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Label printers  
for industrial operation

**SQUIX**  
Made in Germany

Scopes of delivery, designs and technical data correspond to the date of this publication. They are subject to change. Catalogue data do not represent any warranty or guarantee.



See current data on  
[www.cab.de/en/squix](http://www.cab.de/en/squix)

## Key features



**SQUIX** label printers for industrial operation

They find use in various areas of operation.

They have been developed with consistent focus on intuitive usability and highly reliable processing.

Print mechanics and chassis are made of high-quality materials and match perfectly in design and function.

A wide range of peripherals and software enable user-specific solutions.

The rugged printers stand up to any demand, whether operated stand-alone, with a PC or in a network.

Print jobs are performed quickly and labels are provided straight away thanks to a high-speed processor.

- Reliable and quick printing
- Accurate print images
- Easy to operate
- Compact design
- Maximum quality standards

## Sample applications

PCB



Type plates



Cardboard and pallets



# Label printers guiding materials aligned to the left

## Optimum printing in matters of different widths and materials

1.1, 1.2



### Slim ones

for printing small labels

| Label printer    |           | SQUIX 2 |      |
|------------------|-----------|---------|------|
| Print resolution | dpi       | 300     | 600  |
| Print speed      | mm/s max. | 250     | 150  |
| Print width      | mm max.   | 56.9    | 54.1 |

1.3, 1.4



### Universal ones

Best-selling industrial units, providing a wide range of accessories

| Label printers   |           | SQUIX 4.3 |       | SQUIX 4 |       |
|------------------|-----------|-----------|-------|---------|-------|
| Print resolution | dpi       | 203       | 300   | 300     | 600   |
| Print speed      | mm/s max. | 300       | 300   | 300     | 150   |
| Print width      | mm max.   | 104       | 108.4 | 105.7   | 105.7 |

A cutter can be provided integral to a basic unit.

1.5, 1.6



### Wide ones

for printing Odette, UCC and GS1 labels in logistics operations

| Label printer    |           | SQUIX 6.3 |       |
|------------------|-----------|-----------|-------|
| Print resolution | dpi       | 203       | 300   |
| Print speed      | mm/s max. | 250       | 250   |
| Print width      | mm max.   | 168       | 162.6 |

1.7, 1.8



### Extra wide ones

for printing pallet and drum labels

| Label printer    |           | SQUIX 8.3 |  |
|------------------|-----------|-----------|--|
| Print resolution | dpi       | 300       |  |
| Print speed      | mm/s max. | 150       |  |
| Print width      | mm max.   | 216       |  |



### Basic units

provide a tear-off plate  
Printed labels or continuous materials, wound on a roll or fanfold, can be torn off on a jagged plate. Cutting a material is another option, so is external rewinding.



### Peel-off units

provide an internal rewinder  
Dispense adds to the features of a basic unit. Printed labels are peeled off their liner and can be removed by hand or by an applicator.

# Label printers guiding materials aligned to the left



*SQUIX 4 P peel-off printer  
providing an internal rewinder*

## 1 Hinged cover

Material stock can be checked and printer processes be followed through a large panoramic window.

## 2 Plungers

One is fixed next to the chassis inside. The other can be aligned to the outside margin of a label for optimum print images.

## 3 Metal chassis

It is the base to assemble components. Made of cast aluminum

## 4 Print roller coating

Synthetic rubber is standard, enabling highly accurate print images. Silicone is an option if aiming for extra long life cycles.

## 5 Label dispense

Labels are separated on a peel-off plate from their liner. A powered guide roller and a pinch roller enable highly accurate processes when printing and applying labels.

## 6 Peripheral port

Additional modules can be plugged easily and quickly to a unit and fixed with a screw.

## 7 Ribbon retainer

Replacing a ribbon is no big deal thanks to three-part clamping axles.

## 8 Roll retainer

The spring-mounted margin stop provides a screw cap and enables constant tension while materials are fed.

## 9 Internal rewinder

Labels or liners with or without a cardboard core can be wound on peel-off units. Handling a material is simplified by a three-part clamping axle.

## 10 Rocker

Spring mounting and guide rollers made of Teflon reduce traction and improve the accuracy of print images.

## 11 Material guide

It is assembled to the rocker. By turning the rotary knob, the stop can be aligned to the margin of a label.

## Print image accuracy

The smaller a label, the higher are the demands. Print offset can be reduced by  $\pm 0.2$  mm using slip correction.



# SQUIX linerless label printers

1.9, 1.10



SQUIX 4.3 L



SQUIX 6.3 L

## 60 percent more labels per roll

compared to self-adhesive labels providing a liner

No disposal of liner materials

Variable label sizes by programmable material-saving function

Labels are automatically cut following the final print line and an offset.

Entirely compatible with standard SQUIX label printers in terms of functionality and dimensions

| Label printer    |           | SQUIX 4.3 L | SQUIX 6.3 L |
|------------------|-----------|-------------|-------------|
| Print resolution | dpi       | 203         | 300         |
| Print speed      | mm/s max. | 250         | 250         |
| Print width      | mm max.   | 104         | 162.6       |

## Differences to the basic and peel-off label printers guiding materials aligned to the left

### 1 Print head pressing system

Direct thermal printing requires less pressure exerted to a print head, resulting in a longer life cycle of the latter.

### 2 Print head 4.3 / 6.3

Durable and suited best for linerless materials

### 3 DRL print roller

Specifically designed for linerless materials

### 4 Cutter

It is included upon delivery. An additional demand sensor monitors the removal of cut labels.

Hardened and titanium-coated blades ensure a long service life. Their surfaces resist to adhesive.

### Material sensor

It detects a material and whether it is running out on the printer.



SQUIX 4.3 L label printer



See further information on  
[www.cab.de/en/linerless](http://www.cab.de/en/linerless)

# Retrofit kit for SQUIX standard printers

1.19



**Both basic printers and peel-off printers can be retrofit for linerless materials.**

A kit consists of  
**a cover plate** above the transport assembly,  
**a guide plate** next to the print roller,  
**a protective tube** above the internal rewinder,  
**a cutter**,  
**a linerless print roller.**

## Continuous linerless materials

### RL540 linerless

**Packaging of all kinds in industry and logistics;  
 2 mm adhesive-free area along margins**

### P98 linerless

**Packaging of all kinds in industry and logistics;  
 full-area adhesive**

**All materials are free from bisphenols  
 and suit for use in food business.**



| Material                   | RL540 linerless             | P98 linerless                 |
|----------------------------|-----------------------------|-------------------------------|
| Type                       | Direct thermal paper, white | Direct thermal paper, white   |
| Thickness                  | approx. 94 µm               | approx. 94 µm                 |
| Adhesive                   | self-adhesive acrylic       | self-adhesive acrylic         |
| Food recommendation        | not specified               | BfR XIV or FDA 21 CFR 175.105 |
| Application temperature    | from 5°C                    | from 5°C                      |
| Service temperature        | -10°C - 100°C               | -20°C - 80°C                  |
| Shelf life                 | 12 months                   | 24 months                     |
| - Temperature              | 23°C ± 5°C                  | 20°C ± 5°C                    |
| - humidity, not condensing | 50 % ± 10 %                 | 45 % ± 5 %                    |
| Application                | indoor                      | indoor                        |
| Print speed mm/s max.      | 200                         | 250                           |
| Material length m          | 280                         | 300                           |
| Roll diameter mm           | 205                         | 205                           |
| Core diameter mm           | 76                          | 76                            |
| Winding                    | outside                     | outside                       |

| Designation                                          | Item no.       | Material |          | Minimum order per roll | PU1               | PU2            | PU3*              |
|------------------------------------------------------|----------------|----------|----------|------------------------|-------------------|----------------|-------------------|
|                                                      |                | Width mm | Length m |                        | Rolls / cardboard | Rolls / pallet | Rolls / container |
| RL540 continuous linerless material / 58 mm x 280 m  | <b>5780200</b> | 58       | 280      | 12                     | 6                 | 294            | -                 |
| RL540 continuous linerless material / 80 mm x 280 m  | <b>5780201</b> | 80       | 280      | 8                      | 4                 | 196            | -                 |
| RL540 continuous linerless material / 105 mm x 280 m | <b>5780202</b> | 105      | 280      | 8                      | 4                 | 144            | -                 |
| RL540 continuous linerless material / 148 mm x 280 m | <b>5780203</b> | 148      | 280      | 8                      | 4                 | 112            | -                 |
| P98 continuous linerless material / 60 mm x 300 m    | <b>5780220</b> | 60       | 300      | 8                      | 4                 | 120            | 192               |
| P98 continuous linerless material / 80 mm x 300 m    | <b>5780221</b> | 80       | 300      | 8                      | 4                 | 120            | 180               |
| P98 continuous linerless material / 100 mm x 300 m   | <b>5780222</b> | 100      | 300      | 8                      | 4                 | 96             | 120               |
| P98 continuous linerless material / 148 mm x 300 m   | <b>5780223</b> | 148      | 300      | 8                      | 4                 | 80             | 90                |

Further widths upon request

PU1: rolls in cardboard boxes

PU2: rolls in cardboard boxes on pallets

PU3: rolls on containers (pallets, no cardboard)

\* Item no. added by .130

# Label printers guiding materials in centered position

1.11, 1.12



Basic unit



Peel-off unit

## The precise and flexible ones

All materials that are wound on rolls or reels can be printed, so can fanfold ones. Very small labels or slim continuous materials such as pressed tubes are typical applications.

A specified sensor allows round or oval hoses as high as 5 mm be labeled.

| Label printer    |           | SQUIX 4.3 M  |       | SQUIX 4 M  |       |
|------------------|-----------|--------------|-------|------------|-------|
|                  |           | SQUIX 4.3 MP |       | SQUIX 4 MP |       |
| Print resolution | dpi       | 203          | 300   | 300        | 600   |
| Print speed      | mm/s max. | 300          | 300   | 300        | 150   |
| Print width      | mm max.   | 104          | 108.4 | 105.7      | 105.7 |

## Differences to label printers guiding materials aligned to the left

### 1 Ribbon retainer

A ruler helps ribbons be set.

### 2 Plungers

Both have been assembled firmly for all widths of material. There is no need of aligning the print head.

### 3 Roll retainer

By applying the margin stop, rolls are automatically centered.

### 4 Material guide

Its position next to the print roller supports print images be accurate. Widths are set with the help of a spindle.

### 5 Slim print rollers

If small materials and ribbons are in use, adapted print rollers are required to achieve accurate print results. They prevent rollers from wear, print heads from contamination and avoid errors while materials are fed.

Synthetic rubber coating



SQUIX 4 MP peel-off printer  
providing an internal rewinder





# Label printers guiding materials in centered position and providing a separator

1.14



Basic unit

## For textile operations

If operations require high heating, a ribbon may stick with the textile tape after printing. A draw roller separates the ribbon reliably from a material.

Labels and continuous materials wound on rolls or reels may be as well printed.

Plungers do not have to be aligned for setting the width of a label. Adapted print rollers are provided for slim materials.

| Label printers   |           | SQUIX 4.3 MT | SQUIX 4 MT |       |
|------------------|-----------|--------------|------------|-------|
| Print resolution | dpi       | 300          | 300        | 600   |
| Print speed      | mm/s max. | 300          | 300        | 150   |
| Print width      | mm max.   | 108.4        | 105.7      | 105.7 |

## Differences to other label printers guiding materials in centered position

### 1 Antistatic brush

It dissipates electrostatic charge after printing, in particular if synthetic materials are in use.

### 2 Separator

If operations require high heating, a ribbon may stick with the textile tape after printing. A draw roller separates the ribbon reliably from a material.



SQUIX 4 MT label printer  
providing a separator built in

# SQUIX UHF RFID label printers

Basic and peel-off units guiding materials aligned to the left or in centered position



See further information on  
[www.cab.de/en/squix-rfid](http://www.cab.de/en/squix-rfid)

## SQUIX

SQUIX 4 M label printer providing  
an integral UHF RFID module

SQUIX cab label printers providing integral UHF RFID options offer highest industrial reliability in the writing and printing of RFID labels.

There are three UHF RFID modules to select from. Each has been optimized for a specific class of RFID labels: standard RFID tags, on metal RFID tags and mini RFID tags

UHF RFID options already qualify for a wide range of RFID labels. In addition, cab assists in customer-specific solutions.

Extensive peripherals and the excellent programmability of cab label printers with UHF RFID option enable practical solutions.

cab next to RFID technology also supports the latest communication interfaces such as OPC UA and WebDAV for integrating a printer to complex logistics systems.

● typical ○ possible □ option

|                           |                  | 1.3, 1.4            |       |         |       | 1.5, 1.6   |       | 1.7, 1.8   | 1.11, 1.12  |       |           |       |
|---------------------------|------------------|---------------------|-------|---------|-------|------------|-------|------------|-------------|-------|-----------|-------|
| RFID label printer        | Type             | SQUIX 4.3           |       | SQUIX 4 |       | SQUIX 6.3* |       | SQUIX 8.3* | SQUIX 4.3 M |       | SQUIX 4 M |       |
| Guidance of materials     |                  | aligned to the left |       |         |       |            |       |            | centered    |       |           |       |
| Print method              | Thermal transfer | ●                   | ●     | ●       | ●     | ●          | ●     | ●          | ●           | ●     | ●         | ●     |
|                           | Direct thermal   | ●                   | ●     | ○       | –     | ●          | ●     | ●          | ●           | ●     | ○         | –     |
| Print resolution          | dpi              | 203                 | 300   | 300     | 600   | 203        | 300   | 300        | 203         | 300   | 300       | 600   |
| Print speed               | mm/s max.        | 300                 | 300   | 300     | 150   | 250        | 250   | 150        | 300         | 300   | 300       | 150   |
| Print width               | mm max.          | 104                 | 108.4 | 105.7   | 105.7 | 168        | 162.6 | 216        | 104         | 108.4 | 105.7     | 105.7 |
| UHF RFID modules          |                  |                     |       |         |       |            |       |            |             |       |           |       |
| UHF RFID OM 4 module      |                  | □                   | □     | □       | □     | –          | –     | –          | □           | □     | □         | □     |
| UHF RFID RS 4 module      |                  | □                   | □     | □       | □     | –          | –     | –          | □           | □     | □         | □     |
| UHF RFID HS 4 module      |                  | □                   | □     | □       | □     | –          | –     | –          | □           | □     | □         | □     |
| UHF RFID OM / RS 4 module |                  | □                   | □     | □       | □     | –          | –     | –          | □           | □     | □         | □     |
| UHF RFID RS 6 module      |                  | –                   | –     | –       | –     | □          | □     | –          | –           | –     | –         | –     |
| UHF RFID HS 6 module      |                  | –                   | –     | –       | –     | □          | □     | –          | –           | –     | –         | –     |
| UHF RFID RS 8 module      |                  | –                   | –     | –       | –     | –          | –     | □          | –           | –     | –         | –     |
| UHF RFID HS 8 module      |                  | –                   | –     | –       | –     | –          | –     | □          | –           | –     | –         | –     |

\*in planning

## UHF RFID modules with read / write antennas

Modules are assembled inside a chassis, antennas directly to a print head or a feeding unit. Data of RFID tags are read or written just before the printing of a label. In the event of errors, labels are indicated invalid.

