



BMFD											
MODEL			PULSED & PULSED UHS								
POWER			20W			50W			100W		
WAVELENGTH			1.062 μm								
FREQUENCY			25-100KHz								
PULSE WIDTH			100ns								
LASER SYSTEM			BMFD020 PULSED & PULSED UHS			BMFD050 PULSED & PULSED UHS			BMFD100 PULSED & PULSED UHS		
MAINS SUPPLY			100V - 240V 50 / 60 Hz (1 Phase + N) 350 VA			100V - 240V 50 / 60 Hz (1 Phase + N) 600 VA			100V - 240V 50 / 60 Hz (1 Phase + N) 750 VA		
DIMENSIONS		Head	108x106.5x469 mm			115x98x463 mm					
		Rack	464x177x550 mm								
WEIGHT			Net weight: 23Kg - Gross Weight: 27Kg								
SYSTEM			Optical isolator and collimator of the laser source, galvanometric scanners built into the marking head. Control and power electronics, drivers of the scanners, CPU, power supplies and laser source built into the control rack.								
FOCAL SPECIFIC.	TECHNOLOGY			PULSED				PULSED UHS			
	MA (mm)	WD (mm)	FL (mm)	BD (μm)	PD (KW/cm²)	PD (KW/cm²)	PD (KW/cm²)	BD (μm)	PD (KW/cm²)	PD (KW/cm²)	PD (KW/cm²)
	55x55	141	100	16	19417	48542	97085	27	6964	17409	34819
	100x100	205	163	26	7308	18270	36540	44	2653	6634	13267
	168x168	347	254	41	3009	7524	15045	69	1079	2698	5397
	212x212	458	346	56	1622	4054	8110	94	582	1454	2908
	242x242	554	420	68	1101	2752	5505	-	-	-	-
560x560	889	815	132	292	731	1460	-	-	-	-	
SOFTWARE			<ul style="list-style-type: none"> • ScanLinux (Standard). • Crystal Font (Standard). • Internal Barcode. • Marca Lite Software. 								
USER INTERFACE			<ul style="list-style-type: none"> • Touch Screen. • Hand Held Terminal. • PC. 								
CONTROLLED BY			<ul style="list-style-type: none"> • Hand Held Terminal with ScanLinux software. • Touch Screen with ScanLinux software. • Full Graphics Interface: includes Marca™ software, dongle and Ethernet cable (TCP / IP). • Marca Lite Software: includes Marca™ software, dongle and Ethernet cable (TCP / IP). 								
ACCESSORIES			Handheld Terminal-Touch Screen Terminal - Beam pointer - Encoder Kit - Photocell Kit - Alarm Kit Fume Extractor - Mounting support - Mounting Bracket U-ARM - Marking paper - Protection goggles Air Cooling Kit								
ENVIRONMENTAL CONDITIONS			+15°C (59°F) at 40°C (104°F) external temperature with 50% Duty Cycle or 36°C(100°F) external temperature with 100% Duty Cycle. Humidity between 10% and 95%, without condensation. No vibrations.								

* **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.

