



# Laser coding systems

Product range





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



## laserSYSTEM

		CO <sub>2</sub>									
		iCON Series				K Series					
		iCON		iCON net		SP net		PLUS		PLUS UHS	
<b>System</b>											
System Type		i-1010	i-1030	i-1010.net	i-1030.net	K-1010	K-1030	K-1010	K-1030	K-1010	K-1030
Power		10 W	30 W	10 W	30 W	10 W	30 W	10 W	30 W	10 W	30 W
<b>Cooling</b>											
Type		Air	Air	Air	Air	Air	Air	Air	Air	Air	Air
Power		-	-	-	-	-	-	-	-	-	-
<b>Optics</b>											
mm	mm	BD	PD	BD	PD	BD	PD	BD	PD	BD	PD
□35	WD 95	324	24.3	324	72.8	324	24.3	324	72.8	-	-
□60	WD 85	-	-	-	-	385	17.2	385	51.6	192	68.8
□75	WD 115	-	-	-	-	506	9.9	506	29.8	253	39.8
□90	WD 150	-	-	-	-	648	6.1	648	18.2	324	24.3
□100	WD 190	-	-	-	-	810	3.9	810	11.7	405	15.5
□150	WD 230	-	-	-	-	-	-	-	-	486	10.8
□200	WD 310	-	-	-	-	-	-	-	-	648	6.1
□250	WD 400	-	-	-	-	-	-	-	-	830	3.7
<b>Marking Head</b>											
Beam Expander		-	-	-	-	Optional	Optional	Standard	Standard	Standard	Standard
Split Head		-	-	-	-	-	-	Optional	Optional	Optional	Optional
Beam Exit at 0°		-	-	-	-	Standard	Standard	Standard	Standard	Standard	Standard
Beam Exit at 90°		Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
Marking area indicator		Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
<b>Control</b>											
by Hand Held Terminal		-	-	-	-	Optional	Optional	Optional	Optional	Optional	Optional
by Touch Screen		Standard	Standard	Standard	Standard	Optional	Optional	Optional	Optional	Optional	Optional
by External PC		-	-	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
<b>Software</b>											
Crystal font		Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
MARCA LITE		-	-	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
Marca Full Graphic Interface		-	-	-	-	Optional	Optional	Optional	Optional	Optional	Optional
Internal Barcode-Generator		-	-	-	-	Optional	Optional	Optional	Optional	Optional	Optional
<b>iLASERBOX * Compatible System</b>											
iLASERBOX 460C PLUS Compact Automatic		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
iLASERBOX 460C SP Compact Manual		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
iLASERBOX 480R PLUS Rack Automatic		No	No	No	No	No	No	No	No	No	No
iLASERBOX 480R SP Rack Manual		No	No	No	No	No	No	No	No	No	No
<b>Options</b>											
9,3 microns		-	-	-	-	Optional	Optional	Optional	Optional	Optional	Optional

\* Manual workstation

□ = Marking area in mm    WD = Working Distance in mm    BD = Beam Diameter in microns    PD = Power Density in kW/cm<sup>2</sup>

### 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.

K Series: general purpose CO<sub>2</sub> 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.