### Read / write antennas

#### On a print head

1. **OM – On Metal** preferred if labels are applied onto metal surfaces

#### On a feeding unit

2. **RS – Regular Sensitivity** is a standard with all common RFID labels
3. **HS – High Sensitivity** if RFID labels have specific radiation characteristics

#### On a print head and on a feeding unit

4. **OM and RS** – Each antenna can read / write labels one by one.

### RFID features

#### RFID tag calibration

Optimum read / write performance is identified for RFID tags. Characteristic curves can be printed using the status feature.

#### Tag data read on-the-fly

Memories (TID, EPC, User Memory) can be read **on-the-fly** on a printer and displayed by the GUI.

## Technical data

### UHF RFID module:

RFID standard: UHF EPC Class 1 Gen 2  
Interface specification: ISO/IEC 18000-63

### Read antenna frequencies:

ETSI & FCC

### Further features:

Statistics  
Maximum number of read / write errors  
Label invalid (Void Label)  
Memory banks blocked

### Programming:

JScrip  
ZPL2

### Label software:

cablabel S3

in preparation:

Codesoft  
Software Spectrum  
Nicelabel  
Bartender



## Antenna samples

### identitytag

Wet Inlay  
53 mm x 53 mm



**Tag antenna:** Smartrac FROG 3D

**Tag IC:** Impinj Monza 4D

**Read / write antenna:** cab RS

### identitytag

SmartLabel  
100 mm x 150 mm



**Tag antenna:** Smartrac DogBone

**Tag IC:** Impinj Monza R6

**Read / write antenna:** cab RS

### identitytag

Smart Label  
54 mm x 25 mm



**Tag antenna:** On Metal

**Tag IC:** NXP UCODE 7XM

**Read / write antenna:** cab OM

### Confidex

Automotive Carrier Pro  
92 mm x 24 mm



**Tag antenna:** M4QT

**Tag IC:** Impinj Monza 4QT/4G

**Read / write antenna:** cab RS

### Confidex

Casey  
92 mm x 24 mm



**Tag antenna:** MR6-P

**Tag IC:** Impinj Monza R6-P

**Read / write antenna:** cab RS

### Confidex

Automotive Kanban  
80 mm x 208 mm



**Tag antenna:** M4E

**Tag IC:** Impinj Monza 4E

**Read / write antenna:** cab RS

### Avery Dennison

BJ 269 WET WHITE  
93 mm x 22 mm



**Tag antenna:** AD-663U7xm

**Tag IC:** NXP UCODE 7xm

**Read / write antenna:** cab RS

### Avery Dennison

BR800 WET WHITE  
93 mm x 22 mm



**Tag antenna:** AD-665u8

**Tag IC:** NXP UCODE 8

**Read / write antenna:** cab RS

### Avery Dennison

BU117 WET WHITE  
25 mm x 18 mm



**Tag antenna:** AD-151iM

**Tag IC:** NXP G2iM

**Read / write antenna:** cab HS

### Omni-ID

IQ400 P  
94 mm x 24 mm



**Tag antenna:** Alien ALN-9610

**Tag IC:** Alien Higgs 3

**Read / write antenna:** cab RS

### Omni-ID

IQ150 EU  
54 mm x 12 mm



**Tag IC:** Impinj Monza R6

**Read / write antenna:** cab OM

### Omni-ID

IQ600 EU  
94 mm x 24 mm



**Tag IC:** Impinj Monza R6

**Read / write antenna:** cab OM

## Control panel

**Self-explanatory symbols simplify settings and enable printers be operated intuitive and easily.**

- 1 **LED:** Power ON
- 2 **Status bar:** receive data, record data stream, prior warning to a ribbon ending, SD memory card / USB stick plugged, WLAN, Ethernet, USB slave, time
- 3 **Printer status:** ready, pause, number of labels printed in a print job, label peeled off, awaiting external start signal
- 4 **USB port** for plugging a service key or a memory stick, to transfer data to the IFFS memory
- 5 **Operation**
  - Cutter / perforation cutter  
External rewinder  
Applicator  
Tear-off mode / peel-off mode  
Tear-off mode
  - Jump to menu
  - Stop and delete all print jobs
  - Reprint
  - Label feed
  - Suspend and continue a print job



Setup



Print parameters



Print position Y



Print speed



Video tutorials

## External control panel

If the control panel of a printer cannot be accessed, an additional external one can be plugged.

Same functionality as on a printer

Landscape mode or portrait mode

Operability as targeted, either on an external panel or on a printer

USB 2.0 Hi-Speed device for plugging a printer

- 1 **LED:** Power ON
- 2 **USB port** for plugging a service key or a memory stick, to transfer data to the IFFS memory
- 3 cab provides specified **USB cables** for power supply. Lengths are 1.8 m to 16 m





## Print heads

2.1



**A print head can be replaced by any other one, provided they are of equal width.**

**They are detected by the CPU and calibrated.**

Major data such as operational performances, maximum operational temperatures and heating are kept in memory by the print head. The data can be read at the premise.

**Print heads provided for SQUIX 2, SQUIX 4 - 300, 600 dpi**

sharp-edged print images

small fonts, graphics on typeplates

printing on materials that imply high energy needs

**Print heads provided for SQUIX 4.3, SQUIX 6.3 - 203, 300 dpi**

**Print heads provided for SQUIX 8.3 - 300 dpi**

durable, printing in harsh environments, direct thermal printing

## Print rollers

2.2, 2.7



**DR print rollers**

Synthetic rubber coating

highly accurate print images

standard

**DRS print rollers**

Silicone coating

extra long life cycles,

accepting higher tolerances in print image accuracy

## Interfaces



❶ Port for plugging a **SD memory card**

❷ **2 USB hosts** for plugging a service key, an USB stick, a keyboard, barcode scanner, an USB WLAN stick, external control panel

❸ **USB 2.0 Hi-Speed device** for plugging a PC

❹ **Ethernet 10/100 Mbit/s**

❺ **RS232-C** 1,200 to 230,400 baud / 8 bit

Option

❻ **Digital I/O interface**

Printing is triggered via a PLC, a sensor or a hand switch. Status reports and errors are displayed.

Compliant to IEC/EN 61131-2, type 1+3

The inputs and outputs are galvanically isolated and protect from reverse polarity.

The outputs are also short-circuit-proof.

**PNP inputs**

Start printing / applying label

Print first label

Reprint

Delete print job

Label removed

Stop printing / applying label

Pause

Reset

**PNP, NPN outputs**

Unit ready

Print data available

Initial / upper end position

Paper feed ON

Label peeled off

Label apply / lower end position

Ribbon ending

Collective error



# Technical data

## Label printers guiding materials aligned to the left

● typical ○ possible ■ standard □ option

|                                                                        |                                        | 1.1, 1.2                  |                                                                                                                                 | 1.3, 1.4  |                                                                    |            |        | 1.5, 1.6        |            | 1.7, 1.8        |        |  |
|------------------------------------------------------------------------|----------------------------------------|---------------------------|---------------------------------------------------------------------------------------------------------------------------------|-----------|--------------------------------------------------------------------|------------|--------|-----------------|------------|-----------------|--------|--|
| Type                                                                   |                                        | SQUIX 2                   |                                                                                                                                 | SQUIX 4.3 |                                                                    | SQUIX 4    |        | SQUIX 6.3       |            | SQUIX 8.3       |        |  |
| Print method                                                           | Thermal transfer                       | ●                         | ●                                                                                                                               | ●         | ●                                                                  | ●          | ●      | ●               | ●          | ●               | ●      |  |
|                                                                        | Direct thermal                         | ○                         | –                                                                                                                               | ●         | ●                                                                  | ○          | –      | ●               | ●          | ●               | ●      |  |
| Print resolution                                                       | dpi                                    | 300                       | 600                                                                                                                             | 203       | 300                                                                | 300        | 600    | 203             | 300        | 300             | 300    |  |
| Print speed                                                            | mm/s max.                              | 250                       | 150                                                                                                                             | 300       | 300                                                                | 300        | 150    | 250             | 250        | 150             | 150    |  |
| Print width                                                            | mm max.                                | 56.9                      | 54.1                                                                                                                            | 104       | 108.4                                                              | 105.7      | 105.7  | 168             | 162.6      | 216             | 216    |  |
| Print length                                                           | mm max.                                | 12,000                    | 3,000                                                                                                                           | 13,500    | 6,000                                                              | 6,000      | 1,500  | 9,000           | 4,000      | 3,000           | 3,000  |  |
| Initial print                                                          | Distance to locating edge              | mm                        | 2                                                                                                                               | 2.8       | 1.2                                                                | 2          | 2      | 0.5             | 3.2        | 2               | 2      |  |
| UHF-RFID                                                               |                                        |                           |                                                                                                                                 |           |                                                                    |            |        |                 |            |                 |        |  |
| UHF-RFID Modul                                                         |                                        | –                         |                                                                                                                                 | □         |                                                                    | □          |        | □               |            | □               |        |  |
| Material <sup>1)</sup>                                                 |                                        |                           |                                                                                                                                 |           |                                                                    |            |        |                 |            |                 |        |  |
| Paper, cardboard, synthetics PET, PE, PP, PI, PVC, PU, acrylate, Tyvec |                                        | ●                         |                                                                                                                                 | ●         |                                                                    | ●          |        | ●               |            | ●               |        |  |
| RFID labels according to separate specification                        |                                        | –                         |                                                                                                                                 | ●         |                                                                    | ●          |        | ○               |            | ○               |        |  |
| Shrink tube                                                            | ready for use                          | –                         |                                                                                                                                 | ○         |                                                                    | ○          |        | –               |            | –               |        |  |
|                                                                        | continuous, pressed                    | ○                         |                                                                                                                                 | ○         |                                                                    | ○          |        | –               |            | –               |        |  |
| Textile tape                                                           |                                        | ○                         |                                                                                                                                 | ○         |                                                                    | ○          |        | –               |            | –               |        |  |
| Finishing                                                              | Roll, fanfold                          | ●                         |                                                                                                                                 | ●         |                                                                    | ●          |        | ●               |            | ●               |        |  |
|                                                                        | Roll diameter                          | mm max.                   | 205                                                                                                                             |           |                                                                    |            |        |                 |            |                 |        |  |
|                                                                        | Core diameter                          | mm                        | 38.1 - 76                                                                                                                       |           |                                                                    |            |        |                 |            |                 |        |  |
|                                                                        | Winding                                |                           | outside or inside                                                                                                               |           |                                                                    |            |        |                 |            |                 |        |  |
| Label                                                                  | Width                                  | mm                        | 4 - 63                                                                                                                          |           | 20 - 116                                                           |            |        | 46 - 176        |            | 46 - 220        |        |  |
|                                                                        | Height no label backfeed <sup>2)</sup> | mm at least               | 4                                                                                                                               |           | 4                                                                  |            |        | 6               |            | 25              |        |  |
|                                                                        | label backfeed <sup>2)</sup>           | mm at least               | 4                                                                                                                               |           | 6                                                                  |            |        | 12              |            | 25              |        |  |
|                                                                        | label backfeed, peel-off               | mm at least               | 6                                                                                                                               |           | 6                                                                  |            |        | 12              |            | 25              |        |  |
|                                                                        | Thickness                              | mm                        | 0.03 - 0.6                                                                                                                      |           |                                                                    | 0.03 - 0.6 |        |                 | 0.05 - 0.6 |                 |        |  |
| Liner                                                                  | Width                                  | mm                        | 24 - 67                                                                                                                         |           | 24 - 120                                                           |            |        | 50 - 180        |            | 50 - 235        |        |  |
|                                                                        | Thickness                              | mm                        | 0.03 - 0.16                                                                                                                     |           |                                                                    |            |        |                 |            |                 |        |  |
| Continuous                                                             | Width                                  | mm                        | 24 - 67                                                                                                                         |           | 24 - 120                                                           |            |        | 50 - 180        |            | 50 - 235        |        |  |
|                                                                        | Thickness                              | mm                        | 0.03 - 0.5                                                                                                                      |           | 0.03 - 0.5                                                         |            |        | 0.03 - 0.5      |            |                 |        |  |
|                                                                        | Weight (cardboard)                     | g/m² max.                 | 300                                                                                                                             |           | 300                                                                |            |        | 300             |            |                 |        |  |
| Shrink tube                                                            | Width ready for use                    | mm max.                   | –                                                                                                                               |           | 120                                                                |            |        | –               |            | –               |        |  |
|                                                                        | continuous, pressed                    | mm                        | 24 - 67                                                                                                                         |           | 24 - 85                                                            |            |        | –               |            | –               |        |  |
|                                                                        | Thickness                              | mm max.                   | 1.1                                                                                                                             |           | 1.1                                                                |            |        | –               |            | –               |        |  |
| Ribbon <sup>3)</sup>                                                   | Color layer                            |                           | outside or inside                                                                                                               |           |                                                                    |            |        |                 |            |                 |        |  |
|                                                                        | Roll diameter                          | mm max.                   | 80                                                                                                                              |           |                                                                    |            |        |                 |            |                 |        |  |
|                                                                        | Core diameter                          | mm                        | 25.4                                                                                                                            |           |                                                                    |            |        |                 |            |                 |        |  |
|                                                                        | Length                                 | m max.                    | 600                                                                                                                             |           |                                                                    |            |        |                 |            |                 | 360    |  |
|                                                                        | Width                                  | mm                        | 25 - 67                                                                                                                         |           | 25 - 114                                                           |            |        | 50 - 170        |            | 220             |        |  |
| Internal rewinder provided on peel-off units                           |                                        |                           |                                                                                                                                 |           |                                                                    |            |        |                 |            |                 |        |  |
| Outside diameter                                                       |                                        | mm max.                   | 142                                                                                                                             |           |                                                                    |            |        |                 |            |                 |        |  |
| Core diameter                                                          |                                        | mm                        | 40                                                                                                                              |           |                                                                    |            |        |                 |            |                 |        |  |
| Winding                                                                |                                        |                           | outside                                                                                                                         |           |                                                                    |            |        |                 |            |                 |        |  |
| Printer dimensions, weights                                            |                                        |                           |                                                                                                                                 |           |                                                                    |            |        |                 |            |                 |        |  |
| Width x Height x Depth                                                 |                                        | mm                        | 200 x 288 x 460                                                                                                                 |           | 252 x 288 x 460                                                    |            |        | 312 x 288 x 460 |            | 352 x 288 x 460 |        |  |
| Weight                                                                 |                                        | kg                        | 9                                                                                                                               |           | 10                                                                 |            |        | 14              |            | 15              |        |  |
| Label sensors, position indicators                                     |                                        |                           |                                                                                                                                 |           |                                                                    |            |        |                 |            |                 |        |  |
| Transmissive sensor                                                    |                                        | detecting                 | labels, punch marks, materials ending, print marks on translucent materials                                                     |           |                                                                    |            |        |                 |            |                 |        |  |
| Reflective sensor                                                      |                                        | from below or top         | detecting                                                                                                                       |           | labels, materials ending, print marks on non-translucent materials |            |        |                 |            |                 |        |  |
| Sensor distance                                                        |                                        | to locating edge          | aligned to the left                                                                                                             | mm        | 5 - 26                                                             |            | 5 - 60 |                 | 5 - 60     |                 | 5 - 60 |  |
| Material passage                                                       |                                        | mm max.                   | 2 (5 are an option)                                                                                                             |           |                                                                    |            |        |                 |            |                 |        |  |
| Interfaces                                                             |                                        |                           |                                                                                                                                 |           |                                                                    |            |        |                 |            |                 |        |  |
| RS232-C 1,200 to 230,400 baud / 8 bit                                  |                                        |                           | ■                                                                                                                               |           |                                                                    |            |        |                 |            |                 |        |  |
| USB 2.0 Hi-Speed device for plugging a PC                              |                                        |                           | ■                                                                                                                               |           |                                                                    |            |        |                 |            |                 |        |  |
| Ethernet 10/100 Mbit/s                                                 |                                        |                           | IPv4 / IPv6<br>static IP / DHCP · IEEE 802.1X                                                                                   |           |                                                                    |            |        |                 |            |                 |        |  |
| 2 USB hosts on the control panel,<br>2 USB hosts on the back of a unit |                                        |                           | Service key, USB stick, USB WLAN stick, USB WLAN stick with a rod antenna,<br>keyboard, barcode scanner, external control panel |           |                                                                    |            |        |                 |            |                 |        |  |
| USB host, 24 VDC, for peripheral plugging                              |                                        |                           | ■                                                                                                                               |           |                                                                    |            |        |                 |            |                 |        |  |
| Digital I/O interface providing 8 inputs and 8 outputs                 |                                        |                           | □                                                                                                                               |           |                                                                    |            |        |                 |            |                 |        |  |
| Operating data                                                         |                                        |                           |                                                                                                                                 |           |                                                                    |            |        |                 |            |                 |        |  |
| Voltage                                                                |                                        |                           | 100 - 240 VAC, 50/60 Hz, PFC                                                                                                    |           |                                                                    |            |        |                 |            |                 |        |  |
| Power consumption                                                      |                                        |                           | <10 W in standby / 100 W in typical operation / max. 200 W                                                                      |           |                                                                    |            |        |                 |            |                 |        |  |
| Temperature / humidity                                                 | Operation                              |                           | +5 - 40°C / 10 - 85 %, not condensing                                                                                           |           |                                                                    |            |        |                 |            |                 |        |  |
|                                                                        | Stock                                  |                           | 0 - 60°C / 20 - 85 %, not condensing                                                                                            |           |                                                                    |            |        |                 |            |                 |        |  |
|                                                                        | Transport                              |                           | –25 - 60°C / 20 - 85 %, not condensing                                                                                          |           |                                                                    |            |        |                 |            |                 |        |  |
| Approvals                                                              |                                        |                           | CE, UKCA, FCC Class A, ICES-3, cULus, CB, CCC, BIS, BSMI, KC-Mark, Mexico Reg.<br>→ BIS, KC-Mark not provided for SQUIX 8.3     |           |                                                                    |            |        |                 |            |                 |        |  |
| Control panel                                                          |                                        |                           |                                                                                                                                 |           |                                                                    |            |        |                 |            |                 |        |  |
| Color LCD touchscreen                                                  |                                        | Diagonal                  | "                                                                                                                               |           | 4.3                                                                |            |        |                 |            |                 |        |  |
|                                                                        |                                        | Resolution Width x Height | px                                                                                                                              |           | 272 x 480                                                          |            |        |                 |            |                 |        |  |

