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LCX FIBER SERIES

DATASHEET

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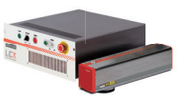
Fiber

LCX F

Rack Enclosure	Dusty Environment / Wash Down Environment
	

SYSTEM	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									
	Dimensions (mm)			laser head 108x105x506 rack unit 550x483x177						laser head 108x105x506 control cabinet 525x200x650			
WAVELENGTH	CO_2 10,6 microns for BIO materials			-									
	CO_2 10,2 microns for FILM materials			-									
	CO_2 9,3 microns for PET bottles			-									
	Fiber 1.064 nm			1.064 nm									
	UV 355 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 0º			-		-		-		-		-	-
	Beam Exit at 90º			Std.		Std.		Std.		Std.		Std.	Std.
	Marking Area Indicator			Std.		Std.		Std.		Std.		Std.	Std.
LENSES LCX CO2 without BE	M. Area	WD	FL	BD	PD	BD	PD	BD	PD	BD	PD	BD	PD	BD	PD
	70x70	90	100	-	-	-	-	-	-	-	-	-	-	-	-
	110x110	133	150												
LENSES LCX CO2 with BE	M. Area	WD	FL	BD	PD	BD	PD	BD	PD	BD	PD	BD	PD	BD	PD
	70x70	90	100	-	-	-	-	-	-	-	-	-	-	-	-
	110x110	133	150	-	-	-	-	-	-	-	-	-	-	-	-
	140x140	185	200	-	-	-	-	-	-	-	-	-	-	-	-
	175x175	229,3	240	-	-	-	-	-	-	-	-	-	-	-	-
	210x210	287	300	-	-	-	-	-	-	-	-	-	-	-	-
	250x250	338,5	350	-	-	-	-	-	-	-	-	-	-	-	-
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
LENSES LCX UV 355 nm with BE	M. Area	WD	FL	BD	PD	BD	PD	BD	PD	BD	PD	BD	PD	BD	PD
	60x60	133	100	-	-	-	-	-	-	-	-	-	-	-	-
	110x110	220	160	-	-	-	-	-	-	-	-	-	-	-	-
	175x175	347	220	-	-	-	-	-	-	-	-	-	-	-	-
	200x200	440	290	-	-	-	-	-	-	-	-	-	-	-	-
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.	
SOFTWARE	ScanLinux			Std.		Std.		Std.		Std.		Std.		Std.	
	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.		Opt.		Opt.	
	Filtered Blower (350m3/h)			-		-		-		Opt.		Opt.		Opt.	
	TCU			-		-		-		Opt.		Opt.		Opt.	
	Chiller			-		-		-		-		-		-	

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