

Lasers for
packaging
markets

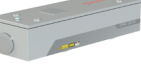


QUICK GUIDE

AGO 2024



Coding, tracing and marking
solutions worldwide

		DPSS																DD	
		SPA 2 NANO D DUO		SPA 2 D DPSS				SPA 2 D GREEN		SPA 2 D NANO UV		SPA 2 D UV				Bidi Lase			
		Standard Environment		Dusty Environment		Standard Environment		Dusty Environment		Standard Environment		Dusty Environment		Standard Environment		Wash-Down Environment		Dusty Environment	
																			
SYSTEM	Power	6 W	20 W	6 W	20 W	6 W	10 W	20 W	6 W	10 W	1.5 W	4 W	5 W	5 W	15 W	5 W	15 W	240 W x 35dots	
	Technology	Compact Q-Switched DPSS laser Nd:YVO4		Compact Q-Switched DPSS laser Nd:YVO4				Compact Q-Switched DPSS Green Nd:YVO4		Compact Q-Switched DPSS UV Nd:YVO4		Compact Q-Switched DPSS UV Nd:YVO4		Compact Q-Switched DPSS UV Nd:YVO4		BidiLase Technology			
WAVELENGTH	Nanometers	1.064 nm		1.064 nm		1.064 nm		1.064 nm		532 nm		355 nm		355 nm		355 nm		975 nm	
PULSELENGTH	Nanoseconds	3 to 80 ns		3 to 80 ns		3 to 80 ns		3 to 80 ns		2 to 10 ns		0.7 to 3 ns		0.7 to 3 ns		< 18 ns		< 18 ns	
COOLING	Air/Water	Air	Air	Forced Air	Forced Air	Air	Air	Air	Forced Air	Forced Air	Forced Air	Air	Air	Air	Air	Air	Water	Water	Water
	Filtered Blower (200m3/h)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Filtered Blower (350m3/h)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	TCU	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Chiller	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LENSES 1064 nm without BE for XQS Head	M. Area	BD	PD	BD	PD	BD	PD	BD	PD	BD	PD	BD	PD	BD	PD	BD	PD	BD	PD
	WD	FL																	
	60x60	126 mm	100 mm	25	118x4	34	222x20	25	118x4	34	111x10	34	222x20	25	118x4	34	111x10	34	222x20
	100x100	201 mm	160 mm	41	462x5	54	867x2	41	463	54	867x2	41	463	54	867x2	41	463	54	867x2
	160x160	345 mm	254 mm	65	183x5	86	344x1	65	184	86	344x1	65	184	86	344x1	65	184	86	344x1
	212x212	446 mm	346 mm	88	98x7	117	185x1	88	98x7	117	185x1	88	98x7	117	185x1	88	98x7	117	185x1
	242x242	545 mm	420 mm	107	67x1	142	125x9	107	67x1	142	126x6	107	67x1	142	126x6	107	67x1	142	126x6
	325x325	710 mm	570 mm	145	36x5	193	68x4	145	36x5	193	68x4	145	36x5	193	68x4	145	36x5	193	68x4
	560x560	955 mm	820 mm	208	17x6	278	33x0	208	17x6	278	33x0	208	17x6	278	33x0	208	17x6	278	33x0
	BD/dot	PD/dot																	
LENSES 532 nm without BE for XQS Head	M. Area	WD	FL	BD	PD	BD	PD	BD	PD	BD	PD	BD	PD	BD	PD	BD	PD	BD	PD
	58x58	130	90 mm	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	70x70	140	100 mm	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	77x77	190	147 mm	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	110x110	205	160 mm	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	115x115	210	165 mm	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	146x146	325	237 mm	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	227x227	440	329 mm	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	BD/dot	PD/dot																	
	7	1397x3	7	4191x9															
LENSES 355 nm with BE for XQS Head	M. Area	WD	FL	BD	PD	BD	PD	BD	PD	BD	PD	BD	PD	BD	PD	BD	PD	BD	PD