<sup>1)</sup> Specifications are standards. Operations including small, slim, thick or stiff materials need testing, so do strongly adhesive labels.

<sup>2)</sup> if labels are torn off, cut, rewound

<sup>3)</sup> A ribbon should be at least as wide as the liner material.

# Technical data

## Label printers guiding materials in centered position

● typical ○ possible ■ standard □ option

|                                                                        |                                        |                      | 1.11, 1.12                                                                                                                                  |       |           |       | 1.14              |           |
|------------------------------------------------------------------------|----------------------------------------|----------------------|---------------------------------------------------------------------------------------------------------------------------------------------|-------|-----------|-------|-------------------|-----------|
| Type                                                                   |                                        |                      | SQUIX 4.3 M                                                                                                                                 |       | SQUIX 4 M |       | SQUIX4.3 MT       | SQUIX4 MT |
| Print method                                                           | Thermal transfer                       |                      | ●                                                                                                                                           | ●     | ●         | ●     | ●                 | ●         |
|                                                                        | Direct thermal                         |                      | ●                                                                                                                                           | ●     | ○         | –     | ●                 | ○         |
| Print resolution                                                       |                                        | dpi                  | 203                                                                                                                                         | 300   | 300       | 600   | 300               | 300       |
| Print speed                                                            |                                        | mm/s max.            | 300                                                                                                                                         | 300   | 300       | 150   | 300               | 300       |
| Print width                                                            |                                        | mm max.              | 104                                                                                                                                         | 108.4 | 105.7     | 105.7 | 108.4             | 105.7     |
| Print length                                                           |                                        | mm max.              | 13,500                                                                                                                                      | 6,000 | 6,000     | 1,500 | 6,000             | 6,000     |
| Initial print                                                          | Distance to locating edge              | mm                   | centered                                                                                                                                    |       |           |       |                   |           |
| UHF-RFID                                                               |                                        |                      |                                                                                                                                             |       |           |       |                   |           |
| UHF-RFID Modul                                                         |                                        |                      | □                                                                                                                                           |       | □         |       | –                 | –         |
| Material <sup>1)</sup>                                                 |                                        |                      |                                                                                                                                             |       |           |       |                   |           |
| Paper, cardboard, synthetics PET, PE, PP, PI, PVC, PU, acrylate, Tyvec |                                        |                      |                                                                                                                                             |       |           |       | ●                 |           |
| RFID labels according to separate specification                        |                                        |                      | ●                                                                                                                                           |       | ●         |       | –                 | –         |
| Shrink tube                                                            | ready for use                          |                      |                                                                                                                                             | ●     |           |       | ○                 |           |
|                                                                        | continuous, pressed                    |                      |                                                                                                                                             | ●     |           |       | ○                 |           |
| Textile tape                                                           |                                        |                      |                                                                                                                                             | ○     |           |       | ●                 |           |
| Finishing                                                              | Roll, fanfold                          |                      |                                                                                                                                             | ●     |           |       | ●                 |           |
|                                                                        | Roll diameter                          | mm max.              |                                                                                                                                             |       |           |       | 205               |           |
|                                                                        | Core diameter                          | mm                   |                                                                                                                                             |       |           |       | 38.1 - 76         |           |
|                                                                        | Winding                                |                      |                                                                                                                                             |       |           |       | outside or inside |           |
| Label                                                                  | Width                                  | mm                   | 4 - 110                                                                                                                                     |       |           |       | 4 - 110           |           |
|                                                                        | Height no label backfeed <sup>2)</sup> | mm at least          | 3                                                                                                                                           |       |           |       | 4                 |           |
|                                                                        | label backfeed <sup>2)</sup>           | mm at least          | 4                                                                                                                                           |       |           |       | 6                 |           |
|                                                                        | label backfeed, peel-off               | mm at least          | 6                                                                                                                                           |       |           |       | –                 |           |
|                                                                        | Thickness                              | mm                   |                                                                                                                                             |       |           |       | 0.03 - 0.6        |           |
| Liner                                                                  | Width                                  | mm                   | 9 - 114                                                                                                                                     |       |           |       | 9 - 114           |           |
|                                                                        | Thickness                              | mm                   |                                                                                                                                             |       |           |       | 0.03 - 0.16       |           |
| Continuous                                                             | Width                                  | mm                   | 9 - 114                                                                                                                                     |       |           |       | 9 - 114           |           |
|                                                                        | Thickness                              | mm                   | 0.03 - 0.5                                                                                                                                  |       |           |       | 0.03 - 0.5        |           |
| Shrink tube                                                            | Weight (cardboard)                     | g/m² max.            | 300                                                                                                                                         |       |           |       | 300               |           |
|                                                                        | Width ready for use                    | mm max.              | 114                                                                                                                                         |       |           |       | 114               |           |
|                                                                        | continuous, pressed                    | mm                   | 4 - 85                                                                                                                                      |       |           |       | 4 - 85            |           |
|                                                                        | Thickness                              | mm max.              | 1.1                                                                                                                                         |       |           |       | 1.1               |           |
| Hose                                                                   | continuous, round or oval              | max. height mm       | 5                                                                                                                                           |       |           |       | –                 |           |
| Ribbon <sup>3)</sup>                                                   | Color layer                            |                      |                                                                                                                                             |       |           |       | outside or inside |           |
|                                                                        | Roll diameter                          | mm max.              |                                                                                                                                             |       |           |       | 80                |           |
|                                                                        | Core diameter                          | mm                   |                                                                                                                                             |       |           |       | 25.4              |           |
|                                                                        | Length                                 | m max.               |                                                                                                                                             |       |           |       | 600               |           |
|                                                                        | Width                                  | mm                   |                                                                                                                                             |       |           |       | 25 - 114          |           |
| Internal rewinder provided on peel-off units                           |                                        |                      |                                                                                                                                             |       |           |       |                   |           |
| Outside diameter                                                       |                                        | mm max.              | 142                                                                                                                                         |       |           |       | –                 |           |
| Core diameter                                                          |                                        | mm                   | 40                                                                                                                                          |       |           |       | –                 |           |
| Winding                                                                |                                        |                      | außen                                                                                                                                       |       |           |       | –                 |           |
| Printer dimensions, weights                                            |                                        |                      |                                                                                                                                             |       |           |       |                   |           |
| Width x Height x Depth                                                 |                                        | mm                   | 252 x 288 x 460                                                                                                                             |       |           |       | 252 x 288 x 460   |           |
| Weight                                                                 |                                        | kg                   | 10                                                                                                                                          |       |           |       | 10                |           |
| Label sensors, position indicators                                     |                                        |                      |                                                                                                                                             |       |           |       |                   |           |
| Transmissive sensor                                                    |                                        | detecting            | labels, punch marks, materials ending, print marks on translucent materials                                                                 |       |           |       |                   |           |
| Reflective sensor                                                      | from below or top                      | detecting            | labels, materials ending, print marks on non-translucent materials                                                                          |       |           |       |                   |           |
| Sensor distance                                                        | to locating edge                       | centered position mm | 0 - 55                                                                                                                                      |       |           |       |                   |           |
| Material passage                                                       |                                        | mm max.              | 2 (5 are an option)                                                                                                                         |       |           |       |                   |           |
| Interfaces                                                             |                                        |                      |                                                                                                                                             |       |           |       |                   |           |
| RS232-C 1,200 to 230,400 baud / 8 bit                                  |                                        |                      | ■                                                                                                                                           |       |           |       |                   |           |
| USB 2.0 Hi-Speed device for plugging a PC                              |                                        |                      | ■                                                                                                                                           |       |           |       |                   |           |
| Ethernet 10/100 Mbit/s                                                 |                                        |                      | LPD, RawIP printing, SOAP web service, OPC UA, WebDAV                                                                                       |       |           |       |                   |           |
| IPv4 and IPv6                                                          |                                        |                      | DHCP, HTTP/HTTPS, FTP/FTPS, TIME, NTP, Zeroconf, SNMP, SMTP, VNC                                                                            |       |           |       |                   |           |
| 2 USB hosts on the control panel, 2 USB hosts on the back of a unit    |                                        |                      | Service key, USB stick, USB WLAN stick, USB WLAN stick with a rod antenna, keyboard, barcode scanner, external control panel (on back only) |       |           |       |                   |           |
| USB host, 24 VDC, for peripheral plugging                              |                                        |                      | ■                                                                                                                                           |       |           |       |                   |           |
| Digital I/O interface providing 8 inputs and 8 outputs                 |                                        |                      | □                                                                                                                                           |       |           |       |                   |           |
| Operating data                                                         |                                        |                      |                                                                                                                                             |       |           |       |                   |           |
| Voltage                                                                |                                        |                      | 100 - 240 VAC, 50/60 Hz, PFC                                                                                                                |       |           |       |                   |           |
| Consumption of power                                                   |                                        |                      | <10 W in standby / 100 W in typical operation / max. 200 W                                                                                  |       |           |       |                   |           |
| Temperature / humidity                                                 | Operation                              |                      | +5 - 40°C / 10 - 85 %, not condensing                                                                                                       |       |           |       |                   |           |
|                                                                        | Stock                                  |                      | 0 - 60°C / 20 - 85 %, not condensing                                                                                                        |       |           |       |                   |           |
|                                                                        | Transport                              |                      | –25 - 60°C / 20 - 85 %, not condensing                                                                                                      |       |           |       |                   |           |
| Approvals                                                              |                                        |                      | CE, UKCA, FCC Class A, ICES-3, cULus, CB, CCC, BIS, BSMI, KC-Mark, Mexico Reg.                                                              |       |           |       |                   |           |
| Control panel                                                          |                                        |                      |                                                                                                                                             |       |           |       |                   |           |
| Color LCD touchscreen                                                  | Diagonal                               | "                    | 4.3                                                                                                                                         |       |           |       |                   |           |
|                                                                        | Resolution Width x Height              | px                   | 272 x 480                                                                                                                                   |       |           |       |                   |           |

<sup>1)</sup> Specifications are standards. Operations including small, slim, thick or stiff materials need testing, so do strongly adhesive labels.

<sup>2)</sup> if labels are torn off, cut, rewound

<sup>3)</sup> A ribbon should be at least as wide as the liner material.

