



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 ₂									
		iCON Series				K Series					
		iCON		iCON net		SP net		PLUS		PLUS UHS	
		i-1010	i-1030	i-1010.net	i-1030.net	K-1010	K-1030	K-1010	K-1030	K-1010	K-1030
						SP net	SP net	PLUS	PLUS	PLUS UHS	PLUS UHS
System		10 W	30 W	10 W	30 W	10 W	30 W	10 W	30 W	10 W	30 W
Cooling		Air		Air		Air		Air		Air	
Type		Air		Air		Air		Air		Air	
Power		-		-		-		-		-	
Optics		BD PD		BD PD		BD PD		BD PD		BD PD	
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
		-	-	-	-	-	-	-	-	830	11.1
		-	-	-	-	-	-	-	-	1107	2.1
		-	-	-	-	-	-	-	-	1107	6.2
Marking Head		-		-		Optional		Optional		Standard	
Beam Expander		-		-		Optional		Optional		Standard	
Split Head		-		-		-		-		Optional	
Beam Exit at 0°		-		-		Standard		Standard		Standard	
Beam Exit at 90°		Standard		Standard		Standard		Standard		Standard	
Marking area indicator		Optional		Optional		Optional		Optional		Optional	
Control		-		-		Optional		Optional		Optional	
by Hand Held Terminal		-		-		Optional		Optional		Optional	
by Touch Screen		Standard		Standard		Optional		Optional		Optional	
by External PC		-		Optional		Optional		Optional		Optional	
Software		Standard		Standard		Standard		Standard		Standard	
Crystal font		Standard		Standard		Standard		Standard		Standard	
MARCA LITE		-		Optional		Optional		Optional		Optional	
Marca Full Graphic Interface		-		-		Optional		Optional		Optional	
Internal Barcode-Generator		-		-		Optional		Optional		Optional	
iLASERBOX * Compatible System		Yes		Yes		Yes		Yes		Yes	
iLASERBOX 460C PLUS Compact Automatic		Yes		Yes		Yes		Yes		Yes	
iLASERBOX 460C SP Compact Manual		Yes		Yes		Yes		Yes		Yes	
iLASERBOX 480R PLUS Rack Automatic		No		No		No		No		No	
iLASERBOX 480R SP Rack Manual		No		No		No		No		No	
Options		-		-		Optional		Optional		Optional	
9,3 microns		-		-		Optional		Optional		Optional	

* Manual workstation

□ = Marking area in mm WD = Working Distance in mm BD = Beam Diameter in microns PD = Power Density in kW/cm²

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 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.

					CUT		S Series PLUS UHS				
		PLUS IP65			CUT		S Series PLUS UHS				
K-1060	K-1080	KIP-1010	KIP-1030	KIP-1080 PLUS	K-1030 CUT	S-3100 CUT	S-3010	S-3030	S-3060	S-3080	S-3100
PLUS UHS	PLUS UHS	PLUS IP65	PLUS IP65	UHS IP65	PLUS UHS	PLUS UHS	PLUS	PLUS UHS	PLUS UHS	PLUS UHS	PLUS UHS
60 W	80 W	10 W	30 W	80 W	30 W	100 W	10 W	30 W	60 W	80 W	100 W
Air	Air	Compressed Air	Compressed Air	Air	Air	Water	Air	Air	Air	Air	Air
-	-	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
-	-	-	-	-	-	-	-	-	-	-	-
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	128 1548	253 39.8	337 67.1	337 134.2	337 178.9	253 397.7
432 81.9	432 109.2	324 24.3	324 72.8	432 109.2	203 186	203 620	324 24.3	432 41	432 81.9	432 109.2	324 242.7
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	405 157	648 6.1	864 10.2	864 20.5	864 27.3	648 60.7
1107 12.5	1107 16.6	830 3.7	830 11.1	1107 16.6	540 26	540 87	830 3.7	1107 6.2	1107 12.5	1107 16.6	830 37
Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
Optional	Optional	-	-	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
Standard	Standard	Optional	Optional	Optional	-	Standard	Optional	Optional	Optional	Optional	Optional
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	Standard	Optional	Optional	Optional	Optional	Optional	Optional	Optional
Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
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
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	No	Yes	Yes	Yes	No	No
Yes	Yes	No	No	No	No	No	Yes	Yes	Yes	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				Film		
System															
System Type	DN-5004	DN-5006	DN-5020	D-5010	D-5020	D-5000	FN-9010	FN-9020	F-9010	F-9020	F-9030	F-9050	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
						GREEN						UHS	UHS	UHS	UHS
Cooling															
Type	Air	Air	Air	Air	Air	Air	Air	Air	Air	Air	Air	Air	Air	Air	Air
Optics															
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 10445.6	27 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 350	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
Marking Head															
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
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 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
iLASERBOX * Compatible System															
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
Options															
9,3 microns	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

* Manual workstation

□ = Marking area in mm WD = Working Distance in mm BD = Beam Diameter in microns PD = Power Density in kW/cm²

Subject to technical and design changes. E&OE

KBA-Metronic GmbH
Benzstr. 11
D-97209 Veitshöchheim
Phone +49 (0)931 9085-0
Fax +49 (0)931 9085-100
www.kba-metronic.com
info@kba-metronic.com

Our Agent:

 **KBA**
KBA-Metronic GmbH