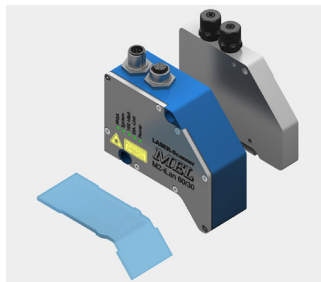


Laser Scanner

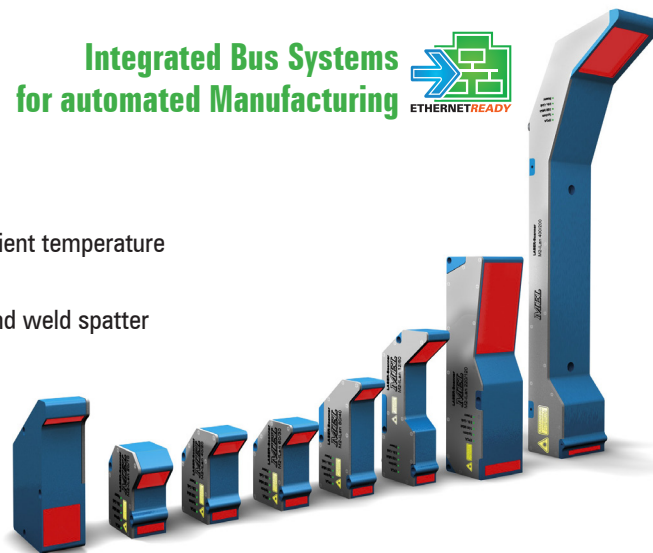
Integrated Bus Systems
for automated Manufacturing



Modular Construction

- >> **Water cooling**
Measurements up to 400°C ambient temperature
- >> **Protection glass**
protects from dust, metal chips and weld spatter

New: M2 Laser Scanner with scan rates of 380 Hz and 700 Hz



M2-iLAN-2 Laser Scanner 100 Hz

M2-iLAN-2		6/4	10/13	20/10	40/20	60/30	80/40	120/60	220/120	400/200
Measuring range Z	[mm]	6	10	20	40	60	80	120	220	400
Range begin Z	[mm]	38.6	65	55	50	53	63	84	115	330
Range begin X	[mm]	4	13	10	20	30	40	60	120	200
End of Range X	[mm]	4.5	15	13	26	40	55	80	160	280
Resolution Z *	[mm]	0.003	0.01	0.02	0.02	0.035	0.045	0.06	0.11	0.2
Resolution X *	[mm]	0.008	0.025	0.02	0.04	0.07	0.09	0.14	0.27	0.48
Linearity		0.2% full scale range			0.2% full scale range			0.2% full scale range		
Scan rate		100 Hz			100 Hz			100 Hz		
Typical applications		Gap control			Weld seam tracking			Surface detection		

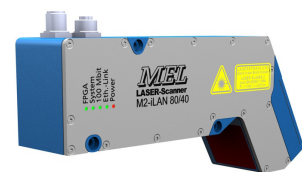
*) Measurement on matt white diffusely reflecting surface

M2-iLAN-2-TL

>> **Optimized for measurement on transparent plastics**

M2-iLAN-2 Laser Scanner 380 Hz / 700 Hz

M2-iLAN-2-F	80/40	220/120
Measuring range Z	80 mm	220 mm
Range begin Z	75 mm	140 mm
Range begin X	40 mm	120 mm
End of range X	55 mm	180 mm
Resolution Z *	0.045 mm	0.11 mm
Resolution X at 380 Hz (700 Hz) *	0.095 mm (0.190 mm)	0.275 mm (0.550 mm)
Linearity	0.2% full scale range	0.2% full scale range
Scan rate	380 Hz / 700 Hz	380 Hz / 700 Hz
Typical applications	Laser weld seam tracking	Adhesive bead check



*) Measurement on matt white diffusely reflecting surface

M2-iLUW

>> **Special Underwater Scanner**

Error and technical modification reserved

UE-Sensor-Scanner_9-02-E

Breslauer Straße 2
D-85386 Eching
www.MELsensor.de

E-Mail: info@MELsensor.de
Tel. +49 (0) 89 / 327 150-0
Fax +49 (0) 89 / 319 20 23

MEL
Intelligent Sensors & Measuring Systems