# Technical data

■ standard □ option

| Electronics                                                    |                                                                                                                                                                                                                                                                                            |                                                                                                                                                            |
|----------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Processor, 32 bit clock rate                                   | MHz                                                                                                                                                                                                                                                                                        | 800                                                                                                                                                        |
| RAM                                                            | MB                                                                                                                                                                                                                                                                                         | 256                                                                                                                                                        |
| IFFS                                                           | MB                                                                                                                                                                                                                                                                                         | 50                                                                                                                                                         |
| Port for plugging a SD memory card (SDHC, SDXC)                | GB max.                                                                                                                                                                                                                                                                                    | 512                                                                                                                                                        |
| Battery for indicating time and date, real-time clock          |                                                                                                                                                                                                                                                                                            | ■                                                                                                                                                          |
| Data kept in memory (e.g. serial numbers) when power turns off |                                                                                                                                                                                                                                                                                            | ■                                                                                                                                                          |
| Setup options                                                  |                                                                                                                                                                                                                                                                                            |                                                                                                                                                            |
|                                                                | Print Labels<br>Ribbon<br>Tear off<br>Peal off<br>Cut<br>Apply<br>Interfaces<br>Error                                                                                                                                                                                                      | Region:<br>- Language<br>- Country<br>- Keyboard<br>- Time zone<br>Time<br>Display:<br>- Brightness<br>- Power saving mode<br>- Orientation<br>Interpreter |
| Status bar                                                     |                                                                                                                                                                                                                                                                                            |                                                                                                                                                            |
|                                                                | Receive data<br>Record data stream<br>Prior warning to a ribbon ending<br>SD memory card plugged<br>USB stick plugged                                                                                                                                                                      | WLAN<br>Ethernet<br>USB slave<br>Time                                                                                                                      |
| Controls                                                       |                                                                                                                                                                                                                                                                                            |                                                                                                                                                            |
|                                                                | Ribbon winding<br>Prior warning to a ribbon ending<br>Ribbon ending<br><br>Running out of material                                                                                                                                                                                         | Print head voltage<br>Print head temperature<br>Print head open<br><br>Pinch roller open (peel-off unit, separator)<br><br>Peripheral error                |
| Test routines                                                  |                                                                                                                                                                                                                                                                                            |                                                                                                                                                            |
| System diagnostics                                             | upon startup, detection of print head included                                                                                                                                                                                                                                             |                                                                                                                                                            |
| Information display, test printout, analysis                   | Status printout<br>Fonts list<br>List of units<br>WLAN status                                                                                                                                                                                                                              | Test grid<br>Label profile<br>List of events<br>Monitor mode                                                                                               |
| Status reports                                                 | - Printout of print durations, running hours, etc.<br>- Status of a unit requested by software command<br>- Display of errors related to a network, barcode or peripheral device, as well as links missing                                                                                 |                                                                                                                                                            |
| Fonts                                                          |                                                                                                                                                                                                                                                                                            |                                                                                                                                                            |
| Integral                                                       | 5 bitmap fonts:<br>12 x 12 dots<br>16 x 16 dots<br>16 x 32 dots<br>OCR-A<br>OCR-B                                                                                                                                                                                                          | 7 vector fonts:<br>AR Heiti Medium GB-Mono<br>CG Triumvirate Cond. Bold<br>Garuda<br>HanWangHeiLight<br>Monospace 821<br>Swiss 721<br>Swiss 721 Bold       |
| For storing                                                    | TrueType fonts                                                                                                                                                                                                                                                                             |                                                                                                                                                            |
| Sets of characters                                             | Windows-1250 to -1257<br>DOS 437, 737, 775, 850, 852, 857, 862, 864, 866, 869<br>EBCDIC 500<br>ISO 8859-1 to -10 and -13 to -16<br>WinOEM 720<br>UTF-8<br>MacRoman<br>DEC MCS<br>KOI8-R<br><br>Western European<br>Eastern European<br>Chinese, simplified<br>Chinese, traditional<br>Thai |                                                                                                                                                            |
| Bitmap                                                         | 1 mm to 3 mm wide and high<br>Zoom factors 2 to 10<br>0°, 90°, 180°, 270° orientations                                                                                                                                                                                                     |                                                                                                                                                            |
| Vector / TrueType                                              | 0.9 mm to 128 mm wide and high<br>Continuous zoom<br>360° orientation in steps of 1°                                                                                                                                                                                                       |                                                                                                                                                            |
| Styles                                                         | bold, italic, underlined, outline, inverse<br>- depending on the font type                                                                                                                                                                                                                 |                                                                                                                                                            |
| Character spacing                                              | proportional or monospace                                                                                                                                                                                                                                                                  |                                                                                                                                                            |

| Graphics                                   |                                                                                                                                                                                                                                                                                                                      |                                                                                                                                           |
|--------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| Elements                                   | lines, arrows, rectangles, circles, ellipses<br>- filled and gradient                                                                                                                                                                                                                                                |                                                                                                                                           |
| Formats                                    | PCX, IMG, BMP, TIF, MAC, GIF, PNG                                                                                                                                                                                                                                                                                    |                                                                                                                                           |
| Codes                                      |                                                                                                                                                                                                                                                                                                                      |                                                                                                                                           |
| 1D barcodes (linear)                       | Code 39, Code 93<br>Code 39 Full ASCII<br>Code 128 A, B, C<br>EAN 8, 13<br>EAN/UCC 128 / GS1-128<br>EAN/UPC Appendix 2<br>EAN/UPC Appendix 5<br>FIM<br>HIBC                                                                                                                                                          | Interleaved 2/5<br>Ident and routing code of Deutsche Post<br>Codabar<br>JAN 8, 13<br>MSI<br>Plessey<br>Postnet<br>RSS 14<br>UPC A, E, E0 |
| 2D codes, stacked codes                    | DataMatrix<br>DataMatrix Rectangle Extension<br>QR code<br>Micro QR code<br>rMQR code<br>GS1 QR code<br>GS1 DataMatrix<br>GS1 Digital Link (QR and DataMatrix)<br>PDF 417<br>Micro PDF 417<br>UPS MaxiCode<br>GS1 DataBar<br>Aztec<br>Codablock F<br>Dotcode<br>RSS 14 truncated, limited, stacked, omni-directional |                                                                                                                                           |
|                                            | All codes may vary in height, modular width and ratio.<br>0°, 90°, 180°, 270° orientations                                                                                                                                                                                                                           |                                                                                                                                           |
|                                            | Feasibility of check digits, plain text printouts and start/stop coding depends on the type of code.                                                                                                                                                                                                                 |                                                                                                                                           |
| Software                                   |                                                                                                                                                                                                                                                                                                                      |                                                                                                                                           |
| Label software                             | cablabel S3 Lite<br>cablabel S3 Viewer<br>cablabel S3 Pro<br>cablabel S3 Print                                                                                                                                                                                                                                       | ■<br>■<br>□<br>□                                                                                                                          |
| Running also with                          | CODESOFT<br>Software Spectrum<br>NiceLabel<br>BarTender                                                                                                                                                                                                                                                              |                                                                                                                                           |
| Stand-alone operation                      |                                                                                                                                                                                                                                                                                                                      | ■                                                                                                                                         |
| Windows printer drivers certified WHQL for | Windows 10<br>Windows 11                                                                                                                                                                                                                                                                                             | Server 2016<br>Server 2019<br>Server 2022<br>Server 2025<br>■                                                                             |
| Apple printer drivers                      | Mac OS X 10.6 or any later release                                                                                                                                                                                                                                                                                   |                                                                                                                                           |
| Linux printer drivers                      | CUPS 1.2 or any later release                                                                                                                                                                                                                                                                                        |                                                                                                                                           |
| Programming                                | JScript printer language<br>abc Basic Compiler<br>ZPL II (Datastream be tested in advance)                                                                                                                                                                                                                           | ■<br>■<br>□                                                                                                                               |
| Integration                                | SAP<br>Database Connector                                                                                                                                                                                                                                                                                            | ■<br>■                                                                                                                                    |
| Administration                             | Printer control<br>Configuration on the Intranet and Internet                                                                                                                                                                                                                                                        | ■<br>■                                                                                                                                    |

Free and Open Source software in cab products:  
[www.cab.de/opensource](http://www.cab.de/opensource)

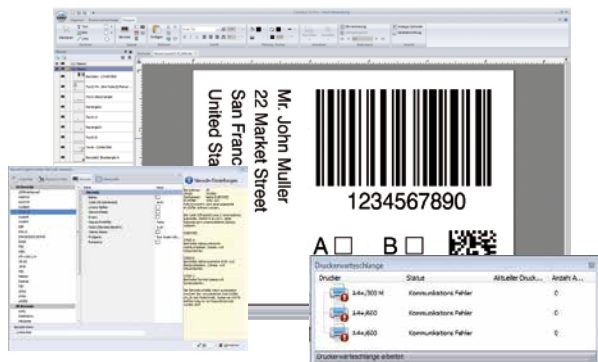
# Printer control and administration

## Label software



### **cablabel S3**

It opens up the full potential of cab devices. Modular design allows adaptation in steps to individual demands. See further information on [www.cab.de/en/cablabel](http://www.cab.de/en/cablabel)



## Stand-alone operation

This operating mode enables a printer select and print labels while not connected to a host system. Labels can be designed using software such as cablabel S3 or a text editor on a PC. Label formats, texts, graphics and data of a database can be stored on external memory media or a printer's internal IFFS memory. Variable data are sent via a keyboard, a barcode scanner, a weighing system or any other host to a printer, and / or recalled from a host using the Database Connector and printed.



## Printer drivers



cab provides drivers to control a printer with software other than cablabel S3. Free download on [www.cab.de/en/support](http://www.cab.de/en/support)

## Programming



### **JScript**

cab has developed the embedded JScript programming language to control a printer. Manual on [www.cab.de/en/programming](http://www.cab.de/en/programming)



### **abc Basic Compiler**

Integral to a firmware, it in addition to JScript enables advanced programming before data are edited for printing. For example, external printer languages can be replaced without intervening in a printing process in progress. Data may be imported as well from other systems such as scales, barcode scanners or PLC.

## Connecting to SAP®

Labels can be printed from SAP<sup>1)</sup> on cab devices and systems. There are various methods:

- Printing with SAPscript
- Printing with SmartForms
- Printing with Adobe Interactive Forms

See instructions on [www.cab.de/en/sap](http://www.cab.de/en/sap)

## Database



### **Database Connector**

Printers in a network may access data from a ODBC / OLEDB database and print it on labels. Data can be rewritten to a database while print jobs are in progress.

<sup>1)</sup> SAP and associated logos are trademarks or registered trademarks of SAP SE.

<sup>2)</sup> SQUIX only

## Network integration

| Protocol / service              | Feature / possibilities                                                                                                |
|---------------------------------|------------------------------------------------------------------------------------------------------------------------|
| <b>RawIP</b>                    | Direct print job submission via TCP (configurable port, 9100 default); easy integration with spoolers and host systems |
| <b>LPD / LPR</b>                | Classic Unix / Windows print queue service for submitting and checking print job status                                |
| <b>FTP / FTPS</b>               | Automatic print job transfer and execution, as well as access to memory (labels, images, fonts, firmware updates)      |
| <b>HTTP / HTTPS</b>             | Web-based configuration, status monitoring, firmware updates                                                           |
| <b>WebDAV</b>                   | Inclusion of central WebDAV server directories (containing stored print data) using the integral WebDAV client         |
| <b>SOAP web service</b>         | API for printer control and status queries via a standardized WSDL description                                         |
| <b>SNMP v2</b>                  | Monitoring via standard printer MIB OIDs and traps for events (paper ending, error, maintenance)                       |
| <b>SMTP</b>                     | Emails as notification on events (errors, maintenance, status)                                                         |
| <b>PJL</b>                      | Printer Job Language: status and control commands within a print data stream                                           |
| <b>OPC-UA / OPC-UA DI</b>       | Industrial API for printer control and monitoring, device information companion specification included                 |
| <b>SOTI Connect<sup>2</sup></b> | Cloud-based, thus centralized management of printer fleets                                                             |
| <b>VPSX (LRS)</b>               | Integration with LRS VPSX output management for enterprise-wide print spooling                                         |
| <b>VNC</b>                      | Remote access to a printer's operation panel for viewing and controlling per network                                   |
| <b>Avahi / mDNS / Zeroconf</b>  | Automatic service discovery (Bonjour-compatible) for driverless detection in a local network                           |



# Overview of accessories / options

● typical ○ possible ■ standard □ option

| Pos.                                      |                                                             | Basic unit | Peel-off unit | 1.1, 1.2 | 1.3, 1.4             | 1.5, 1.6  | 1.7, 1.8  | 1.11, 1.12               | 1.14                       |
|-------------------------------------------|-------------------------------------------------------------|------------|---------------|----------|----------------------|-----------|-----------|--------------------------|----------------------------|
|                                           |                                                             |            |               | SQUIX 2  | SQUIX 4.3<br>SQUIX 4 | SQUIX 6.3 | SQUIX 8.3 | SQUIX 4.3 M<br>SQUIX 4 M | SQUIX 4.3 MT<br>SQUIX 4 MT |
| 2.6                                       | DR4-M30, -M60, -M80 print rollers                           | ●          | ●             | -        | -                    | -         | -         | □                        | □                          |
| 2.7                                       | DRS print roller                                            | ●          | ●             | □        | □                    | □         | □         | □                        | □                          |
| 2.8                                       | External control panel, USB cable                           | ●          | ●             | □        | □                    | □         | □         | □                        | □                          |
| 2.9                                       | Label sensor 4.5                                            | ●          | -             | □        | □                    | □         | □         | □                        | □                          |
| 2.10                                      | Downscale print head pressing system                        | ●          | ●             | □        | □                    | □         | □         | □                        | □                          |
| 2.11                                      | Antistatic brush                                            | ●          | ●             | □        | □                    | □         | □         | □                        | ■                          |
| 2.12                                      | Adapter 100                                                 | ●          | ●             | □        | □                    | □         | □         | □                        | □                          |
| 2.13                                      | SD memory card                                              | ●          | ●             | □        | □                    | □         | □         | □                        | □                          |
| 2.14                                      | USB stick                                                   | ●          | ●             | □        | □                    | □         | □         | □                        | □                          |
| 2.15                                      | USB WLAN stick                                              | ●          | ●             | □        | □                    | □         | □         | □                        | □                          |
| 2.16                                      | USB WLAN stick with a rod antenna                           | ●          | ●             | □        | □                    | □         | □         | □                        | □                          |
| <b>UHF-RFID</b>                           |                                                             |            |               |          |                      |           |           |                          |                            |
| 1.13                                      | UHF RFID module                                             | ●          | ●             | -        | □                    | □         | □         | □                        | -                          |
| <b>Peeling off</b>                        |                                                             |            |               |          |                      |           |           |                          |                            |
| 2.18                                      | PS800 present sensor                                        | -          | ●             | □        | □                    | □         | □         | -                        | -                          |
| 2.19                                      | PS900 present sensor                                        | -          | ●             | □        | □                    | □         | □         | □                        | -                          |
| 2.20                                      | PS1000 MP present sensor                                    | -          | ●             | -        | -                    | -         | -         | □                        | -                          |
| 2.21                                      | Extended DP210, DP410, DP610 peel-off plates                | -          | ●             | □        | □                    | □         | -         | □                        | -                          |
| 2.22                                      | Reflective product sensor                                   | -          | ●             | □        | □                    | □         | □         | □                        | -                          |
| <b>Interfaces, switches</b>               |                                                             |            |               |          |                      |           |           |                          |                            |
| 3.1                                       | Digital I/O interface                                       | ●          | ●             | □        | □                    | □         | □         | □                        | □                          |
| 3.2                                       | I/O interface plug, SUB-D, 25 pins                          | ●          | ●             | □        | □                    | □         | □         | □                        | □                          |
| 3.3                                       | Label selection - I/O box                                   | ●          | ●             | □        | □                    | □         | □         | □                        | □                          |
| 3.4                                       | TR2 hand switch                                             | ●          | ●             | □        | □                    | □         | □         | □                        | □                          |
| 3.5                                       | Foot switch                                                 | ●          | ●             | □        | □                    | □         | □         | □                        | □                          |
| <b>Connecting cable</b>                   |                                                             |            |               |          |                      |           |           |                          |                            |
| 4.1                                       | RS232-C cable                                               | ●          | ●             | □        | □                    | □         | □         | □                        | □                          |
| <b>Cutting, perforating</b>               |                                                             |            |               |          |                      |           |           |                          |                            |
| 5.1                                       | CSQ 401 / CSQ 402 cutters                                   | ●          | ○             | -        | ■ or □               | -         | -         | ■ or □                   | -                          |
| 5.2                                       | PSQ 403 / PSQ 410 perforation cutters                       | ●          | ○             | -        | -                    | -         | -         | □                        | -                          |
| 5.3                                       | CU200, CU400, CU600, CU800 cutters                          | ●          | ○             | □        | □                    | □         | □         | □                        | □                          |
| 5.4                                       | PCU400/2,5, PCU400/10 perforation cutters                   | ●          | ○             | -        | □                    | -         | -         | □                        | □                          |
| <b>Stacking, verifying</b>                |                                                             |            |               |          |                      |           |           |                          |                            |
| 5.5                                       | ST400 M stacker providing a cutter and a base frame         | ●          | ○             | -        | -                    | -         | -         | □                        | □                          |
| 5.6                                       | CC200-SQ scanner                                            | ●          | ●             | □        | □                    | □         | □         | □                        | -                          |
| <b>Rewinding, unwinding</b>               |                                                             |            |               |          |                      |           |           |                          |                            |
| 6.1                                       | RG200, RG400 guide plates                                   | -          | ●             | □        | □                    | -         | -         | □                        | -                          |
| 6.2                                       | External ER1/210, ER2/210 <sup>1)</sup> , ER3/210 rewinders | ●          | ○             | -        | □                    | □         | □         | ○                        | -                          |
| 6.3                                       | External ER4/300, ER6/300 rewinders                         | ●          | ○             | -        | □                    | □         | -         | ○                        | -                          |
| 6.4                                       | External EU4/300, EU6/300 unwinders                         | ●          | ○             | -        | □                    | □         | -         | □                        | □                          |
| 6.5                                       | Kit to adapt a rewinder or an unwinder                      | ●          | ○             | -        | □                    | □         | □         | □                        | □                          |
| <b>Tube labeling</b>                      |                                                             |            |               |          |                      |           |           |                          |                            |
| 7.1                                       | AXON 2 tube applicator                                      | -          | ●             | -        | -                    | -         | -         | □                        | -                          |
| <b>Wrap-around labeling</b>               |                                                             |            |               |          |                      |           |           |                          |                            |
| 7.2                                       | WICON wrap-around applicator                                | -          | ●             | -        | -                    | -         | -         | □                        | -                          |
| <b>Applicators, demand modules</b>        |                                                             |            |               |          |                      |           |           |                          |                            |
| 7.3                                       | SQ 1000-220, -300, -400, -520 applicators                   | -          | ●             | □        | □                    | □         | -         | □                        | -                          |
| 7.9                                       | SQ 3200 applicator                                          | -          | ●             | □        | □                    | -         | -         | □                        | -                          |
| 7.12                                      | S5104, S5104M, S5106 demand modules                         | -          | ●             | -        | □                    | □         | -         | □                        | -                          |
| <b>Assembly assistants</b>                |                                                             |            |               |          |                      |           |           |                          |                            |
| 8.1                                       | Assembly plate                                              | -          | ●             | □        | □                    | □         | -         | □                        | -                          |
| 8.2                                       | Profiles 40 mm, 80 mm, 120 mm                               | -          | ●             | □        | □                    | □         | -         | □                        | -                          |
| 8.3                                       | Base plate 500 mm x 255 mm                                  | -          | ●             | □        | □                    | □         | -         | □                        | -                          |
| 8.4                                       | Base plate with XY stop and product sensor                  | -          | ●             | □        | □                    | □         | -         | □                        | -                          |
| 8.5                                       | Floor stand                                                 | -          | ●             | □        | □                    | □         | -         | □                        | -                          |
| 8.6                                       | Jig for retaining a printer unit                            | -          | ●             | □        | □                    | □         | -         | □                        | -                          |
| <b>Special covers, protective chassis</b> |                                                             |            |               |          |                      |           |           |                          |                            |
| 9.1                                       | ESD surface                                                 | ●          | ●             | □        | □                    | □         | -         | □                        | □                          |
| 9.2                                       | Food applications                                           | ●          | ●             | -        | □                    | □         | -         | □                        | □                          |
| 9.3                                       | Stainless steel chassis for food applications               | ●          | ●             | -        | □                    | □         | -         | □                        | -                          |

