

KOENIG & BAUER

Laser iCON2

PACKAGING		
Entry	Advanced	High-End

Extremely reliable

Wide range of applications

Minimal maintenance



we're on it.

Table of contents

Laser marking	2
Material reaction for CO2-Laser	2
Application examples	3
Laser iCON2	4
Software	5
Order code	6
Quality	6
Contact	6

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Laser marking

The quality of industrial markings with lasers depends on the **reaction** of the marked **material** (color, coating, condition) and which laser is used (performance, wavelength).

Material reaction for CO2-Laser

Material group	Material	Wavelength	Reaction	
Foil	Aluminum foil	10,6 µm	+	
	Polyethylene terephthalate (PET)	10,6 µm	0	
	Oriented polypropylene (OPP)	10,6 µm	0	
Glass	Glass	10,6 µm	+	
	Glass fiber	10,6 µm	+	
Wood	Wood	10,6 µm	+	
	Thermo-label	10,6 µm	+	
	Board	10,6 µm	+	
Ceramic	Ceramic	10,6 µm	0	
Plastic	Polypropylene (PP)	10,6 µm	+	
	Low density polyethylene (LDPE)	10,6 µm	+	
	Polystyrene (PS, GPPS, HIPS)	10,6 µm	+	
	Acrylnitril-Butadien-Styrol (ABS)	10,6 µm	0	
	Polyacetal (POM)	10,6 µm	+	
	Polyamide (PA)	10,6 µm	0	
	Polycarbonate (PC)	10,6 µm	0	
	Polyethylene (PET)	10,6 µm	+	
	Polybutylene terephthalate (PBT)	10,6 µm	+	
	Polyvinyl chloride (PVC)	10,6 µm	+	
	Silicon varnished	10,6 µm	0	
	Epoxy resin	10,6 µm	+	
	Phenolic resin	10,6 µm	0	
	Polyurethane	10,6 µm	+	
	Metal	Coated metals	10,6 µm	+
		Metals	10,6 µm	-
	Organic material	Fruits and vegetables	10,6 µm	+
Paper	Paper	10,6 µm	+	
Textile	Textile	10,6 µm	0	
Label	Label	10,6 µm	+	
Cable	Cable	10,6 µm	0	
Tires	Tires	10,6 µm	+	

+ = good
0 = potential
- = bad

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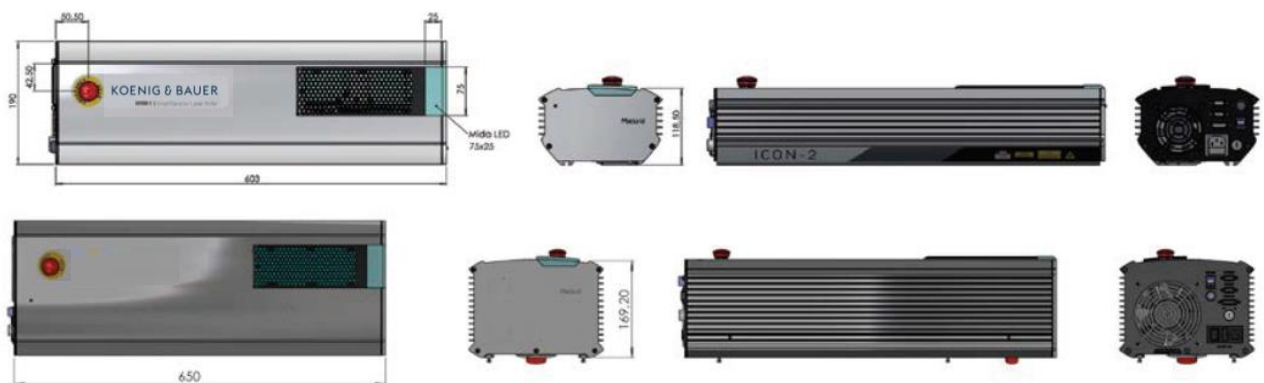
Application examples