						S Series																			
						PLUS IP65			CUT		PLUS UHS			CUT											
K-1060	K-1080	KIP-1010	KIP-1030	KIP-1080 PLUS		K-1030 HPD	S-3010	S-3030	S-3060	S-3080	S-3100	S-3100 HPD	S-3200 HPD												
PLUS UHS	PLUS UHS	PLUS IP65	PLUS IP65	UHS IP65		PLUS UHS	PLUS	PLUS UHS	PLUS UHS	PLUS UHS	PLUS UHS	PLUS UHS	PLUS UHS												
60 W	80 W	10 W	30 W	80 W		30 W	10 W	30 W	60 W	80 W	100 W	100 W	200 W												
Air	Air	Compressed Air	Compressed Air	Air		Air	Air	Air	Air	Air	Air	Water	Water												
-	-	360 kcal/h	690 kcal/h	-		-	-	-	-	-	-	-	-												
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												
-	-	-	-	-		-	-	-	-	-	-	-	-												
256	232.4	256	309.8	192	68.8	192	206.5	256	309.8	-	192	68.8	256	116.2	256	232.4	256	309.8	192	688.5	-	-			
337	134.2	337	178.9	253	39.8	253	119.3	337	178.9	128	464	253	39.8	337	67.1	337	134.2	337	178.9	253	397.7	128	1548	128	3096
432	81.9	432	109.2	324	24.3	324	72.8	432	109.2	203	186	324	24.3	432	41	432	81.9	432	109.2	324	242.7	203	620	203	1240
540	52.4	540	69.9	405	15.5	405	46.6	540	69.9	-	-	405	15.5	540	26.2	540	52.4	540	69.9	405	155.3	-	-	-	-
648	36.4	648	48.5	486	10.8	486	32.4	648	48.5	-	-	486	10.8	648	18.2	648	36.4	648	48.5	486	107.9	-	-	-	-
864	20.5	864	27.3	648	6.1	648	18.2	864	27.3	405	47	648	6.1	864	10.2	864	20.5	864	27.3	648	60.7	405	157	405	313
1107	12.5	1107	16.6	830	3.7	830	11.1	1107	16.6	540	26	830	3.7	1107	6.2	1107	12.5	1107	16.6	830	37	540	87	540	173
Standard	Standard	Standard	Standard	Standard		Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard												
Optional	Optional	-	-	Standard		Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard												
Standard	Standard	Optional	Optional	Optional		-	Optional	Optional	Optional	Optional	Optional	Optional	Optional												
Standard	Standard	Standard	Standard	Standard		Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard												
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												
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												
No	No	No	No	No		No	No	No	No	No	No	No	No												
No	No	No	No	No		No	No	No	No	No	No	No	No												
Yes	Yes	No	No	No		No	Yes	Yes	Yes	No	No	No	No												
Yes	Yes	No	No	No		No	Yes	Yes	Yes	No	No	No	No												
Optional	Optional	Optional	Optional	Optional		Optional	Optional	Optional	Optional	Optional	Optional	-	-												

**User interface**

- 1. Handheld Terminal: industrial environment interface connected via RS 232 to control the Scanlinux software.
- 2. Touch Screen: industrial friendly touch screen terminal to control the Scanlinux software.

- 3. IP 65 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.





DN / FN Series lasers are compact and affordable low cost laser coders. They work effectively with a range of plastic and metal substrates.

D Series YAG lasers designed for heavy duty industrial marking. For 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.

**laserSYSTEM**

	YAG						Fiber								
	DN Series			D Series			FN Series		F Series pulsed				Film		
<b>System</b>															
System Type	DN-5004	DN-5006	DN-5020	D-5010	D-5020	D-5000 GREEN	FN-9010	FN-9020	F-9010	F-9020	F-9030	F-9050 UHS	F-9010 CW	F-9020 CW	F-9050 CW
Power	4 W	6 W	20 W	10 W	20 W	6 W	10 W	20 W	10 W	20 W	30 W	50 W	10 W	20 W	50 W
<b>Cooling</b>															
Type	Air	Air	Air	Air	Air	Air	Air	Air	Air	Air	Air	Air	Air	Air	Air
<b>Optics</b>															
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	27 1387.5	27 2081	27 6938	27 3468.8	27 6937.6	14 8325.1	27 3481.9	27 6963.7	27 3481.9	27 6963.7	27 10445.627	17409.3	27 3481.9	27 6963.7	27 17409.3
□100 WD 205	44 528.7	44 793	44 2648	44 1321.7	44 2643.5	22 3172.2	44 1326.7	44 2653.4	44 1326.7	44 2653.4	44 3980.2	44 6633.6	44 1326.7	44 2653.4	44 6633.6
□160 WD 321	69 215.1	69 323	69 1075	69 537.7	69 1075.3	34 1290.4	69 539.7	69 1079.4	69 539.7	69 1079.4	69 1619.1	69 2698.4	69 539.7	69 1079.4	69 2698.4
□200 WD 427	94 -	94 174	94 578	94 289.8	94 579.5	47 695.4	94 290.8	94 581.7	94 290.8	94 581.7	94 872.5	94 1454.2	94 290.8	94 581.7	94 1454.2
<b>Marking Head</b>															
Beam Expander	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
<b>Control</b>															
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
<b>Software</b>															
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 Graphic Interface	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
<b>iLASERBOX * Compatible System</b>															
iLASERBOX 460C Compact Automatic	Yes	Yes	Yes	No	No	No	Yes	Yes	No	No	No	No	No	No	No
iLASERBOX 460C Compact Manual	Yes	Yes	Yes	No	No	No	Yes	Yes	No	No	No	No	No	No	No
iLASERBOX 480R Rack Automatic	No	No	No	Yes	Yes	Yes	No	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes
iLASERBOX 480R Rack Manual	No	No	No	Yes	Yes	Yes	No	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes
<b>Options</b>															
9,3 microns	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

\* Manual workstation

□ = Marking area in mm    WD = Working Distance in mm    BD = Beam Diameter in microns    PD = Power Density in kW/cm<sup>2</sup>

Subject to technical and design changes. E&OE

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