

ABX D UV SERIES

DATASHEET



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MODEL		ABX NANO UV			
SYSTEM	Power	5 W			
	Technology	Compact Q-Switched DPSS UV Nd:YVO ₄			
WAVELENGTH	nanometers	355 nm			
PULSELENGTH	nanoseconds	< 18 ns			
MAINS POWER SUPPLY		100 / 240 V AC 50 / 60 Hz (1 Phase + N) 700 VA			
COOLING		Air Cooled			
	M. Area	WD	FL	BD	PD
FOCAL SPECIFICATIONS FOR LENSES without BE for XQS Head *	60x60	133 mm	103 mm	12	4146
	100x100	220 mm	170 mm	20	1516
	160x160	347 mm	254 mm	31	679
	200x200	440 mm	330 mm	40	403
MARKING HEAD ACCESSORIES	Beam exit at 0°-90°			Std.	
	Marking area indicator			Opt.	
CONTROL	TouchScreen tsl-light			Opt.	
	Pc with Marca software			Opt.	
SOFTWARE	Scanlinux			Std.	
	AbMarcaTouch OS 2.0			Opt.	
	AbMarca full graphics pc software			Opt.	
	TCP/IP protocol			Std.	
	Profinet protocol			Opt.	
	OPC-UA protocol			Opt.	
	Ethernet/IP protocol			Opt.	
	Internal barcode generator			Opt.	
ACCESSORIES		Diode Marking Pointer - Encoder Kit - Mounting Support - Photocell Kit			
ENVIRONMENTAL CONDITIONS	Operating Temperature		10 °C (50 °F) to 35 °C (95 °F)		
	Humidity		< 95 %, non-condensing		
	Vibrations		No vibrations		
	Protection Rate		DE IP54 (Dusty Environment)		
DIMENSIONS		AxBxC		240 x 200 x 614 mm	
WEIGHT	Net Weight		26 kg		
	Gross Weight		29 kg		

* Customizable marking area also available

CONTROLLER	TSL – Light
DIMENSIONS (AxBxC)	286 x 199 x 49 mm
TYPE	Capacitive Touch Screen Display
SIZE	10,1"
	1064 x 600
COLOUR	16,2M
LUMINANCE	340 cd/mq
MEMORY	2 GB
VOLTAGE	12 VDC
CONNECTIVITY	TYCO Connector
SOFTWARE	AbMarcaTouch™ OS 2.0 or newer
LANGUAGES	26 languages (English, Arabic, Chinese, Czech, Deutsch, Danish, Finnish, French, Greek, Hebrew, Magyar, Indonesian, Italian, Japanese, Korean, Malaysian, Dutch, Polish, Portuguese, Russian, Serbian, Spanish, Swedish, Thai, Turkish, Vietnamese)
INTERFACE	WYSIWYG technology which displays what is going to be printed.
COVER CONDITIONS	Plastic ABS
IP RATE	IP55 / IP65 (Opt.)
ENVIRONMENT	0 – 40°C, Non-condensing

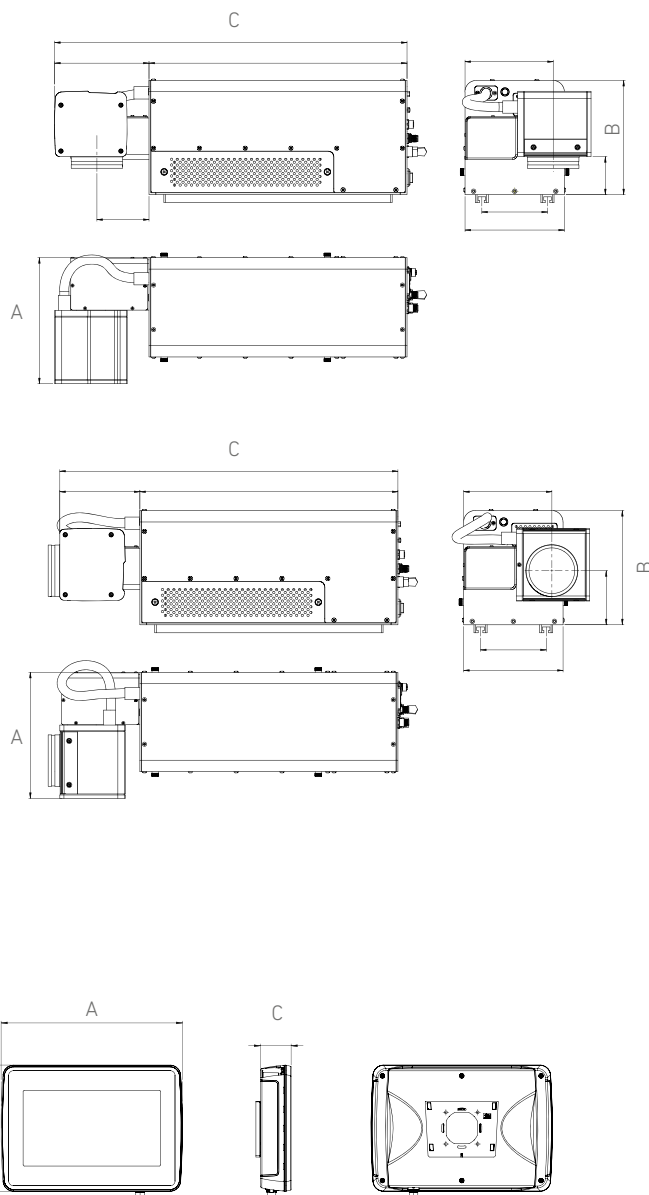
* **MA:** Marking Area | **FL:** Focal Length (The distance between the center of the lens and the surface to be marked.)

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.

Specifications subject to change.



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