<sup>1)</sup> designed for the A+ printer series, adapted to SQUIX; supplied until external rewinders ER20x will be available

# Accessories

|      |                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                        |      |                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|------|-------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2.6  |    | <b>DR4-M30 print roller</b><br>Liner and continuous materials as wide as 30 mm<br><b>DR4-M60 print roller</b><br>Liner and continuous materials as wide as 60 mm<br><b>DR4-M80 print roller</b><br>Liner and continuous materials as wide as 80 mm<br><br>Synthetic rubber coating enables highly accurate print images.                                                                                                               | 2.18 |     | <b>PS800 present sensor</b><br>for use with materials guided aligned to the left<br><br>Labels are detected in peel-off position. As soon as a label has been removed, the next one is automatically printed.<br><br>The minimum width of a label in use is 16 mm, its minimum height 6 mm.<br>Distant 7 mm to the locating edge                                                                                                                                                      |
| 2.7  |    | <b>DRS4 print roller</b><br>Materials as wide as 120 mm<br><br>Silicone coating enables extra long life cycles, accepting higher tolerances in print image accuracy.                                                                                                                                                                                                                                                                   | 2.19 |    | <b>PS900 present sensor</b><br>for use with materials guided aligned to the left or in centered position<br><br>The moveable sensor qualifies for small or customized labels. As soon as a label has been removed, the next one is automatically printed.<br><br>The minimum width of a label in use is 4 mm, its minimum height 6 mm.<br>If materials are in use aligned to the left, they must be 12 cm to 60 mm distant to the locating edge. Materials in centered position: ibid |
| 2.8  |   | <b>External control panel</b><br>If the control panel of a printer cannot be accessed, an additional external one can be plugged.<br><br>Same functionality as on a printer<br>Landscape mode or portrait mode<br><br>Operability as targeted, either on an external panel or on a printer<br><br>USB 2.0 Hi-Speed device for plugging a printer cab provides specified <b>USB cables</b> for power supply. Lengths are 1.8 m to 16 m. | 2.20 |    | <b>PS1000 MP present sensor</b><br>for use with materials guided in centered position<br><br>Labels are detected in peel-off position. As soon as a label has been removed, the next one is automatically printed.<br><br>The minimum width of a label in use is 4 mm, its minimum height 6 mm. Centered position                                                                                                                                                                     |
| 2.9  |  | <b>Label sensor 4.5</b><br>Only for operation on a SQUIX 4/4.3 M printer guiding materials in centered position. Maximum material passage 5 mm                                                                                                                                                                                                                                                                                         | 2.21 |  | <b>Extended DP210, DP410, DP610 peel-off plates</b><br>for use with labels that hardly separate due to strong adhesive or thick liner material. Use only if printing has been triggered by the touch of a button on the display or by a control signal. A present sensor cannot be used.                                                                                                                                                                                              |
| 2.10 |  | <b>Downscale print head pressing system</b><br>Direct thermal printing requires less pressure exerted to a print head, resulting in a longer life cycle of the latter.                                                                                                                                                                                                                                                                 | 2.22 |   | <b>Reflective product sensor</b><br>Detecting products automatically on a conveyor                                                                                                                                                                                                                                                                                                                                                                                                    |
| 2.11 |  | <b>Antistatic brush</b><br>It dissipates electrostatic charge after printing, in particular if synthetic materials are in use.                                                                                                                                                                                                                                                                                                         | 3.1  |   | <b>Digital I/O interface</b><br>Labeling is triggered via a PLC, a sensor or a hand switch. Status reports and errors are displayed.                                                                                                                                                                                                                                                                                                                                                  |
| 2.12 |  | <b>Adapter 100</b><br>if operating label rolls with a core diameter of 100 mm and outside diameter succeeds 180 mm                                                                                                                                                                                                                                                                                                                     | 3.2  |  | <b>I/O interface plug, SUB-D, 25 pins</b><br>All control signals connect to the I/O interface using clamping screws.                                                                                                                                                                                                                                                                                                                                                                  |
| 2.13 |  | <b>SD memory card</b>                                                                                                                                                                                                                                                                                                                                                                                                                  | 3.3  |   | <b>Label selection - I/O box</b><br>A maximum of 16 labels per box can be selected from a memory card by a superior control unit, such as a PLC. Two boxes may be plugged. Making use of an I/O box, four inputs and four outputs suffice for implementing PLC processes via abc programming.                                                                                                                                                                                         |
| 2.14 |  | <b>USB stick</b>                                                                                                                                                                                                                                                                                                                                                                                                                       | 3.4  |   | <b>TR2 hand switch</b><br>For plugging to a digital I/O interface                                                                                                                                                                                                                                                                                                                                                                                                                     |
| 2.15 |  | <b>USB WLAN stick</b><br>2.4 GHz 802.11b/g/n<br>Hotspot mode or infrastructure mode                                                                                                                                                                                                                                                                                                                                                    | 3.5  |   | <b>Foot switch</b><br>For plugging to a digital I/O interface                                                                                                                                                                                                                                                                                                                                                                                                                         |
| 2.16 |  | <b>USB WLAN stick with a rod antenna</b><br>to extend the range of operation<br>2.4 GHz 802.11b/g/n + 5 GHz 802.11a/n/ac<br>Hotspot mode or infrastructure mode                                                                                                                                                                                                                                                                        | 4.1  |  | <b>RS232-C cable</b><br>9/9 pins, 3 m                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

# Cutting, perforating

5.1



CSQ cutter

5.2



PSQ perforation cutter

**CSQ 401 / CSQ 402 cutters** are provided assembled to a printer ex factory or accessorial on delivery for all SQUIX 4 units.

Paper labels and self-adhesive labels, cardboard and synthetic materials can be cut, so can shrink tubes. By pivoting the cutter, materials can be accessed for removal.

The CSQ 402 provides a more powerful engine and titanium-coating, enabling highly performant cutting even with thick materials such as cardboard and shrink tubes, as well as with self-adhesive materials. The number of cuts performed are kept in memory, allowing wear control.

**PSQ 403/PSQ 410 perforation cutters** are provided for all SQUIX 4M units. Continuous materials such as shrink tubes can be perforated, to simplify separation by hand at a later stage.

The technical design corresponds to CSQ 402.

| Cutter                                |             | CSQ 401                                      | CSQ 402 |                        |         |
|---------------------------------------|-------------|----------------------------------------------|---------|------------------------|---------|
| Perforation cutter                    |             |                                              |         | PSQ 403                | PSQ 410 |
| Operated with                         |             | SQUIX 4.3, SQUIX 4<br>SQUIX 4.3 M, SQUIX 4 M |         | SQUIX 4.3 M, SQUIX 4 M |         |
| Perforation Distance between off-cuts | mm          | -                                            | -       | 2.5                    | 2.5     |
| Width of off-cuts                     | mm          | -                                            | -       | 0.4                    | 0.4     |
| Quantity of off-cuts                  |             | -                                            | -       | 6                      | 10      |
| Material Width                        | mm max.     | 120                                          | 120     | 114                    | 114     |
| Weight (cardboard)                    | gr/m² max.  | 200                                          | 300     | 300                    | 300     |
| Thickness                             | mm          | 0.7                                          | 1.1     | 1.5                    | 1.5     |
| Cutting length                        | mm at least | 10                                           |         |                        |         |
| Material passage                      | mm max.     | 2.0                                          | 2.0     | 2.0                    | 2.0     |
| Performance*                          | cuts/min    | 120                                          | 200     | 200                    | 200     |
| Controls                              |             | no final cutter position, cover off cutter   |         |                        |         |
| Tray                                  |             |                                              |         |                        |         |
| Label height                          | mm max.     | 100                                          |         |                        |         |

\* at use of material 1 mm high, no backfeed

5.3



CU cutter

5.4



PCU perforation cutter

## CU cutters

Paper labels and self-adhesive labels, cardboard, textile and synthetic materials can be cut, so can shrink tubes.

**Tray** for collecting a maximum of approximately 50 labels

## PCU400 perforation cutter

Continuous materials such as textiles or shrink tubes can be perforated, to simplify separation by hand at a later stage.

Cutting a material is as well possible.

| Cutter             |                           |                   | CU200                    |     | CU400                                                                    |     | PCU400 | CU600      | CU800     |
|--------------------|---------------------------|-------------------|--------------------------|-----|--------------------------------------------------------------------------|-----|--------|------------|-----------|
| Perforation cutter |                           |                   |                          |     |                                                                          |     | 2.5 10 |            |           |
| Operated with      |                           |                   | SQUIX 2                  |     | SQUIX 4.3, SQUIX 4<br>SQUIX 4.3 M, SQUIX 4 M<br>SQUIX 4.3 MT, SQUIX 4 MT |     |        | SQUIX 6.3  | SQUIX 8.3 |
| Perforation        | Distance between off-cuts | mm                | -                        | -   | -                                                                        | 2.5 | 10     | -          | -         |
|                    | Width of off-cuts         | mm                | -                        | -   | -                                                                        | 0.5 |        | -          | -         |
| Material           | Width                     | mm max.           | 67                       | 120 | 114                                                                      | 85  |        | 180        | 232       |
|                    | Weight (cardboard)        | gr/m <sup>2</sup> | 60 - 300                 |     |                                                                          |     |        |            |           |
|                    | Thickness                 | mm                | 0.05 - 1.1               |     |                                                                          |     |        | 0.05 - 0.5 |           |
| Cutting length     |                           | mm at least       | 5                        |     |                                                                          |     |        |            |           |
| Material passage   |                           | mm max.           | 2.5                      |     |                                                                          |     |        |            |           |
| Performance*       |                           | cuts/min          | 100                      |     |                                                                          |     |        |            |           |
| Printing stops if  |                           |                   | no final cutter position |     |                                                                          |     |        |            |           |
| Tray               |                           |                   |                          |     |                                                                          |     |        |            |           |
| Label height       |                           | mm max.           | -                        | 100 |                                                                          | -   | -      | -          | -         |

\* at use of material 1 mm high, no backfeed

*The CU400 will be replaced by the CSQ cutter series.*

## Stacking

5.5



### ST400 M stacker providing a cutter

- 1 Printed materials can be cut and then collected.  
Print jobs stop if the maximum number of labels have been collected.  
Limitations may occur with stiff or curved materials.  
cab recommends to have such operations tested.
- 2 A unit can be set anywhere on a table with the help of a base frame.

| Stacker providing a cutter |                    |          | ST400 M                                                                 |
|----------------------------|--------------------|----------|-------------------------------------------------------------------------|
| Operated with              |                    |          | SQUIX 4.3 M, SQUIX 4 M<br>SQUIX 4.3 MT, SQUIX 4 MT                      |
| Material                   | Width              | mm       | 20 - 100                                                                |
|                            | Weight (cardboard) | gr/m²    | 60 - 300                                                                |
|                            | Thickness          | mm       | 0.05 - 0.8                                                              |
| Cutting length             |                    | mm       | 20 - 150                                                                |
| Material passage           |                    | mm max.  | 1.2                                                                     |
| Performance*               |                    | cuts/min | 100                                                                     |
| Printing stops if          |                    |          | no final cutter position, paper jam,<br>cover open, limit of collecting |
| Limit of collecting        |                    | mm max.  | 100                                                                     |

\* at use of material 1 mm high, no backfeed



### Support table - label W x H

The table and the protective cover are adapted to the size of a label. Please request individually.

## Verifying

5.6



### CC200-SQ scanner for detecting linear 1D barcodes, 2D and stacked codes

A camera checks a code printed on a label in horizontal or vertical direction in terms of legibility or content. In the case of a bad coding, printing stops and the label can be removed by hand. Retracting such labels after stopping and blackening them is another printer option.

