

YAG

FIBER



D Series: DPSS YAG lasers designed for heavy duty industrial marking. D series lasers are effective on a wide range of plastics and metals.



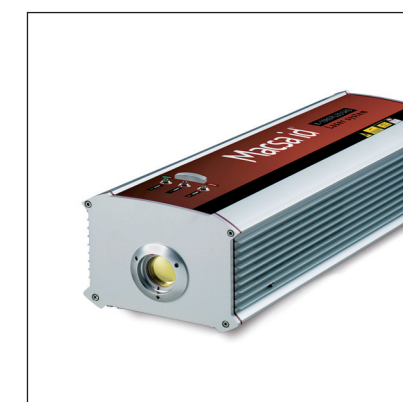
F Series: pulsed fiber lasers designed for industrial marking. F Series lasers may also be configured for coding film and foil flexible packaging.

	NANO					D SERIES			F SERIES						
	D		F			PULSED			FILM						
SYSTEM															
System Type	NANO-D 6000P	NANO-D 6000A	NANO-D 6020	NANO-F 6010	NANO-F 6020	D-5010	D-5020	D-5000 GREEN	F-9010	F-9020	F-9030	F-9050 UHS	F-9010 Film UHS	F-9020 Film UHS	F-9050 Film UHS
Power	4W	6W	20W	10W	20W	10W	20W	6W	10W	20W	30W	50W	10W	20W	50W
COOLING															
Type	Air	Air	Air	Air	Air	Air	Air	Air	Air	Air	Air	Air	Air	Air	Air
Power	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OPTICS															
mm mm mm	BD PD	BD PD	BD PD	BD PD	BD PD	BD PD	BD PD	BD PD	BD PD	BD PD	BD PD	BD PD	BD PD	BD PD	BD PD
□ 55 WD 128 FL 100	27 1387.5	27 2081	27 6938	27 3481.9	27 6963.7	27 3468.8	27 6937.6	14 8325.1	27 3481.9	27 6963.7	27 10445.6	27 17409.3	27 3481.9	27 6963.7	27 17409.3
□ 100 WD 205 FL 162	44 528.7	44 793	44 2648	44 1326.7	44 2653.4	44 1321.7	44 2643.5	22 3172.2	44 1326.7	44 2653.4	44 3980.2	44 6633.6	44 1326.7	44 2653.4	44 6633.6
□ 160 WD 321 FL 254	69 215.1	69 323	69 1075	69 539.7	69 1079.4	69 537.7	69 1075.3	34 1290.4	69 539.7	69 1079.4	69 1619.1	69 2698.4	69 539.7	69 1079.4	69 2698.4
□ 200 WD 427 FL 346	94 -	94 174	94 578	94 290.8	94 581.7	94 289.8	94 579.5	47 695.4	94 290.8	94 581.7	94 872.5	94 1454.2	94 290.8	94 581.7	94 1454.2
MARKING HEAD															
Beam Expander (for SPI)	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
Split Head	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beam Exit at 0°	-	-	-	-	-	Standard	Standard	-	-	-	-	-	-	-	-
Beam Exit at 90°	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
Marking area indicator	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Optional	Optional	Optional
CONTROL															
by Hand Held Terminal	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
by Touch Screen	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
by External PC	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
SOFTWARE															
Crystal font	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
MARCA LITE	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
Marca Full Graphics Interface	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
21CFR Part 11	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
Internal Barcode Generator	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
iLASERBOX COMPATIBLE SYSTEM															
iLASERBOX 460C Compact Automatic	Yes	Yes	Yes	Yes	Yes	No	No	No	No	No	No	No	No	No	No
iLASERBOX 460C Compact Manual	Yes	Yes	Yes	Yes	Yes	No	No	No	No	No	No	No	No	No	No
iLASERBOX 480R Rack Automatic	No	No	No	No	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
iLASERBOX 480R Rack Manual	No	No	No	No	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
OPTIONS															
9,3 microns	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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PRODUCTS FOR THE PACKAGED GOODS AND INDUSTRIAL MARKETS

PRODUCT RANGE QUICK GUIDE



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PRODUCT RANGE QUICK GUIDE

CO₂



iCON Series: specialist small character coding lasers. iCON lasers offer a clean, versatile and cost effective alternative to inkjet.



K Series: general purpose CO₂ lasers for coding packaged goods and marking industrial products. K Series lasers are available in several variants.