	20x20	95	56 mm	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	65x65	133 mm	103 mm	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	105x105	220 mm	170 mm	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	175x175	347	254 mm	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	195x195	440	330 mm	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	290x290	580	470 mm	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	BD/dot	PD/dot																	
BidiLase Tech LENS	M. Area	WD	FL	BD	PD	BD	PD	BD	PD	BD	PD	BD	PD	BD	PD	BD	PD	BD	PD
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MARKING HEAD		XQS Internal	Std.	Std.	Std.	Std.	Std.	Std.	Std.	Std.	Std.	Std.	Std.	Std.	Std.	Std.	Std.	Std.	Std.
MARKING HEAD ACCESSORIES	Beam Exit at 0°	Opt.	Opt.	Opt.	Opt.	Opt.	Opt.	Opt.	Opt.	Opt.	Opt.	Opt.	Opt.	Opt.	Opt.	Opt.	Opt.	Opt.	Opt.
	Beam Exit at 90°	Std.	Std.	Std.	Std.	Std.	Std.	Std.	Std.	Std.	Std.	Std.	Std.	Std.	Std.	Std.	Std.	Std.	Std.
	Focal Distance Indicator	Opt.	Opt.	Opt.	Opt.	Opt.	Opt.	Opt.	Opt.	Opt.	Opt.	Opt.	Opt.	Opt.	Opt.	Opt.	Opt.	Opt.	Opt.
	Marking Area Indicator	Std.	Std.	Std.	Std.	Std.	Std.	Std.	Std.	Std.	Std.	Std.	Std.	Std.	Std.	Std.	Std.	Std.	Std.
CONTROL	Touch Screen TSL-V3	Opt.	Opt.	Opt.	Opt.	Opt.	Opt.	Opt.	Opt.	Opt.	Opt.	Opt.	Opt.	Opt.	Opt.	Opt.	Opt.	Opt.	Opt.
	Touch Screen TSL-V3 IP65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	PC with Marca Software	Opt.	Opt.	Opt.	Opt.	Opt.	Opt.	Opt.	Opt.	Opt.	Opt.	Opt.	Opt.	Opt.	Opt.	Opt.	Opt.	Opt.	Opt.
	MarcaTouch OS 2.00	Std.	Std.	Std.	Std.	Std.	Std.	Std.	Std.	Std.	Std.	Std.	Std.	Std.	Std.	Std.	Std.	Std.	Std.
SOFTWARE	ScanLinux	Opt.	Opt.	Opt.	Opt.	Opt.	Opt.	Opt.	Opt.	Opt.	Opt.	Opt.	Opt.	Opt.	Opt.	Opt.	Opt.	Opt.	Opt.
	TCP/IP Protocol	Opt.	Opt.	Opt.	Opt.	Opt.	Opt.	Opt.	Opt.	Opt.	Opt.	Opt.	Opt.	Opt.	Opt.	Opt.	Opt.	Opt.	Opt.
	Profinet Protocol	Std.	Std.	Std.	Std.	Std.	Std.	Std.	Std.	Std.	Std.	Std.	Std.	Std.	Std.	Std.	Std.	Std.	Std.
	OPC-UA Protocol	Opt.	Opt.	Opt.	Opt.	Opt.	Opt.	Opt.	Opt.	Opt.	Opt.	Opt.	Opt.	Opt.	Opt.	Opt.	Opt.	Opt.	Opt.
	Marca Full Graphics PC Softw.	Opt.	Opt.	Opt.	Opt.	Opt.	Opt.	Opt.	Opt.	Opt.	Opt.	Opt.	Opt.	Opt.	Opt.	Opt.	Opt.	Opt.	Opt.
	Internal Barcode Generator	Opt.	Opt.	Opt.	Opt.	Opt.	Opt.	Opt.	Opt.	Opt.	Opt.	Opt.	Opt.	Opt.	Opt.	Opt.	Opt.	Opt.	Opt.
SAFETY	ElectroMechanical Shutter	Opt.	Opt.	Opt.	Opt.	Opt.	Opt.	Opt.	Opt.	Opt.	Opt.	Opt.	Opt.	Opt.	Opt.	Opt.	Opt.	Opt.	Opt.
	Performance Level d Safety Kit	Opt.	Opt.	Opt.	Opt.	Opt.	Opt.	Opt.	Opt.	Opt.	Opt.	Opt.	Opt.	Opt.	Opt.	Opt.	Opt.	Opt.	Opt.

19" rack option available under request

LASERS FOR PACKAGING MARKETS

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/cm^2 Given WD values are approximate / Specifications subject to change without notice / 19" rack option available under request

Cooling and Warming Options

- Software, Control and Communications**
 Marca Software for PC
 Touch Screen for SE/DE
 Touch Screen IP65 for WD
 Touch Screen IP65+ with command buttons for WD
 Profinet & OPC-UA

Flange 100 mm
Flange 200 mm
Flange 300 mm

- Photocell Kit
- Encoder Kit
- Alarm Beacon Kit
- Signal Connectors
- Diode Pointer
- Focal Distance Finder
- WorkStation iLASERBOX
- Fume Extractor system
- Laser Support Floor Stand
- Touch Screen Support

- Electromechanical Shutter
- Performance Level d Safety Kit
- Lens Protection
- Protection Window
- Safety Googles