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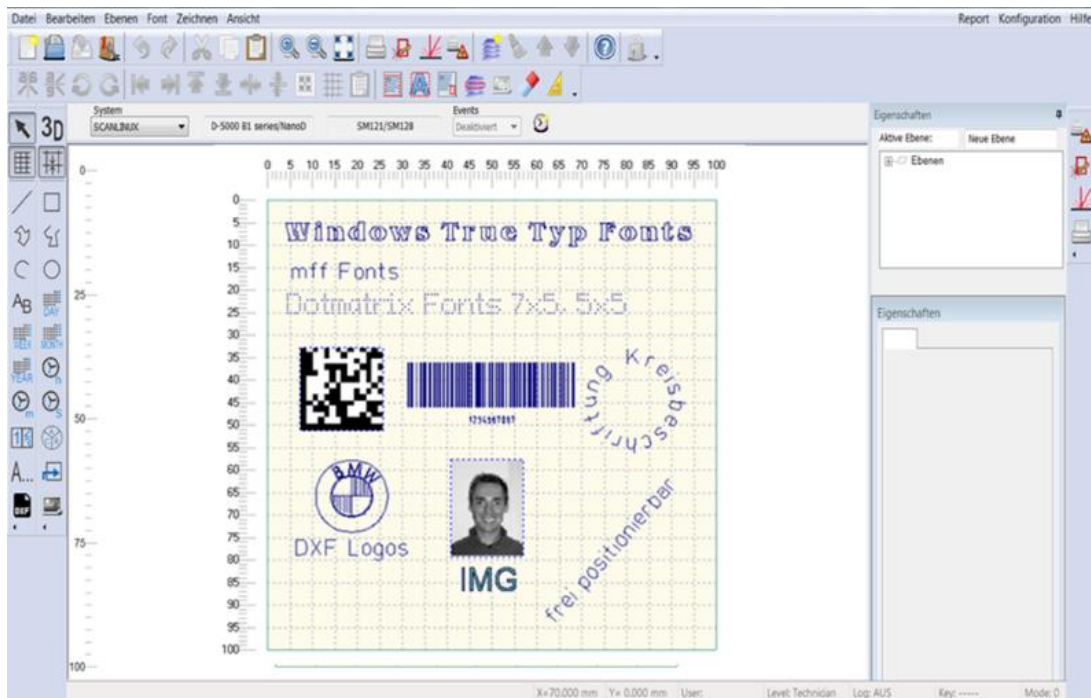
Laser iCON2

Model	iCON2			
Name	LASER_iCON2-S10-B90-EC2-W		LASER_iCON2-S30-B90-EC2-W	
Material number	1040.6499		1040.6500	
Performance level	PL-C		PL-C	
Beam path	90°		90°	
Performance level	10 W		30 W	
Wavelength	10,6 µm		10,6 µm	
Dimensions (A x B x C)	603 x 118,5 x 190 mm		650 x 169,2 x 275 mm	
Weight	10 kg		22 kg	
Protective class	IP 20			
Connection values	115 V / 230 V ; 50 Hz / 60 Hz ; 300 VA (10W), 650 VA (30W)			
Assembly	Laser, control electronics, computer and scanner are integrated in the laser.			
Environment	Temperature + 10° to + 40° C, relative humidity max. 95 %			
Cooling system	Integrated air cooling			
Control	PC-software, pocket terminal, touchscreen terminal			
Interfaces	Ethernet TCP/IP, I/O			
Operating system	ScanLinux V5.2.7			
Speed (1-line)	75 m/min (coding speed can differ depending on size, content and material)			
Lens	Mat. no.	Working space	Working distance	Beam diameter
	Contained in unit	35x35 mm	95 mm	324 µm
Software	1008.3223	Software Marca V5.6.9.a and higher		
	1000.0385	Bar code license		
Accessories	Housing, mounting, stand, encoder, light barrier, extraction, ... (for details see data sheet accessories and extraction)			



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Software



- Marca PC software with windows interface (7, 8, 10)
- WYSIWYG display
- Freely selectable character size and alignment
- Variable date and time formats
- Serial numbering or text passages
- Text list
- Circular marking
- Logos or graphics loaded in DXF or IMG format
- Bar codes, 2D codes
- True Type Fonts, Unicode, MFF Fonts, Crystal Fonts 5x5, 7x5
- Database printing
- Logos and graphics can be created via integrated vector graphic function
- Font Editor
- Multilayer function
- Event handler
- And much more

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Order code

LASER		iCON2		S 10		B 90		E C		2		W	
Typ	LASER	iCON2		S 10		B 90		E C		2		W	
	Lasertyp	iCON2		S 10		B 90		E C		2		W	
Model	iCON2	iCON2		S 10		B 90		E C		2		W	
	Modell	iCON2		S 10		B 90		E C		2		W	
Option	S	iCON2		S 10		B 90		E C		2		W	
	Option	iCON2		S 10		B 90		E C		2		W	
Leistung	10	iCON2		S 10		B 90		E C		2		W	
	10 Watt	iCON2		S 10		B 90		E C		2		W	
	30 Watt	iCON2		S 10		B 90		E C		2		W	
Wellenlänge	B	iCON2		S 10		B 90		E C		2		W	
	10,6 µm	iCON2		S 10		B 90		E C		2		W	
Strahlaustritt	90	iCON2		S 10		B 90		E C		2		W	
	90°	iCON2		S 10		B 90		E C		2		W	
Shutter	E	iCON2		S 10		B 90		E C		2		W	
	Electronic	iCON2		S 10		B 90		E C		2		W	
Performance level	C	iCON2		S 10		B 90		E C		2		W	
	PL-C	iCON2		S 10		B 90		E C		2		W	
Schutzart	Z	iCON2		S 10		B 90		E C		2		W	
	IP20	iCON2		S 10		B 90		E C		2		W	
Beamexpander	W	iCON2		S 10		B 90		E C		2		W	
	Ohne Beamexpander	iCON2		S 10		B 90		E C		2		W	

Quality

ISO-certification by DIN EN ISO 9001-2015

Made in Europe.

Our quality requirements include the process of continuous improvement. Design and technical changes are reserved without previous announcement.

Contact

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