The scanner can be operated in tear-off mode and in peel-off mode.

| Scanner                    |         | CC200-SQ                                                      |
|----------------------------|---------|---------------------------------------------------------------|
| Operated with              |         | all SQUIX units                                               |
| Scan distance              | mm      | 45 - 150                                                      |
| Scan angle                 | °       | -15 to +15                                                    |
| Number of codes on a label |         | 1                                                             |
| Controls                   | GOODBAD | check of legibility                                           |
|                            | VERIFY  | check of legibility<br>and results compared with initial data |

See [www.cab.de/en/cc200](http://www.cab.de/en/cc200) for more information.

## Rewinding, unwinding with or without the use of a cardboard core

6.1



**RG guide plates** enable labels be rewound internally on peel-off units. A guide plate therefore replaces the peel-off plate.

| Guide plate                                                                       |                                                 | RG200            | RG400                                  |                                          |
|-----------------------------------------------------------------------------------|-------------------------------------------------|------------------|----------------------------------------|------------------------------------------|
|  | Operated with                                   | <b>SQUIX 2 P</b> | <b>SQUIX 4.3 P</b><br><b>SQUIX 4 P</b> | <b>SQUIX 4.3 MP</b><br><b>SQUIX 4 MP</b> |
|                                                                                   | Material width mm max.                          | 67               | 120                                    | 114                                      |
|                                                                                   | Roll diameter mm max.                           | 142              |                                        |                                          |
|                                                                                   | Clamping axle provided for core diameters of mm | 38.1 - 40        |                                        |                                          |
|                                                                                   | Winding                                         | outside          |                                        |                                          |

6.2



**External ER1, ER2, ER3 rewinders** for printer assembly using screws. Label webs wound outside or inside are wound consistently and tight by electronic control, with the help of a pendulum arm.

| External rewriter      | ER1/210                                                                                                | ER2/210          | ER3/210          |
|------------------------|--------------------------------------------------------------------------------------------------------|------------------|------------------|
| Operated with          | <b>SQUIX 2</b><br><b>SQUIX 4.3, SQUIX 4</b><br><b>SQUIX 4.3 M, SQUIX 4 M</b>                           | <b>SQUIX 6.3</b> | <b>SQUIX 8.3</b> |
| Material width mm max. | 120                                                                                                    | 180              | 235              |
| Roll diameter mm max.  | 205                                                                                                    |                  |                  |
| Core diameter mm       | 40 if a winder axle or a cardboard core are in use<br>76 if a cardboard core is in use with an adapter |                  |                  |
| Winding                | outside or inside                                                                                      |                  |                  |

6.3



**External ER4, ER6 rewinders**, power supply built in

Label webs wound outside or inside are wound consistently and tight by electronic control, with the help of a pendulum arm. They operate also with printers other than cab.

| External rewriter      | ER4/300                                                                                                | ER6/300                  |
|------------------------|--------------------------------------------------------------------------------------------------------|--------------------------|
| Operated with          | <b>SQUIX 2</b><br><b>SQUIX 4.3, SQUIX 4</b><br><b>SQUIX 4.3 M, SQUIX 4 M</b>                           | <b>SQUIX 6.3</b>         |
| Material width mm max. | 120                                                                                                    | 180                      |
| Roll diameter mm max.  | 300                                                                                                    |                          |
| Core diameter mm       | 40 if a winder axle or a cardboard core are in use<br>76 if a cardboard core is in use with an adapter |                          |
| Winding                | outside or inside                                                                                      |                          |
| <b>Adapter kit</b>     | <input type="checkbox"/>                                                                               | <input type="checkbox"/> |

6.4



**External EU unwinders**

Even heavy rolls are fed consistently. Label webs wound outside or inside can be operated.

| External unwinder          | EU4/300                            |                                                                                    | EU6/300                  |
|----------------------------|------------------------------------|------------------------------------------------------------------------------------|--------------------------|
| Operated with              | <b>SQUIX 4.3</b><br><b>SQUIX 4</b> | <b>SQUIX 4.3 M</b><br><b>SQUIX 4 M</b><br><b>SQUIX 4.3 MT</b><br><b>SQUIX 4 MT</b> | <b>SQUIX 6.3</b>         |
| Material width mm max.     | 120                                | 114                                                                                | 180                      |
| Roll diameter mm max.      | 300                                |                                                                                    |                          |
| Core diameter mm           | 38.1                               |                                                                                    |                          |
| mm if an adapter is in use | 76                                 |                                                                                    |                          |
| Winding                    | outside or inside                  |                                                                                    |                          |
| <b>Adapter kit</b>         | <input type="checkbox"/>           | <input type="checkbox"/>                                                           | <input type="checkbox"/> |



# Tube labeling



## AXON 2 tube applicator

Tubes and vials of diameters 10 mm to 22 mm can be labeled (7 mm to 16 mm if options are provided). See AXON catalogue

The tubes and vials can be inserted and removed by hand or automated by a handling system. They may be ejected also to a tray.

| Tube applicator |                              | AXON 2                                                    |
|-----------------|------------------------------|-----------------------------------------------------------|
| Operated with   |                              | SQUIX 4.3 MP, SQUIX 4 MP                                  |
| Tube            | Diameter                     | mm                                                        |
|                 | Length, closure cap included | mm                                                        |
|                 | Conicity                     | % max.                                                    |
| Label           | Materials                    | paper, synthetics such as PET, PP                         |
|                 | Width                        | mm                                                        |
|                 | Height                       | mm at least                                               |
| Liner           | Width                        | mm max.                                                   |
|                 |                              |                                                           |
| Controls        |                              | applicator pivoted, tube missing, incorrect tube diameter |

↓

For more information on AXON 2 see [www.cab.de/en/axon2](http://www.cab.de/en/axon2)

↓

For more information on AXON 1 see [www.cab.de/en/axon1](http://www.cab.de/en/axon1)

# Cable labeling



## WICON wrap-around applicator

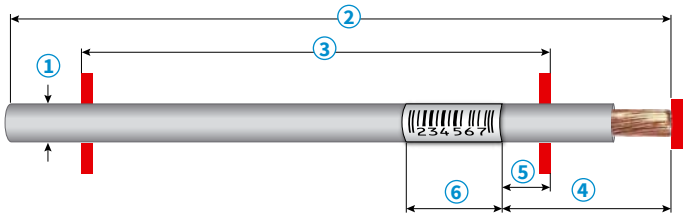
Cylindric items, such as single wires, strands, cables, hoses, tubes or round rods, can be labeled. Transparent laminate covers data blocks and protects them persistently from dust and wear.

| Wrap-around applicator |                                                         | WICON                                                                                                  |
|------------------------|---------------------------------------------------------|--------------------------------------------------------------------------------------------------------|
| Operated with          |                                                         | SQUIX 4 MP                                                                                             |
| ①                      | Item diameter                                           | mm                                                                                                     |
| ②                      | Item length                                             | mm at least                                                                                            |
| ③                      | Centering panel distant from left to right              | mm                                                                                                     |
| ④                      | Item length label margin to stop                        | mm                                                                                                     |
| ⑤                      | Label margin distant to centering panel                 | mm                                                                                                     |
|                        | Deflection related to a length of 124 mm                | mm max.                                                                                                |
| ⑥ Label                | Width                                                   | mm                                                                                                     |
|                        | Height                                                  | mm                                                                                                     |
| Applicator             | Cycle of printing and applying or applying and printing | s                                                                                                      |
|                        | Number of wrap-arounds                                  |                                                                                                        |
|                        | Speed of wrapping around                                | u/sec                                                                                                  |
|                        | Rolling on related to speed of wrapping around          | %                                                                                                      |
| Start                  |                                                         | automatically, as soon as an item has been inserted by hand or via data interface or via I/O interface |

↓

For more information on WICON and labels see [www.cab.de/en/wicon](http://www.cab.de/en/wicon)

① 1.5 mm diameter after sampling and release



# SQ 1000 applicator



## Automatic labeling

SQ 1000 is a further development of the proven S1000 applicator, fully compatible, adding extra functions. Existing applications can continue without limitations. In conjunction with a SQUIX printer, the SQ 1000 is a cost-effective solution for semi-automatic labeling tasks. Labels are applied onto items by means of a stroke cylinder.

## Easy to configure

The applicator can be fully set on the printer control panel, configurations be stored and called up. Automatic calibration features speed up the setup.

## Process control

Detailed statistical values are provided, so are sophisticated error messages. Constant control enables response right away in events of errors.

## Updates

Applicator firmware can be updated on the printer control panel or the printer's web server. New features and specific solutions can therefore be tested right away and distributed in the field.

### 1 Long life cycles

The ball bearing guide bars are low wear.

### 2 Different levels of application

By providing different lengths of stroke for the cylinder, labels can be applied on various heights to an item.

### 3 Compressed air regulation

Micro filters prevent from contamination. Decompression keeps the quality of label applications consistently high.

### 4 Reliable processes

Supporting air, intake air and stroke speeds can all be set. The pressing force can be reduced to less than 10N (1kg) in sensitive operations. Purging the intake ducts subsequent to every label application prevents from contamination.

### 5 A wide range of sizes

Labels 25 mm to 176 mm wide and 25 mm to 200 mm high can be applied.

### 6 Supporting air (Blow tube not included in delivery)

It enables labels be blown onto a pad.

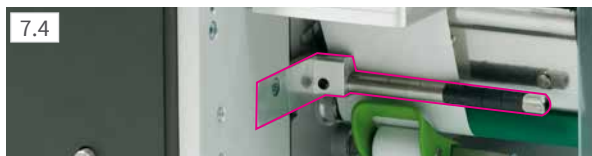
### 7 Pad

Labels are transferred onto a pad and held there by vacuum. A stroke cylinder moves the pad with the labels to an item.

| Applicator                                    |                      | SQ 1000<br>- 220                                                           | SQ 1000<br>- 300 | SQ 1000<br>- 400 | SQ 1000<br>- 520 |
|-----------------------------------------------|----------------------|----------------------------------------------------------------------------|------------------|------------------|------------------|
| Operated with                                 |                      | SQUIX 2 P, SQUIX 4.3 P, SQUIX 4 P<br>SQUIX 4.3 MP, SQUIX 4 MP, SQUIX 6.3 P |                  |                  |                  |
| Cylinder stroke                               | mm                   | 220                                                                        | 300              | 400              | 520              |
| Stroke of a pad as<br>calculated below a unit | mm                   | 64                                                                         | 144              | 244              | 364              |
| Weight packaging excluded                     | kg                   | 4.5                                                                        | 5                | 5.5              | 6.0              |
| Consumption of power                          | W max.               | 15                                                                         |                  |                  |                  |
| Compressed air                                | bar                  | 4.5                                                                        |                  |                  |                  |
| Cycle rate                                    | approx <sup>1)</sup> | 25 labels/min.                                                             |                  |                  |                  |

<sup>1)</sup> calculated at a stroke of 100 mm below a unit,  
using labels 100 mm high and a print speed of 100 mm/s

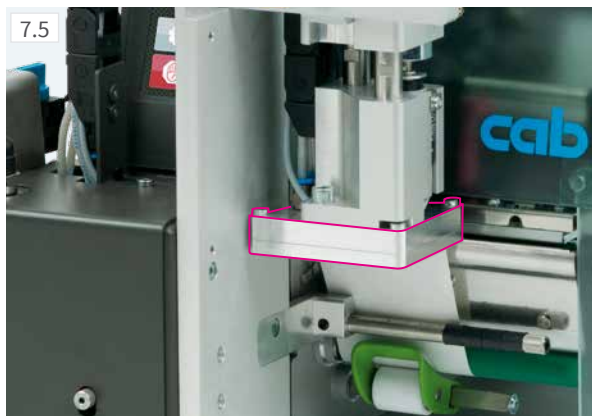
# SQ 1000 applicator accessories



## Blow tube

It supplies supporting air. Labels are blown from below onto a pad, assisting the label transfer.

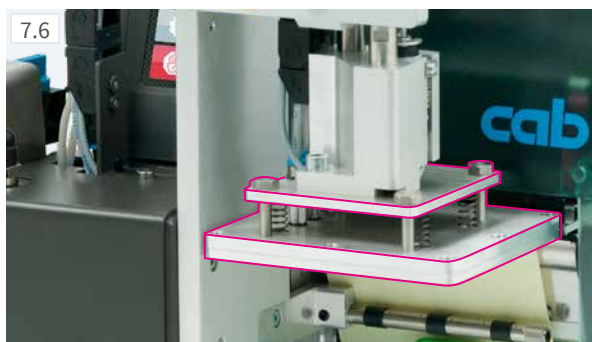
Provided for 2", 4" or 6" label operations



## Tamp-on pads

The intake boreholes of universal tamp-on pads can be adapted to different sizes of labels. Pads may be manufactured custom-made as well.

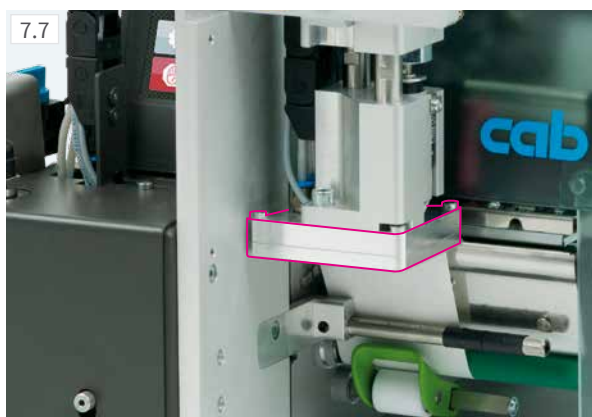
| Tamp-on pad        |               | A1021             |                   |             |  |
|--------------------|---------------|-------------------|-------------------|-------------|--|
| Type               |               | universal 70 x 60 | universal 90 x 90 | custom-made |  |
| Label width<br>mm  | SQUIX 2       | 25 - 63           | -                 | 25 - 63     |  |
|                    | SQUIX 4 / 4.3 | 25 - 70           | 25 - 90           | 25 - 116    |  |
|                    | SQUIX 6.3     | -                 | -                 | 50 - 176    |  |
| Label height<br>mm | SQUIX 2       | 25 - 60           | -                 | 25 - 200    |  |
|                    | SQUIX 4 / 4.3 |                   | 25 - 90           |             |  |
|                    | SQUIX 6.3     | -                 | -                 |             |  |
| Surface of an item |               | flat              |                   |             |  |
| Height of an item  |               | flexible          |                   |             |  |
| State of an item   |               | at rest           |                   |             |  |



## Tamp-on pads, spring-mounted

Pitch of spring enables labels be applied even to inclined surfaces.

| Tamp-on pad,<br>spring-mounted |                      | A1321               |                     |             |
|--------------------------------|----------------------|---------------------|---------------------|-------------|
| Type                           |                      | universal 116 x 102 | universal 116 x 152 | custom-made |
| Label width                    | <b>SQUIX 4 / 4.3</b> | 25 - 116            |                     | 25 - 116    |
| mm                             | <b>SQUIX 6.3</b>     | -                   | -                   | 50 - 176    |
| Label height                   | <b>SQUIX 4 / 4.3</b> | 25 - 102            | 25 - 152            | 25 - 200    |
| mm                             | <b>SQUIX 6.3</b>     | -                   | -                   |             |
| Surface of an item             |                      | flat                |                     |             |
| Height of an item              |                      | flexible            |                     |             |
| State of an item               |                      | at rest             |                     |             |



## Blow-on pads

They suit for blowing labels onto items sensitive to pressure. Custom-made blow-on pads therefore move to a fixed spot about 10 mm above an item.

| Blow-on pad        |               | A2021                |  |
|--------------------|---------------|----------------------|--|
| Type               |               | custom-made          |  |
| Label width mm     | SQUIX 2       | 25 - 63              |  |
|                    | SQUIX 4 / 4.3 | 25 - 116             |  |
|                    | SQUIX 6.3     | on request           |  |
| Label height mm    | SQUIX 2       | 25 - 100             |  |
|                    | SQUIX 4 / 4.3 | on request           |  |
|                    | SQUIX 6.3     | on request           |  |
| Surface of an item |               | flat                 |  |
| Height of an item  |               | fixed                |  |
| State of an item   |               | at rest or in motion |  |



## Roll-on pads

Labels are fed to below a roller subsequent to printing.

