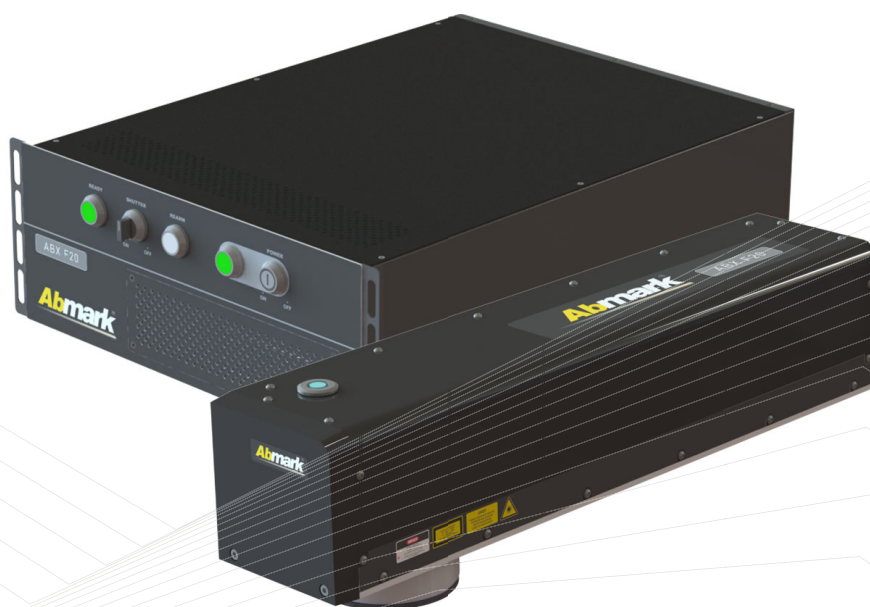


ABX F SERIES

DATASHEET



AB2 F SERIES

Fiber

ABX F

Rack Enclosure

Dusty Environment / Wash Down Environment



Power	20 W	50 W	100W	20 W	50 W	100W
Release Date	March - 25	March - 25	April-25	Available	March - 25	April-25
Technology	Ytterbium Pulsed Fiber Laser					

SYSTEM

Dimensions (mm)

laser head 108x105x506
rack unit 550x483x177

laser head 108x105x506
control cabinet 525x200x650

WAVELENGTH	Fiber 1.064 nm						1.064 nm											
PULSELENGTH	nanoseconds						120-150 ns		120-150 ns		250-290 ns		120-150 ns		120-150 ns		250-290 ns	
MARKING HEAD ACCESSORIES	Standard Lenses						100x100											
	Beam Expander						Std.											
	Beam Exit at 0°						-		-		-		-		-		-	
	Beam Exit at 90°						Std.		Std.		Std.		Std.		Std.		Std.	
Marking Area Indicator						Std.		Std.		Std.		Std.		Std.		Std.		
LENSES LCX FIBER	M. Area	WD	FL	BD	PD	BD	PD	BD	PD	BD	PD	BD	PD	BD	PD			
	70x70	125	100	29	3022	31	6639	33	11450	29	3022	31	6639	33	11450			
	110x110	201	160	46	1180	50	2594	53	4473	46	1180	50	2594	53	4473			
	175x175	297	254	74	468	79	1029	85	1775	74	468	79	1029	85	1775			
	200x200	344	290	84	359	90	789	97	1361	84	359	90	789	97	1361			
CONTROL	Touch Screen TSL-Light			Opt.		Opt.		Opt.		Opt.		Opt.		Opt.				
	Touch Screen TSL-Light IP65			-		-		-		Opt.		Opt.		Opt.				
	Touch Screen TSL - LCX (3Q 2025)			Opt.		Opt.		Opt.		Opt.		Opt.		Opt.				
	PC with Marca Software			Opt.		Opt.		Opt.		Opt.		Opt.		Opt.				
	ScanLinux			Std.		Std.		Std.		Std.		Std.		Std.				
SOFTWARE & COMMS	MarcaTouch OS 2.00			Opt.		Opt.		Opt.		Opt.		Opt.		Opt.				
	Marca Full Graphics PC Softw.			Opt.		Opt.		Opt.		Opt.		Opt.		Opt.				
	TCPIP Protocol			Std.		Std.		Std.		Std.		Std.		Std.				
	Profinet Protocol			Opt.		Opt.		Opt.		Opt.		Opt.		Opt.				
	Ethernet/IP Protocol			Opt.		Opt.		Opt.		Opt.		Opt.		Opt.				
	OPC-UA Protocol			Opt.		Opt.		Opt.		Opt.		Opt.		Opt.				
	Internal Barcode Generator			Opt.		Opt.		Opt.		Opt.		Opt.		Opt.				
COOLING	Air/Water			Air		Air		Air		Forced Air		Forced Air		Forced Air				
	Filtered Blower (200m3/h)			-		-		-		Opt.		-		-				
	Filtered Blower (350m3/h)			-		-		-		Opt.		Opt.		Opt.				
	TCU			-		-		-		Opt.		Opt.		Opt.				
	Chiller			-		-		-		-		-		-				

KEY:

SE Standard Environment (IP31). DE Dusty Environment (IP54). WD Wash Down Environment (IP55/ IP65). Opt. Optional (Can be ordered as an accessory). Std. Standard (Included as default).

FL Focal Length in mm. WD Working Distance in mm. BD Beam Diameter in µm. PD Power Density in kW/cm2 Given WD values are approximate

Specifications subject to change without notice / 19" rack option available under request

