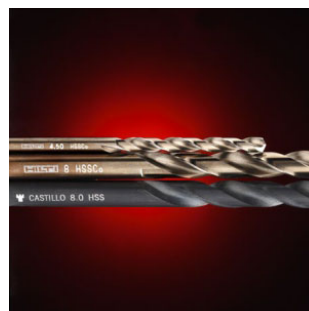
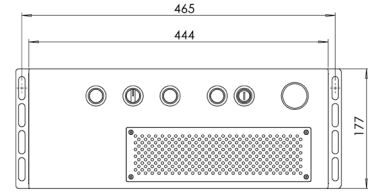
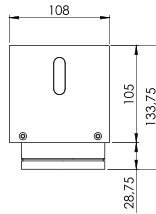
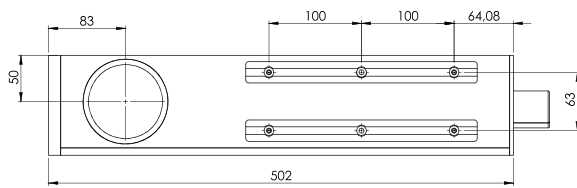


AB2 F SERIES

**METAL MARKING
APPLICATIONS**



AB2 F SERIES



AB2-F SERIES

MODEL	AB2-F 20	AB2-F 30	AB2-F 50	AB2-F 100	AB2-F 200
POWER	20w	30w	50w	100w	200w
WAVELENGTH	1064nm				
FREQUENCY RANGE	20-200KHz	30-200KHz	50-200KHz	100-200KHz	2-4000KHz
PULSE WIDTH	100ns				
MAINS SUPPLY	100/240v - 50/60Hz (1 Phase + N)				
	500 VA	600 VA	700 VA	825 VA	950 VA
DIMENSIONS (mm)	Head	108 x 506 x 105			
	Rack	444x548x177			453x481x222
WEIGHT (kg)	Net	28 Kg			
	Gross	32 Kg			

SYSTEM	Optical isolator and colimator of the laser source. Galvanometric scanners built into the marking head. Control and power electronics. Drivers of the scanners . Dual processor CPU with 4 axis control and optoisolated digital I/O. Power supplies and laser buit into the control rack				
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FOCAL SPECIFICATIONS

TECHNOLOGY

	MA (mm)	WD (mm)	FL (mm)	F-20		F-30		PULSED F-50		F-100		F-100	
				BD (µm)	PD (Kw cm ²)	BD (µm)	PD (Kw cm ²)	BD (µm)	PD (Kw cm ²)	BD (µm)	PD (Kw cm ²)	BD (µm)	PD (Kw cm ²)
XQS	60x60	126	100	45	1249	45	1873	45	3122	45	6244	45	12488
	100x100	201	160	72	488	-	-	-	-	-	-	-	-
	107x107	203	162	73	473	73	710	73	1184	73	2367	73	4735
	160x160	345	254	115	194	115	290	115	484	115	968	115	1936
	212x212	446	346	156	104	156	156	156	260	156	521	156	1041
	242x242	545	420	190	71	190	106	190	177	190	354	190	708
	325x325	710	570	257	38	257	58	257	96	257	192	257	385
	560x560	955	820	370	19	370	28	370	46	370	93	370	186

SOFTWARE OPTIONS	Abmarca label design software (Requires MS Windows 7 or higher). AbOptima supervisory software Abvision control software for vision systems
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USER INTERFACE	Touch Screen - PC / Laptop
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ACCESSORIES	Handheld Terminal - Red pointer - Encoder Kit - Photocell kit - Alarm kit - Fume Extractor Mounting support - Mounting Bracket U-ARM - Marking paper - Protection Googles Air Cooling Kit - 3D Option
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ENVIRONMENTAL CONDITIONS	10-35°C non condensing vibration free
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* **MA:** Marking Area | **FL:** Focal Length (The distance between the center of the lens and the surface to be marked.)

WD: Working Distance (The distance between the laser system base and the surface to be marked.)

BD: Spot Beam Diameter | **PD:** Power Density

These values are an approximation, and they are different for each laser system, due to the different optical paths.

