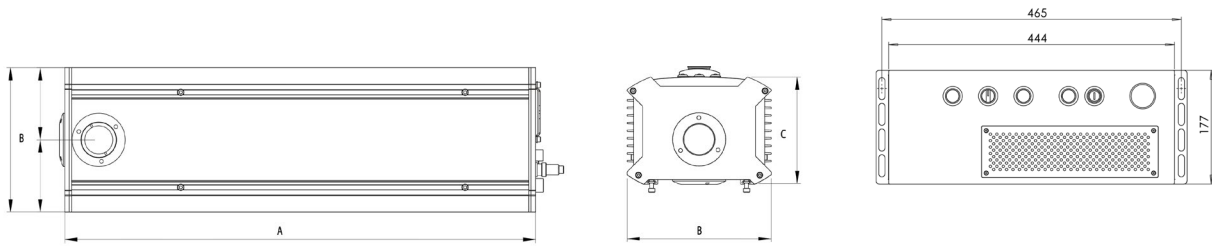


# AB - C SERIES

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 μm											
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							
	Pack	-	-	444 x 177 x 548 mm									
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"> <li>Abmarca label design software. Requires MS Windows 7 or higher</li> <li>AbOptima supervisory software</li> <li>Abvision control software for vision systems</li> </ul>											
CONTROL SYSTEM		Single processor CPU with 3 axis control and opto-isolated Digital I/O											
INTERFACE OPTIONS		<ul style="list-style-type: none"> <li>Touch Screen</li> <li>Hand Held Terminal</li> <li>PC / Laptop</li> </ul>											
ACCESSORIES		<ul style="list-style-type: none"> <li>Focus finder diode</li> <li>Red pointer diode for mark simulation</li> <li>Extraction equipment</li> <li>Class II workstation Abstation Mini</li> </ul>											
ENVIRONMENTAL CONDITIONS		+10°C to 40°C. Vibration free.										+15°C to 40°C. Vibration free.	
	FL (mm)	MA (mm)	WD (mm)	BD (μm)	PD (kW/cm <sup>2</sup> )	BD (μm)	PD (kW/cm <sup>2</sup> )	BD (μm)	PD (kW/cm <sup>2</sup> )	BD (μm)	PD (kW/cm <sup>2</sup> )	BD (μm)	PD (kW/cm <sup>2</sup> )
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	-	-	-	-	-	-
	410	250x250	400	830	3,7	830	11,1	-	-	-	-	-	-
High speed	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
	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
HPD	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.

