

KOENIG & BAUER

Laser iCON3

PACKAGING		
Entry	Advanced	High-End

Extremely reliable

Wide range of applications

Minimal maintenance



we're on it.

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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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Technical data Laser

ICON3

SET

Laser + Touch Screen



Name	SET_iCON3-10W_TOUCH-SCREEN	SET_iCON3-30W_TOUCH-SCREEN		
Material number	1040.9347	1040.9349		
Beam path	90°	90°		
Power	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 235 mm		
Weight	10 kg (nur Gerät)	22 kg (nur Gerät)		
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, Touchscreen Terminal			
Interfaces	Ethernet TCP/IP, I/O			
Operating system	ScanLinux V5.6.5			
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

Exclusive Touch Screen (laser without Touch Display)

LASER



Power	10W	30W
Namer	LASER_iCON3-S10-B90-EC2-W	LASER_iCON3-S30-B90-EC2-W
Material number	1040.9343	1040.9345



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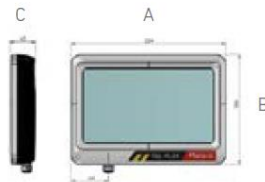
Technical data Touch Screen

Touch Screen

Touch Screen

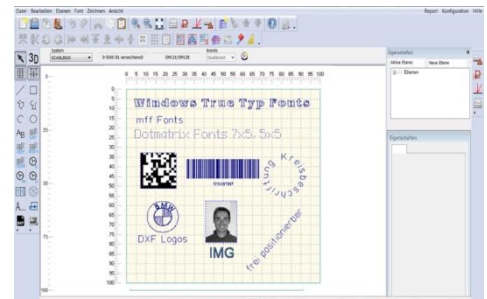


Name	TOUCH SCREEN ICON 3
Material number	1040.9351
Dimensions (A x B x C)	264 x 186 x 45 mm
Typ	Capacitive Touch Screen Display
Size	10,1" / 1064x600
CPU	MX6ULL 800MHz 128MB DDR
Memory	2GB
Voltage	12V
Connection	Ethernet RJ45 + LEMO Connector
Software	MarcaTouch OS 2.0 oder neuer
Cable length	1,5m
Cover	Aluminum
Protection Class	IP54
Environment	Temperature + 10° to + 40° C, relative humidity max. 95 %
Interface	WYSIWYG (What You See Is What You Get)



Software

Software











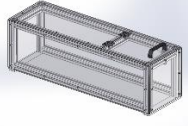





Typ	Touch Software	PC Software
Name	Beim Touch Screen inklusive	MARCA FULL GRAPHIC SOFTWARE
Number	Beim Touch Screen inklusive	1008.3223
Barcodegenerator	1000.3850	1000.3850

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Accessories

(Details, dimensions, drawings on request)

Accessorie	Number	Name	Picture
FLOOR STAND 40X40 ICON2 10W	1040.6653	FLOOR STAND 40X40 ICON2 10W	
FLOOR STAND 80X80	1040.4115	FLOOR STAND 80X80	
FLOOR STAND 80X80; 2 SPINDLES	1040.4095	FLOOR STAND 80X80; 2 SPINDLES	
MOUNTING BRACKET ICON2 10W	1040.4073	MOUNTING BRACKET ICON2 10W	
MOUNTING BRACKET K, DN, ICON	1040.4078	MOUNTING BRACKET K, DN, ICON	
MOUNTING BRACKET TOUCH SCREEN	1040.6640	MOUNTING BRACKET TOUCH SCREEN	
HOUSING ICON2 10W	1040.4209	HOUSING ICON2 10W	
HOUSING ICON2 30W	1040.4210	HOUSING ICON2 30W	
HOUSING ICON2 FOIL LASER 10W	1040.4207	HOUSING ICON2 FOIL LASER 10W	
HOUSING ICON2 FOIL LASER 30W	1040.4208	HOUSING ICON2 FOIL LASER 30W	
HOUSING ICON2 10/30W MAKROLON (adaptation to line may be necessary)	1040.4206	HOUSING ICON2 10/30W MAKROLON	
CONNECT D50MM FÜR ICON2 & K	1040.4211	CONNECT D50MM FÜR ICON2 & K	
FUME EXTRACTOR 400I DIGITAL <500 markings/minute (For details, see data sheet extraction)	1040.6862	FUME EXTRACTOR 400I DIGITAL	
FUME EXTRACTOR 800I DIGITAL >500 markings/minute (For details, see data sheet extraction)	1040.4112	FUME EXTRACTION 800I	

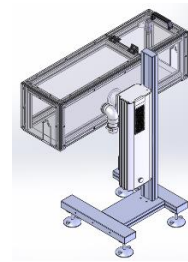
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PHOTOCELL REFLEX SICK 4-130	1007.1993	PHOTOCELL REFLEX SICK 4-130	
SENSOR WENGLOR	1037.8697	SENSOR WENGLOR	
ENCODER 5.000	1007.2167	ENCODER 5.000	
ENCODER 10.000	1007.2178	ENCODER 10.000	
CABLE ENCODER 5M - K	1011.3064	CABLE ENCODER 5M - K	
CABLE ENCODER 10M - K	1037.3808	CABLE ENCODER 10M - K	
FRICTION WHEEL 132	1010.7594	FRICTION WHEEL 132	
FRICTION WHEEL 200	1005.9781	FRICTION WHEEL 200	
FRICTION WHEEL 288	1010.7595	FRICTION WHEEL 288	
FRICTION WHEEL 330	1010.7593	FRICTION WHEEL 330	
FRICTION WHEEL 500	1007.2191	FRICTION WHEEL 500	
FRICTION WHEEL 200	1007.2185	FRICTION WHEEL 200	
ENCODER HOLDER	1007.2194	ENCODER HOLDER	
HOLDER SHAFT / T	1010.4594	HOLDER SHAFT / T	
ENCODER AMPLIFIER	1038.5973	ENCODER AMPLIFIER	
ENCODER ARM	1040.3285	ENCODER ARM	
COUPLING	1000.9345	COUPLING	
ALARM KIT ICON	1040.6658	ALARM KIT ICON	

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Integration on conveyor belt
Individual adaption

On request



FMCG Station

On request

Including laser, housing, conveyor
belt, fume extractor



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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