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MARKING SYSTEMS

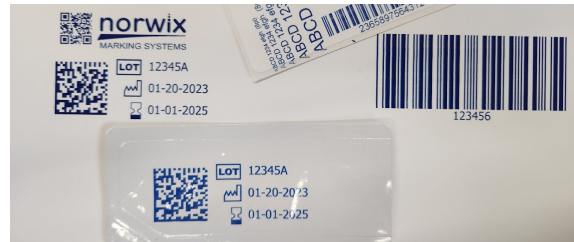# iM2 and iM4
UV Curable Print Solutions

High Performance UV Curable Print Solutions

High Quality, High Speed

The iM Series supports up to 600 dpi resolution giving you maximum quality at all times—there is little that cannot be printed with incredible sharpness.

- **600 DPI Print Resolution (1280 print nozzles)**

- **Variable Drop Size Capability**
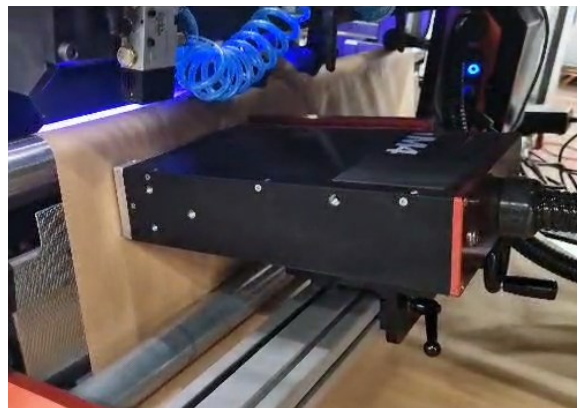
- **Up to 1200 fpm Line Speed**

Simple to Integrate

With compact footprint and flexible mounting options upgrading existing print solutions with the iM2 is a straightforward process. Using 80/20 as the mounting bar, custom width mounts can be accommodated to meet any installation.

- **Installs Quickly into Existing Machinery**

- **Precision Mounting Gives Exact Control**

- **Small Footprint Allows for Implementing Multiple Head installations**

Print in All Directions

With the patented Ink Delivery System, the iM2 and iM4 can print in any orientation, down, sideways or even upside down. It will also print in shuttling systems without any effort.

Premium Capabilities at a Lower Cost

The iM2 and iM4 initial cost is significantly lower than other solutions, but this goes beyond just hardware costs. Factoring in reduced maintenance, efficient use of inks, and reliability, both models have a incredibly low Total Cost of Ownership.

- **Lowest Cost UV Curable Print Solution**
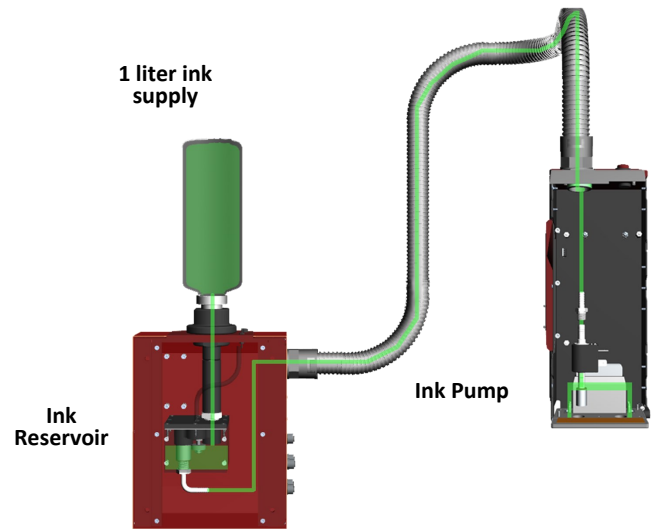
- **Quickest ROI in the Industry**

- **Reduced Operational Costs**

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Patented Ink Delivery System

The ink system used in the iM2 and iM4 is sophisticated and highly reliable. The pump measures minute changes in pressure and delivers ink directly from the ink supply to the print head as ink is being consumed. No valves, air sensors or multiple connections to create possible failure points. Just solid performance.

- **Single Pump and Sensor for Ultimate Reliability**

- **Better Meniscus Accuracy for Higher Speeds**

- **No Gravity Dependance—Print in any Orientation**

- **Zero Maintenance - No Filter Changes ever!**

1 liter ink supply

Ink Reservoir

Ink Pump

2 Meter Umbilical

Carries ink and electrical signals

1 Liter Ink Supply

Hot Swappable

2.13" Print Head

Ultra-small footprint
4.25" x 3.5"

4.26" Print Head

Ultra Thin footprint
8.5" x 3.0"

Characteristic	iM2	iM4
Print Width	2.13"/54.1mm	4.26" /108.2mm
Resolution	600 dpi	600 dpi
No of Drops	1 to 3	1 to 3
Drop Volume	7 pl / 14 pl / 24 pl	7 pl / 14 pl / 24 pl
Frequency	60 kHz	60 kHz
Custom Colors	Yes	Yes

Horizontal Resolution	Max Speed *	
	m/min	ft/min
600	137	450
300	274	900
150	356	1,200

* speeds will vary with ink type and drop size

Mail and Graphics

Printing on mail pieces reflects the quality of the company and with decades of Addressing and Direct Mail experience, Norwix has the right print solutions using the UV Curable iM2 and iM4 printers.

High speed and high resolution bound together with proven reliability gives highly cost effective addressing solutions.

Medical and Pharmaceutical

The high resolution iM2 printer provides a versatile, cost-effective solution to meet the need for variable data printing on a range of materials—from film for contact lenses to coated boxes.

Printing GS1 data including alphanumerics, 2D datamatrix, QR codes, the iM2 and iM4 have the quality, speed and reliability that the pharma and medical industry requires.
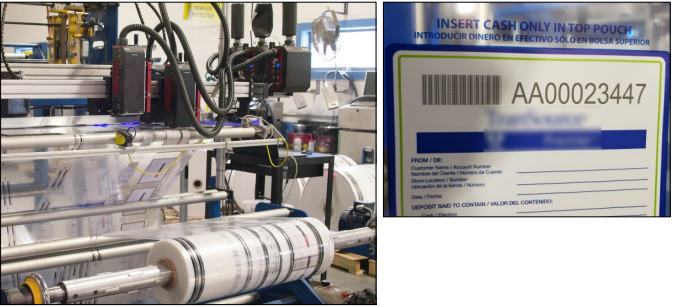

Bottling Lines

Bottled products are moving towards an increasing amount of traceability capabilities, with the need to print sophisticated barcodes on the caps and very high speeds and with perfect clarity From reduction of labels to government mandated individual tax stamps on each product, the iM2 has become the de-facto coding solution for many of the world's leading bottlers.

Tamper-Evident Security Packaging

Tamper-evident security bags are designed to make the transportation, processing, and storage processes as simple and safe as possible.

The iM2 integrates seamlessly into bag printing lines, replacing existing print technology, providing provable and very significant saving in terms of maintenance , downtime and consumables, while giving stunning quality and permanence of all prints.

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