The pad moves onto an item.

Labels are carried along by the item and rolled on.

| Roll-on pad        |               | A1411       |  |
|--------------------|---------------|-------------|--|
| Type               |               | custom-made |  |
| Label width mm     | SQUIX 4 / 4.3 | 25 - 116    |  |
|                    | SQUIX 6.3     | 50 - 176    |  |
| Label height mm    | SQUIX 4 / 4.3 | 80 - 200    |  |
|                    | SQUIX 6.3     | 80 - 200    |  |
| Surface of an item |               | flat        |  |
| Height of an item  |               | flexible    |  |
| State of an item   |               | in motion   |  |



# SQ 3200 applicator



## Labels applied in real time

SQ 3200 attached to a SQUIX peel-off printer is economic, whether operated semi-automated or integrated to a manufacture plant.

Printed labels are set 45° to 95° to the horizontal by a rotary cylinder and applied automatically to an item by a short stroke cylinder.

Life cycles, pre-dispense, compressed air regulation, reliable processes and supporting air (**blow tube for supporting air not included in delivery**) correspond to SQ 1000 (see page 24).

| Applicator                       | SQ 3200                                                               |
|----------------------------------|-----------------------------------------------------------------------|
| Operated with                    | <b>SQUIX 2 P, SQUIX 4.3 P, SQUIX 4 P<br/>SQUIX 4.3 MP, SQUIX 4 MP</b> |
| Rotary cylinder                  | 45° - 95°                                                             |
| Stroke cylinder mm max.          | 30                                                                    |
| Depth F mm max.                  | 5                                                                     |
| Weight packaging excluded kg     | 4.5                                                                   |
| Consumption of power W max.      | 15                                                                    |
| Compressed air bar               | 4.5                                                                   |
| Cycle rate approx. <sup>1)</sup> | 20 labels/min.                                                        |

<sup>1)</sup> calculated using labels 40 mm high and a print speed of 100 mm/s

## Tamp-on pads, blow-on pads

They are manufactured according to the size of a label.

| Tamp-on pad                                       | A3200-1100           |                                                            |
|---------------------------------------------------|----------------------|------------------------------------------------------------|
| Operated with                                     | <b>SQUIX 2 P</b>     | <b>SQUIX 4.3 P, SQUIX 4 P<br/>SQUIX 4.3 MP, SQUIX 4 MP</b> |
| Label width mm                                    | 25 - 63              | 10 - 116                                                   |
| Label height mm                                   | 25 - 80              |                                                            |
| Surface of an item                                | flat                 |                                                            |
| State of an item at the moment a label is applied | at rest              |                                                            |
| Blow-on pad                                       | A3200-2100           |                                                            |
| Operated with                                     | <b>SQUIX 2</b>       | <b>SQUIX 4.3, 4</b>                                        |
| Label width mm                                    | 10 - 63              | 10 - 116                                                   |
| Label height mm                                   | 10 - 80              |                                                            |
| Surface of an item                                | flat                 |                                                            |
| State of an item at the moment a label is applied | at rest or in motion |                                                            |

## Demand modules



## S5104, S5104 M, S5106 demand modules

Items can be labeled in motion on a conveyor. A product sensor detects the target position of a label. While a label is peeled off, the next one is printed. The speed of transport has to match with the speed of printing. A reflective sensor monitors positioning.

A label sensor can be included or not.

| Demand module                                           | S5104                                    | S5104 M                            | S5106              |
|---------------------------------------------------------|------------------------------------------|------------------------------------|--------------------|
| Operated with                                           | <b>SQUIX 4.3 P<br/>SQUIX 4 P</b>         | <b>SQUIX 4.3 MP<br/>SQUIX 4 MP</b> | <b>SQUIX 6.3 P</b> |
| Label width mm                                          | 25 - 116                                 | 4 - 110                            | 50 - 176           |
| Label height mm                                         | 25 - 210                                 | 10 - 210                           | 25 - 210           |
| Distance of initial print line to the peel-off plate mm | 336 - 518                                |                                    |                    |
| Surface of an item                                      | flat                                     |                                    |                    |
| Height of an item                                       | fixed                                    |                                    |                    |
| State of an item at the moment a label is applied       | in motion<br>(speed adapted to printing) |                                    |                    |
| Weight packaging excluded kg                            | 2.5                                      | 2.5                                | 3.5                |
| Consumption of power W max.                             | not specified                            |                                    |                    |
| Cycle rate approx. <sup>1)</sup>                        | 60 labels/min.                           |                                    |                    |

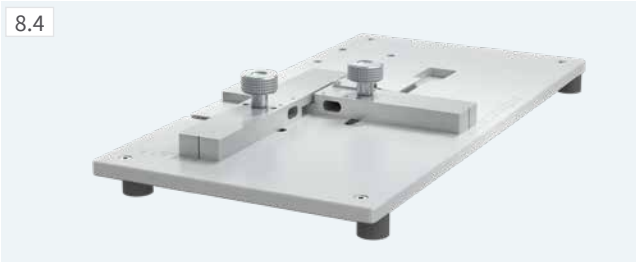
<sup>1)</sup> calculated using labels 100 mm high and a print speed of 100 mm/s

# Assistants for assembling SQUIX label printers



**Mount**  
A label printer system and a jig for retaining an item can be assembled.

- 1 **Assembly plate**  
to assemble a label printer system
- 2 **Profile, aluminum square**  
40, 80, 120, 160, 200, 300 mm
- 3 **Base plate**  
to assemble a jig for retaining an item  
Standard size 500 mm x 255 mm



**Base plate with XY stop and product sensor**  
Standard size 500 mm x 255 mm



**Floor stand**  
It enables a printer system be ready quickly and flexibly in any manufacture plant. Target positions (i.e. heights, widths) to apply a label can be set in few steps. Four guide rollers provide mobility. At the place of operation, the floor stand can be aligned with the help of feet to adjust.

| Floor stand                     |              | 1600            |
|---------------------------------|--------------|-----------------|
| Total height                    | mm           | 1600            |
| Height to apply a label         | mm max.      | 1400            |
| Offset to the centre of a label | mm           | 230 - 500       |
| Carriage                        | W x H x D mm | 600 x 140 x 860 |



**Jig to retain a printer unit**  
A printer can be fixed to the assembly plate and quick-locked.



## Label printers to feature a special cover or a protective chassis

9.1



### **Conductive ESD surface**

provided for SQUIX 2, SQUIX 4, SQUIX 6

Manufactured according to DIN EN 61340-5-1:2016  
to protect from electrostatic charge

The hinged cover, top plate included, is also a spare part.

9.2



### **Food application design**

provided for SQUIX 4, SQUIX 6

By means of a magnetic cover, splints can be detected  
by metal detectors or x-ray inspection systems.

Blue color optically differentiates from food.

The entire casing can be manufactured detectable upon request.

Materials comply with food directives such as  
EU Nr. 10/2011 and FDA CFR 21 177.2600

9.3



### **Stainless steel chassis for food applications**

provided for SQUIX 4, SQUIX 6

Labels are removed through an aperture on the front.

The front cover must be opened and the printer pulled out on telescopic rails  
for material replacement. Steam jet cleaning only if the entire unit is closed.

Protection class IP69K according to EN 60529

## Maintenance



### Label sensors

They can be unlocked by touch and pulled out for cleaning.



### Print heads

They are easy to replace in few steps. In general, no adjustments are required.

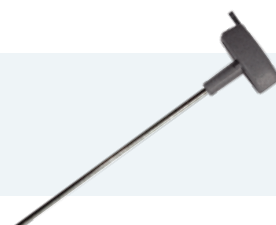


### Print rollers

They are quick and easy to loosen for cleaning or removal using a screw.

### All-purpose tool

It is provided close at hand on a unit for replacing components and assembling periphery.



## Service

Trained cab technicians support worldwide in maintenance and repair.

Send your unit to a cab service point or a selected service partner. Check and repair require just few workdays. Loan units are provided to bridge gaps.

You prefer performance in your company?  
Then contact our Service Department:  
phone **+49 721 6626 300**, email [service.de@cab.de](mailto:service.de@cab.de)

## Trainings

Refresh your know-how of cab devices with regard to efficient operation, service and repair.

In Karlsruhe, training sessions deal with how to operate a unit, design a label, make use of software or printer drivers, program, access a database and integrate in a network or a superior ERP system. Just ask for our current timetable.

**We offer trainings adapted to individual demands, either in Karlsruhe or on site in your company.**



# Delivery program

## Label printers

| Pos.       |                                                                                     | Item no.                                                             | Materials aligned to the left                                                                                                |
|------------|-------------------------------------------------------------------------------------|----------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|
| 1.1        |    | <b>5977030</b><br><b>5977031</b>                                     | SQUIX 2/300 label printer<br>SQUIX 2/600 label printer                                                                       |
| 1.2        |    | <b>5977032</b><br><b>5977033</b>                                     | SQUIX 2/300P label printer<br>SQUIX 2/600P label printer                                                                     |
| 1.3        |    | <b>5977014</b><br><b>5977015</b><br><b>5977001</b><br><b>5977002</b> | SQUIX 4.3/200 label printer<br>SQUIX 4.3/300 label printer<br>SQUIX 4/300 label printer<br>SQUIX 4/600 label printer         |
| 1.4        |    | <b>5977016</b><br><b>5977017</b><br><b>5977004</b><br><b>5977005</b> | SQUIX 4.3/200P label printer<br>SQUIX 4.3/300P label printer<br>SQUIX 4/300P label printer<br>SQUIX 4/600P label printer     |
| 1.5        |    | <b>5977034</b><br><b>5977035</b>                                     | SQUIX 6.3/200 label printer<br>SQUIX 6.3/300 label printer                                                                   |
| 1.6        |    | <b>5977036</b><br><b>5977037</b>                                     | SQUIX 6.3/200P label printer<br>SQUIX 6.3/300P label printer                                                                 |
| 1.7<br>1.8 |   | <b>5977067</b><br><b>5977068</b>                                     | SQUIX 8.3/300 label printer<br>SQUIX 8.3/300P label printer                                                                  |
| Pos.       |                                                                                     | Item no.                                                             | Linerless                                                                                                                    |
| 1.9        |  | <b>5977080</b><br><b>5977081</b>                                     | SQUIX 4.3/200 L label printer<br>SQUIX 4.3/300 L label printer                                                               |
| 1.10       |  | <b>5977082</b><br><b>5977083</b>                                     | SQUIX 6.3/200 L label printer<br>SQUIX 6.3/300 L label printer                                                               |
| Pos.       |                                                                                     | Item no.                                                             | Materials in centered position                                                                                               |
| 1.11       |  | <b>5977018</b><br><b>5977019</b><br><b>5977010</b><br><b>5977011</b> | SQUIX 4.3/200M label printer<br>SQUIX 4.3/300M label printer<br>SQUIX 4/300M label printer<br>SQUIX 4/600M label printer     |
| 1.12       |  | <b>5977022</b><br><b>5977023</b><br><b>5977007</b><br><b>5977008</b> | SQUIX 4.3/200MP label printer<br>SQUIX 4.3/300MP label printer<br>SQUIX 4/300MP label printer<br>SQUIX 4/600MP label printer |
| Pos.       |                                                                                     | Item no.                                                             | Separator provided (textiles)                                                                                                |
| 1.14       |  | <b>5977024</b><br><b>5977012</b><br><b>5977025</b>                   | SQUIX 4.3/300MT label printer<br>SQUIX 4/300MT label printer<br>SQUIX 4/600MT label printer                                  |

## Wear parts for SQUIX linerless

| Pos. |  | Item no.                                 | Linerless cutters                            |
|------|--|------------------------------------------|----------------------------------------------|
| 1.17 |  | <b>5984573.001</b><br><b>5978541.001</b> | CSQL cutter blade<br>CSQL cutter bar         |
| 1.18 |  | <b>5948329.001</b><br><b>5948327.001</b> | CU600L circular blade<br>CU600L linear blade |

## Linerless retrofit kit for SQUIX standard printers

| Pos. |  | Item no.       |                       |
|------|--|----------------|-----------------------|
| 1.19 |  | <b>5987880</b> | Retrofit kit SQUIX 4L |
|      |  | <b>5987885</b> | Retrofit kit SQUIX 6L |

| Pos. |                                                                                   | Item no.                                                                                                                                                                     | UHF RFID module provided                                                                                                                                                                          |
|------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1.13 |  | <b>xxxxxxx.406</b><br><b>xxxxxxx.407</b><br><b>xxxxxxx.408</b><br><b>xxxxxxx.409</b><br><b>xxxxxxx.606</b><br><b>xxxxxxx.608</b><br><b>xxxxxxx.806</b><br><b>xxxxxxx.808</b> | UHF RFID RS 4 module<br>UHF RFID OM 4 module<br>UHF RFID HS 4 module<br>UHF RFID OM / RS 4 module<br>UHF RFID RS 6 module<br>UHF RFID HS 6 module<br>UHF RFID RS 8 module<br>UHF RFID HS 8 module |
| Pos. |                                                                                   | Item no.                                                                                                                                                                     | Options provided                                                                                                                                                                                  |
| 1.15 |  | <b>xxxxxxx.124</b><br><b>xxxxxxx.124</b><br><b>xxxxxxx.124</b>                                                                                                               | ESD surface<br>Label printer SQUIX 2/xxx-ESD<br>Label printer SQUIX 4/xxx-ESD<br>Label printer SQUIX 6/xxx-ESD                                                                                    |
| 1.16 |  | <b>xxxxxxx.122</b><br><b>xxxxxxx.122</b>                                                                                                                                     | Food applications<br>Label printer SQUIX 4/xxx-FOOD<br>Label printer SQUIX 6/xxx-FOOD                                                                                                             |

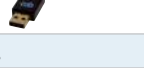
|                                                                                     | Scope of delivery                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                     | Label printer<br>Type E+F power cable, 1.8 m<br>Connecting USB cable, 1.8 m<br>Instructions DE / EN                                                                                                                                                                                                                                                                                                                                               |
|                                                                                     | Available online                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|  | Instructions in 30 languages<br>Configuration manuals DE / EN / FR<br>Service manuals DE / EN<br>Spare parts lists DE / EN<br>Programming manual EN<br>Windows printer drivers certified WHQL for<br>Windows 10 Server 2016<br>Windows 11 Server 2019<br>Server 2022<br>Server 2025<br>Apple Mac OS X printer drivers DE / EN / FR<br>Linux printer drivers DE / EN / FR<br>cablabel S3 Lite software<br>cablabel S3 Viewer<br>Database Connector |
|                                                                                     | <a href="https://setup.cab.de/en">https://setup.cab.de/en</a>                                                                                                                                                                                                                                                                                                                                                                                     |