S Series: variants of the K Series with a small detached laser head. S Series lasers are ideal for installation where access is restricted.

		iCON SERIES				K SERIES												HPD		S SERIES								
		iCON		iCON net		SP net		PLUS		PLUS UHS				PLUS IP65				HPD		S SERIES								
SYSTEM	System Type	i-1010	i-1030	i-1010.net	i-1030.net	K-1010 SP net	K-1030 SP net	K-1010 PLUS	K-1030 PLUS	K-1010 PLUS UHS	K-1030 PLUS UHS	K-1060 PLUS UHS	K-1080 PLUS UHS	KIP-1010 PLUS IP65	KIP-1030 PLUS IP65	KIP-1080 PLUS UHS IP65	K-1030 HPD	K-1100 HDP	S-3010 PLUS	S-3030 PLUS UHS	S-3060 PLUS UHS	S-3100 PLUS UHS	S-3200 PLUS UHS					
	Power	10W	30W	10W	30W	10W	30W	10W	30W	10W	30W	60W	80W	10W	30W	80W	30W	100W	10W	30W	60W	100W	200W					
COOLING	Type	Air	Air	Air	Air	Air	Air	Air	Air	Air	Air	Air	Air	Compressed Air	Compressed Air	Air	Air	Air	Air	Air	Air	Air	Air					
	Power	-	-	-	-	-	-	-	-	-	-	-	-	360 kcal/h	690 kcal/h	-	-	-	-	-	-	-	-					
OPTICS	mm	mm	mm	mm	BD	PD	BD	PD	BD	PD	BD	PD	BD	PD	BD	PD	BD	PD	BD	PD	BD	PD	BD	PD	BD	PD		
	□ 35	WD 95	FL 100		324	24.3	324	72.8	324	24.3	324	72.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	□ 60	WD 85	FL 95		-	-	-	-	385	17.2	385	51.6	192	68.8	192	206.5	256	116.2	256	232.4	256	309.8	128	464.7	-	-	-	
	□ 75	WD 115	FL 125		-	-	-	-	506	9.9	506	29.8	253	39.8	253	119.3	337	22.4	337	67.1	337	134.2	337	178.9	169	268.4	169	894.7
	□ 100	WD 150	FL 160		-	-	-	-	648	6.1	648	18.2	324	24.3	324	72.8	432	13.7	432	41	432	81.9	432	109.2	324	24.3	324	72.8
	□ 100	WD 190	FL 200		-	-	-	-	810	3.9	810	11.7	405	15.5	405	46.6	540	8.7	540	26.2	540	52.4	540	69.9	405	15.5	405	46.6
	□ 150	WD 230	FL 240		-	-	-	-	486	10.8	486	32.4	648	6.1	648	18.2	648	6.1	648	18.2	648	36.4	648	48.5	486	10.8	486	32.4
	□ 200	WD 310	FL 320		-	-	-	-	648	6.1	648	18.2	864	3.4	864	10.2	864	20.5	864	20.5	864	27.3	864	27.3	432	41	432	136.5
□ 250	WD 400	FL 410		-	-	-	-	830	3.7	830	11.1	1107	2.1	1107	6.2	1107	12.5	1107	12.5	1107	16.6	1107	16.6	830	3.7	830	11.1	
MARKING HEAD	Beam Expander (for SP)	-	-	-	-	Optional	Optional	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	-	-	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	
	Split Head	-	-	-	-	Optional with BE	Optional with BE	Optional	Optional	Optional	Optional	Optional	Optional	-	-	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	
	Beam Exit at 0°	-	-	-	-	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Optional	Optional	Optional	-	-	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	
	Beam Exit at 90°	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	
Marking area indicator	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional		
CONTROL	by Hand Held Terminal	-	-	-	-	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	
	by Touch Screen	Standard	Standard	Standard	Standard	Optional	Standard	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	
	by External PC	-	-	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	
SOFTWARE	Crystal font	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	
	MARCA LITE	-	-	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	
	Marca Full Graphics Interface	-	-	-	-	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	
	21CFR Part 11 Internal Barcode Generator	-	-	-	-	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	
iLASERBOX COMPATIBLE SYSTEM	iLASERBOX 460C Compact Automatic	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	
	iLASERBOX 460C Compact Manual	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	
	iLASERBOX 480R Rack Automatic	No	No	No	No	No	No	No	No	No	No	Yes	Yes	No	No	No	No	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
	iLASERBOX 480R Rack Manual	No	No	No	No	No	No	No	No	No	No	Yes	Yes	No	No	No	No	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
OP-TIONS	9,3 microns	-	-	-	-	Optional	-	Optional	-	Optional	Optional	Optional	-	Optional	Optional	Optional	Optional	-	Optional	Optional	Optional	Optional	-	Optional	Optional	Optional		

Specifications subjects to change without notice.

Standard FL= Focal Length in mm WD= Working Distance in mm BD= Beam Diameter in microns PD= Power Density in KW/cm² □= Marking area in mm

USER INTERFACE

- 1. Handheld Terminal:** industrial environment interface connected via RS232 to control the Scanlinux software.
- 2. Touch Screen:** industrial friendly touch screen terminal to control the Scanlinux software.

- 3. IP65 Touch Screen:** water and dust proof industrial terminal to control the Scanlinux software.
- 4. Personal Computer:** ethernet TCP/IP connection to the laser system for remote control and full graphic capabilities.



SOFTWARE

- 1. Scanlinux:** internal software running on Linux for laser system management.
- 2. MARCA LITE:** external PC based software for static and dynamic applications via ethernet interface. Capable of managing simple or variable text with different fonts and some graphics.

- 3. MARCA™:** full version of external PC based software for static and dynamic applications via ethernet interface. Powerful design editing for the entire marking area being capable of importing any kind of graphical format and design.

