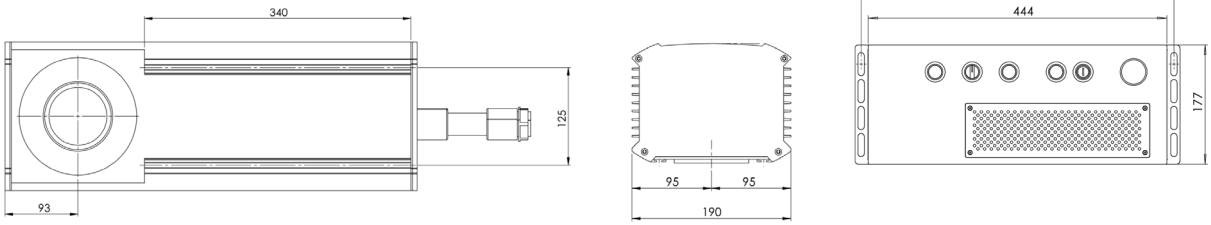
Industrial Laser Solutions

Abmark®

AB – F HALO

OFF-LINE METAL AND PLASTIC MARKING APPLICATION

AB - F HALO



AB-F HALO						
MODEL				**AB-F 10**	**AB-F 20**	**AB-F 30**
POWER				20W	30W	50W
WAVELENGTH				1064 nm		
FREQUENCY				20-80 kHz	30-80 kHz	50-100 kHz
PULSE WIDTH				< 120ns		
MAINS SUPPLY				100V - 240V 50 / 60 Hz (1 Phase + N) 500 VA		
DIMENSIONS			Head	140 x 190 x 525 mm		
			Rack	444 x 177 x 548 mm		
WEIGHT				Net weight: 26Kg - Gross Weight: 30Kg		
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 with 2 axis control and optoisolated Digital I/O, power supplies and laser source built into the control rack. Red pointer.		
FOCAL SPECIFIC.	TECHNOLOGY			PULSED		
				F -	20	30	50
	MA (mm)	WD (mm)	FL (mm)	BD (µm)	PD (KW/cm^2)	PD (KW/cm^2)	PD (KW/cm2)
	60x60	144	100	16	19417	29126	48542
	100x100	222	163	26	7308	10962	18720
	160x160	361	254	41	3009	4514	7524
	250x250	550	410	68	1101	1652	2752
SOFTWARE OPTIONS				N/A			
USER INTERFACE				PC / Laptop (USB Connection)			
ACCESSORIES				Encoder Kit - Photocell Kit - Alarm Kit - Fume Extractor - Mounting support - Mounting Bracket U-ARM - Marking paper - Protection goggles - Focus finder - 4 Axis control CPU			
ENVIRONMENTAL CONDITIONS				10 - 35°C non condensing vibration free			

* ***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.

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