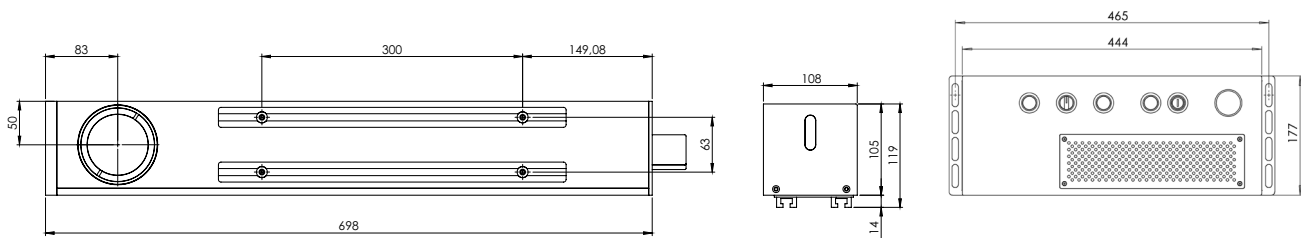


AB - F 3D

METAL AND PLASTIC MARKING WITH INTERNAL Z AXIS



AB - F SERIES



		AB-F 3D															
MODEL		AB-F 3D 20		AB-F 3D 30		AB-F 3D 50		AB-F 3D 100		AB-F 3D 200							
POWER		20w		30w		50w		100w		200w							
WAVELENGTH		1064nm															
FREQUENCY RANGE		20-200KHz		30-200KHz		50-200KHz		100-200KHz		2-4000KHz							
PULSE WIDTH		100ns								20-500ns							
MAINS SUPPLY		100/240v - 50/60Hz (1 Phase + N)															
		350 VA		400 VA		600 VA		750 VA		1000VA							
DIMENSIONS (mm)		Head		698 x 106 x 105/119mm													
		Rack		444x548x177						453x481x222							
Weight (Kg)		Net		32Kg													
		Gross		36Kg													
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 source built into the control rack															
FOCAL SPECIFICATIONS		TECHNOLOGY						PULSED									
								F-20		F-30		F-50		F-100		F-100	
		MA (mm)	WD (mm)	FL (mm)	Z-range (mm)	Fieldsize range (mm)		BD (μm)	PD (Kw/cm²)	BD (μm)	PD (Kw/cm²)	BD (μm)	PD (Kw/cm²)	BD (μm)	PD (Kw/cm²)	BD (μm)	PD (Kw/cm²)
		80x80	133	150				54	867	54	1301	54	2168	54	4336	34	22200
		120x120	180	200	-50 / +50	85x85 / 150x150		72	488	72	732	72	1219	72	2439	45	12488
200x200	280	300	-100 / +100	110x110 / 270x270		108	217	108	325	108	542	108	1084	68	5550		
400x400	560	400	-280 / +210	200x200 / 500x500		145	122	145	183	145	305	145	610	90	3122		
SOFTWARE OPTIONS		Abmarca label design software (Requires MS Windows 7 or higher). AbOptima supervisory software Abvision control software for vision systems															
USER INTERFACE		Touch Screen - PC / Laptop															
ACCESSORIES		Touch Screen Terminal - Red pointer - Encoder Kit - Photocell kit - Alarm kit Fume Extractor - Mounting support - Mounting Bracket U-ARM Marking paper - Protection Goggles - Air Cooling Kit															
ENVIRONMENTAL CONDITIONS		10-35°C non condensing vibration free															

*MA: Marking Area | FL: Focal Length (Distance between the lens and the surface to be marked)
WD: Average Working Distance (Working distance of the machine at the average position of the 3D axis)
BD: Spot beam diameter at the average focal position | PD: Power density at the average focal distance
These values are an approximation, and because of the optical components may be different for each laser.

