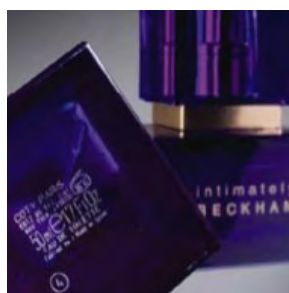
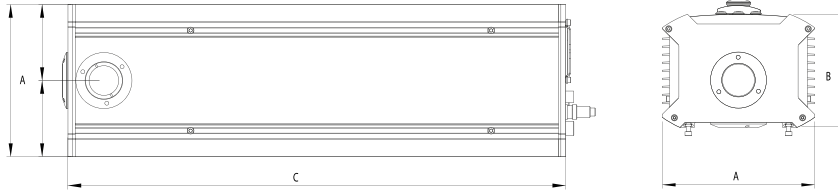


AB - C SERIES

MARKING, CUTTING SCORING AND
PERFORATING APPLICATIONS



AB - C SERIES



		AB-C														
SYSTEM		AB-C 10			AB-C 30			AB-C 60		AB-C 80		AB-C 100				
POWER		10W			30W			60W		80W		100W				
WAVELENGTH		10,6 μ m														
POWER REQUIREMENTS		120V - 240V 50 / 60 Hz 330 VA			120V - 240V 50 / 60 Hz 660 VA			120V - 240V 50 / 60 Hz 1600 VA		120V - 240V 50 / 60 Hz 1900 VA		120V - 240V 50 / 60 Hz 2600 VA				
DIMENSIONS		Head			621x190x141 mm			656x235x193 mm			774x235x193 mm		774x235x193 mm		1245x235x253 mm	
		Rack			453x481,5x177 mm (19"x44x453, 5mm)											
WEIGHT		Net: 19kg Gross: 24kg			Net: 32kg Gross: 40kg			Net: 71kg Gross: 86kg		Net: 71kg Gross: 86kg		Net: 96kg Gross: 111kg				
COOLING		Air										Water				
ALIGNMENT DIODE		Red pointer diode available as an option														
SOFTWARE OPTIONS		<ul style="list-style-type: none"> Abmarca label design software. Requires MS Windows 7 or higher AbOptima supervisory software Abvision control software for vision systems 														
CONTROL SYSTEM		Single processor CPU with 3 axis control and opto-isolated Digital I/O														
INTERFACE OPTIONS		<ul style="list-style-type: none"> Touch Screen. Hand Held Terminal. PC / Laptop 														
ACCESSORIES		<ul style="list-style-type: none"> Focus finder diode Red pointer diode for mark simulation Extraction equipment Class I workstations Abstation Mini & Abstation Maxi 														
ENVIRONMENTAL CONDITIONS		+10°C to 40°C ambient temperature										+15°C to 40°C ambient temperature				
		Humidity < 95% non-condensing, vibration free														
		Focal length (mm)	Marking area (mm)	Working distance (mm)	Spot dia-meter (μ m)	Power density (kW/cm ²)	Spot dia-meter (μ m)	Power density (kW/cm ²)	Spot dia-meter (μ m)	Power density (kW/cm ²)	Spot dia-meter (μ m)	Power density (kW/cm ²)	Spot dia-meter (μ m)	Power density (kW/cm ²)		
Standard models		95	60x60	85	192	68,8	192	206,5	-	-	-	-	-	-		
		125	75x75	115	253	39,8	253	119,3	-	-	-	-	-	-		
		160	100x100	150	324	24,3	324	72,8	-	-	-	-	-	-		
		240	150x150	230	486	10,8	486	32,4	-	-	-	-	-	-		
		320	200x200	310	648	6,1	648	18,2	-	-	-	-	-	-		
High speed		410	250x250	400	830	3,7	830	11,1	-	-	-	-	-	-		
		95	60x60	85	-	-	256	116,2	256	232,4	256	309,8	256	387		
		125	75x75	115	-	-	337	67,1	337	134,2	337	178,9	337	224		
		160	100x100	150	-	-	432	41	432	81,9	432	109,2	432	137		
		240	150x150	230	-	-	648	18,2	648	36,4	648	48,5	648	61		
HPD		320	200x200	310	-	-	864	10,2	864	20,5	864	27,3	864	34		
		410	250x250	400	-	-	1107	6,2	1107	12,5	1107	16,6	1107	21		
		160	100x100	150	-	-	230	144	230	288	230	384	230	480		
		320	200x200	310	-	-	461	36	461	72	461	96	461	120		
	410	250x250	400	-	-	590	21,9	590	43,9	590	58,6	590	73,1			

* **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.