## Wear parts

| Pos. |                                                                                     | Item no.                                                                                                                                                                                           | Designation                                                                                                                                                                                |
|------|-------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2.1  |  | <b>5977384.001</b><br><b>5977385.001</b><br><b>5977382.001</b><br><b>5977383.001</b><br><b>5977444.001</b><br><b>5987070.001</b><br><b>5977386.001</b><br><b>5977387.001</b><br><b>5987351.001</b> | Print head 2/300<br>Print head 2/600<br>Print head 4.3/200<br>Print head 4.3/300<br>Print head 4/300<br>Print head 4/600<br>Print head 6.3/200<br>Print head 6.3/300<br>Print head 8.3/300 |
| 2.2  |  | <b>5954102.001</b><br><b>5954180.001</b><br><b>5954245.001</b><br><b>5954103.001</b>                                                                                                               | DR2 print roller<br>DR4 print roller<br>DR6 print roller<br>DR8 print roller                                                                                                               |
| 2.7  |  | <b>5954985.001</b>                                                                                                                                                                                 | DRS4 print roller                                                                                                                                                                          |
| 2.3  |  | <b>5954104.001</b><br><b>5954183.001</b><br><b>5954246.001</b><br><b>5981495.001</b>                                                                                                               | RR2 deflection roller<br>RR4 deflection roller<br>RR6 deflection roller<br>RR8 deflection roller                                                                                           |
| 2.4  |  | <b>6012025.001</b><br><b>5987876.001</b>                                                                                                                                                           | DRL4 print roller<br>DRL print roller 6                                                                                                                                                    |
| Pos. |                                                                                     | Item no.                                                                                                                                                                                           | OM operation, RFID antenna assembled                                                                                                                                                       |
| 2.5  |  | <b>5987177.001</b><br><b>5987178.001</b><br><b>5987179.001</b><br><b>5987688.001</b><br>auf Anfrage<br>auf Anfrage<br>auf Anfrage                                                                  | Print head 4.3/200<br>Print head 4.3/300<br>Print head 4/300<br>Print head 4/600<br>Print head 6.3/200<br>Print head 6.3/300<br>Print head 8.3/300                                         |

# Delivery program

## Accessories

| Pos. |                                                                                     | Item no.                      | Designation                                                                                     |
|------|-------------------------------------------------------------------------------------|-------------------------------|-------------------------------------------------------------------------------------------------|
| 2.6  |    | 5953700.001                   | DR4-M30 print roller                                                                            |
|      |                                                                                     | 5953701.001                   | DR4-M60 print roller                                                                            |
|      |                                                                                     | 5953702.001                   | DR4-M80 print roller                                                                            |
| 2.7  |    | 5954978.001                   | DRS2 print roller                                                                               |
|      |                                                                                     | 5954985.001                   | DRS4 print roller                                                                               |
|      |                                                                                     | 5954979.001                   | DRS6 print roller                                                                               |
| 2.8  |    | 6010186                       | External control panel                                                                          |
|      |                                                                                     | 5907718.001                   | USB cable, 1.8 m                                                                                |
|      |                                                                                     | 5907730.001                   | USB cable, 3 m                                                                                  |
|      |                                                                                     | 5907750.001                   | USB cable, 5 m                                                                                  |
|      |                                                                                     | 5907760.001                   | USB cable, 11 m                                                                                 |
|      |                                                                                     | 5907765.001                   | USB cable, 16 m                                                                                 |
| 2.9  |    | 5977530.001                   | Label sensor 4,5                                                                                |
| 2.10 |    | 6010840<br>6010841<br>6010842 | Print head pressing system 2L<br>Print head pressing system 4L<br>Print head pressing system 6L |
| 2.11 |   | 5977797<br>5977339            | Antistatic brush 2"<br>Antistatic brush 4" / 6"                                                 |
| 2.12 |  | 5959622                       | Adapter 100                                                                                     |
| 2.13 |  | 5977370                       | SD memory card                                                                                  |
| 2.14 |  | 5977730                       | USB stick                                                                                       |
| 2.15 |  | 5978912.001                   | USB WLAN stick<br>2.4 GHz 802.11b/g/n                                                           |
| 2.16 |  | 5977731                       | USB WLAN stick with a rod antenna<br>2.4 GHz 802.11b/g/n + 5 GHz a/n/ac                         |
| Pos. |                                                                                     | Item no.                      | Peeling off                                                                                     |
| 2.18 |  | 5977585                       | PS800 present sensor                                                                            |
| 2.19 |  | 5984482<br>5977538            | PS 2/900 present sensor<br>PS 4/900 present sensor                                              |
| 2.20 |  | 5977735                       | PS1000 MP present sensor                                                                        |
| 2.21 |  | 5977798<br>5978908<br>5977799 | Extended DP210 peel-off plate<br>Extended DP410 peel-off plate<br>Extended DP610 peel-off plate |
| 2.22 |  | 5964300                       | Reflective product sensor, 25 pins                                                              |
| Pos. |                                                                                     | Item no.                      | Interfaces                                                                                      |
| 3.1  |  | 5977767                       | Digital I/O interface                                                                           |
| 3.2  |  | 5917651                       | I/O interface plug,<br>SUB-D, 25 pins                                                           |
| 3.3  |  | 5948205                       | Label selection - I/O box                                                                       |

| Pos. |                                                                                      | Item no.                                  | Switches                                                                            |
|------|--------------------------------------------------------------------------------------|-------------------------------------------|-------------------------------------------------------------------------------------|
| 3.4  |    | 5955710                                   | TR2 hand switch                                                                     |
| 3.5  |    | 5955711                                   | Foot switch                                                                         |
| Pos. |                                                                                      | Item no.                                  | Connecting cable                                                                    |
| 4.1  |    | 5550818                                   | RS232-C cable<br>9/9 pins, 3 m                                                      |
| Pos. |                                                                                      | Item no.                                  | Cutting, perforating                                                                |
| 5.1  |    | 5984550<br>5984565                        | CSQ 401 cutter incl. a tray<br>CSQ 402 cutter incl. a tray                          |
| 5.2  |                                                                                      | 5984130<br>5984148                        | PSQ 403 perforation cutter<br>PSQ 410 perforation cutter                            |
| 5.3  |    | 5979032<br>5978900<br>5979033<br>5984100  | CU200 cutter<br>CU400 cutter incl. a tray<br>CU600 cutter<br>CU800 cutter           |
| 5.4  |   | 5978901<br>5978920                        | PCU400/2,5 perforation cutter<br>PCU400/10 perforation cutter                       |
| Pos. |                                                                                      | Item no.                                  | Stacking, verifying                                                                 |
| 5.5  |  | 5978902                                   | ST400 M stacker<br>providing a cutter and a base frame                              |
|      |  | xxxxxxx                                   | Support table, label W x H                                                          |
| 5.6  |  | 5977840                                   | CC200-SQ scanner                                                                    |
| Pos. |                                                                                      | Item no.                                  | Rewinding, unwinding                                                                |
| 6.1  |  | 5979031<br>5978903                        | RG200 guide plate<br>RG400 guide plate                                              |
| 6.2  |  | 5948102.597<br>5943251.597<br>5945802.597 | External ER1/210 rewinder<br>External ER2/210 rewinder<br>External ER3/210 rewinder |
| 6.3  |  | 5946090<br>5946420                        | External ER4/300 rewinder<br>External ER6/300 rewinder                              |
| 6.4  |  | 5946091<br>5946421                        | External EU4/300 unwinder<br>External EU6/300 unwinder                              |
| 6.5  |  | 5978943                                   | Kit to adapt ER4, ER6 and EU4, EU6                                                  |

x - part no. specific to order



# Delivery program

## Applicators, demand modules

| Pos. |                                                                                     | Item no.                                                                                       | Designation                                                                                                                                                                               |
|------|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 7.1  |    | <b>5987150.xxx</b>                                                                             | AXON 2 tube applicator providing a type 56.1 peel-off plate (Ø 14 mm), a TRV 14 transport roller, a tray                                                                                  |
| 7.2  |    | <b>5988000</b>                                                                                 | WICON wrap-around applicator<br>Included in the accessory pack are<br>- DR4-M30, DR4-M60 print rollers<br>- WICON peel-off plate                                                          |
| 7.3  |    | <b>5987566</b><br><b>5987567</b><br><b>5987568</b><br><b>5987560</b>                           | SQ 1000-220 applicator<br>SQ 1000-300 applicator<br>SQ 1000-400 applicator<br>SQ 1000-520 applicator                                                                                      |
| 7.4  |    | <b>5949496</b><br><b>5987690</b><br><b>5987691</b>                                             | Blow tube 2" SQ with retainer<br>Blow tube 4" SQ with retainer<br>Blow tube 6" SQ with retainer                                                                                           |
| 7.5  |   | <b>5949072</b>                                                                                 | A1021 universal pad<br>max. 70 x 60 (W x H)                                                                                                                                               |
|      |                                                                                     | <b>5949075</b>                                                                                 | A1021 universal pad<br>max. 90 x 90 (W x H)                                                                                                                                               |
|      |                                                                                     | xxxxxxx                                                                                        | A1021 tamp-on pad W x H                                                                                                                                                                   |
| 7.6  |  | <b>5949076</b>                                                                                 | A1321 universal pad<br>max. 116 x 102 (W x H)                                                                                                                                             |
|      |                                                                                     | <b>5949077</b>                                                                                 | A1321 universal pad<br>max. 116 x 152 (W x H)                                                                                                                                             |
|      |                                                                                     | xxxxxxx                                                                                        | A1321 tamp-on pad W x H                                                                                                                                                                   |
| 7.7  |  | xxxxxxx                                                                                        | A2021 blow-on pad W x H                                                                                                                                                                   |
| 7.8  |  | xxxxxxx                                                                                        | A1411 roll-on pad W x H                                                                                                                                                                   |
| 7.9  |  | <b>5987569</b>                                                                                 | SQ 3200 applicator                                                                                                                                                                        |
| 7.10 |  | xxxxxxx                                                                                        | A3200-1100 tamp-on pad W x H                                                                                                                                                              |
| 7.11 |  | xxxxxxx                                                                                        | A3200-2100 blow-on pad W x H                                                                                                                                                              |
| 7.12 |  | <b>5976083</b><br><b>5976083.242</b><br><b>5987120</b><br><b>5979035</b><br><b>5979035.242</b> | S5104 demand module incl. label sensor<br>S5104 demand module, no label sensor<br>S5104 M demand module<br>S5106 demand module incl. label sensor<br>S5106 demand module, no label sensor |

x - part no. specific to order

## Assembly assistants

| Pos. |                                                                                   | Item no.                                                                                                 | Designation                                                                                                                      |
|------|-----------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| 8.1  |  | <b>5979036</b><br><b>5978910</b><br><b>5978923</b>                                                       | Assembly plate SQUIX 2<br>Assembly plate SQUIX 4<br>Assembly plate SQUIX 6                                                       |
| 8.2  |  | <b>5958365</b><br><b>5965929</b><br><b>5971136</b><br><b>5987701</b><br><b>5987702</b><br><b>5987703</b> | Profile 40<br>Profile 80<br>Profile 120<br>Profile 160<br>Profile 200<br>Profile 300                                             |
| 8.3  |  | <b>5961203</b>                                                                                           | Base plate 500 mm x 255 mm                                                                                                       |
| 8.4  |  | <b>5989277</b>                                                                                           | Base plate<br>with XY stop and product sensor                                                                                    |
| 8.5  |  | <b>5947400</b>                                                                                           | Floor stand 1600 mm                                                                                                              |
| 8.6  |  | <b>5979037</b><br><b>5978922</b><br><b>5979038</b>                                                       | Jig for retaining a SQUIX 2 printer unit<br>Jig for retaining a SQUIX 4 printer unit<br>Jig for retaining a SQUIX 6 printer unit |

## Special covers

| Pos. |                                                                                     | Item no.                                                       | Designation                                                                      |
|------|-------------------------------------------------------------------------------------|----------------------------------------------------------------|----------------------------------------------------------------------------------|
| 9.1  |  | <b>5977771.001</b><br><b>5977763.001</b><br><b>5977772.001</b> | Hinged cover SQUIX 2-ESD<br>Hinged cover SQUIX 4-ESD<br>Hinged cover SQUIX 6-ESD |
| 9.2  |  | <b>5977764.001</b><br><b>5977774.001</b>                       | Hinged cover SQUIX 4-FOOD<br>Hinged cover SQUIX 6-FOOD                           |

## Protective chassis

| Pos. |                                                                                     | Item no.                         | Designation                                                        |
|------|-------------------------------------------------------------------------------------|----------------------------------|--------------------------------------------------------------------|
| 9.3  |  | <b>5979071</b><br><b>5979305</b> | Stainless steel chassis SQUIX 4<br>Stainless steel chassis SQUIX 6 |

## Label software

| Pos.  |                                                                                     | Item no.       | Designation                                 |
|-------|-------------------------------------------------------------------------------------|----------------|---------------------------------------------|
| 11.7  |  | Bundle         | cablabel S3 Lite<br>(download on cab.de/en) |
|       |                                                                                     | <b>5588001</b> | cablabel S3 Pro 1 WS                        |
|       |                                                                                     | <b>5588100</b> | cablabel S3 Pro 5 WS                        |
|       |                                                                                     | <b>5588101</b> | cablabel S3 Pro 10 WS                       |
|       |                                                                                     | <b>5588150</b> | cablabel S3 Pro 1 additional licence        |
|       |                                                                                     | <b>5588151</b> | cablabel S3 Pro 4 additional licences       |
|       |                                                                                     | <b>5588152</b> | cablabel S3 Pro 9 additional licences       |
|       |                                                                                     | <b>5588002</b> | cablabel S3 Print 1 WS                      |
|       |                                                                                     | <b>5588105</b> | cablabel S3 Print 5 WS                      |
|       |                                                                                     | <b>5588106</b> | cablabel S3 Print 10 WS                     |
|       |                                                                                     | <b>5588155</b> | cablabel S3 Print 1 additional licence      |
|       |                                                                                     | <b>5588156</b> | cablabel S3 Print 4 additional licences     |
|       |                                                                                     | <b>5588157</b> | cablabel S3 Print 9 additional licences     |
|       |                                                                                     | in preparation | cablabel S3 Print Server                    |
| 11.10 |                                                                                     | <b>9009950</b> | Programming manual EN,<br>printed copy      |





See further information on  
[www.cab.de/en/squix](http://www.cab.de/en/squix)

# Overview of cab products

Label printers  
**MACH1, MACH2**



Label printers  
**EOS 2**



Label printers  
**EOS 5**



Label printers  
**MACH 4S**



Label printers  
**SQUIX 2**



Label printers  
**SQUIX 4**



Label printers  
**SQUIX 6.3**



Label printers  
**SQUIX 8.3**



Label printers  
**XD Q double-sided**



Label printers  
**XC Q two-colored**



Print and apply systems  
**HERMES Q**



Print and apply systems  
**Hermes C two-colored**



Tube labeling systems  
**AXON 1**



Print modules  
**PX Q**



Labels and ribbons



Label software  
**cablabel S3**



Label dispensers  
**HS, VS**



Labeling heads  
**IXOR**



Marking lasers  
**XENO 4**



Laser marking systems



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