



profileobserver

2D/3D profile analysis

Complete solution: Sensor, software, data storage, offline tools

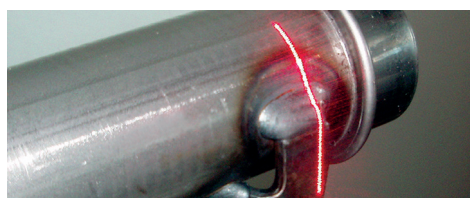
Highest scan rate: Speed up to 30.000 fps at full resolution

Applications: Welding, brazing, adhesive bead inspection

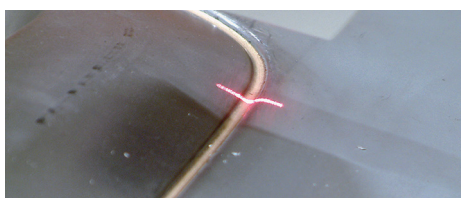
ENGINEERING QUALITY WORLDWIDE

plasmoprofileobserver

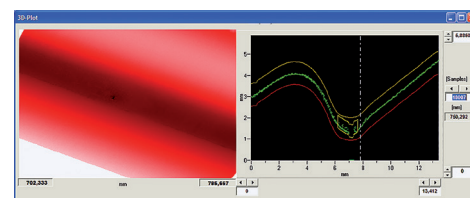
profileobserver	115/81	167/30 + 167/91	309/94
Sensor	CMOS 1536 x 512 px	CMOS 1536 x 512 px	CMOS 1536 x 512 px
Field of view (others on request)	11 x 5 mm	16 x 7 mm	30 x 9 mm
Resolution W x H x scan direction (4kHz, 6m/min)	7 x 10 x 25 µm	10 x 18 x 25 µm	20 x 20 x 25 µm
Measuring distance	81 mm	30 and 91 mm	94 mm
Scanning frequency (higher frequency on request)	typically 4000 Hz at 1536 maximum points		
Digital inputs/outputs	optional 16E/16A		
Interface	DeviceNet, Ethernet IP, Can Bus, RSLinx, Profibus, Profinet, Interbus, TwinCAT ADS		
Air humidity	max. 93 % at 104° F		
Operating temperature	50° F up to 122° F		
Power supply	12-24V DC 8W 1.25A		
Dimensions	60 x 66 x 240 mm (380 mm with LWL converter)		
Weight	2.0 kg (2.5 kg with LWL converter)		
Vibration	2g/20Hz-500Hz (IEC 68-2-6)		
Shock test	5g/6ms (IEC 68-2-29)		
Degree of protection	IP 53 (optional IP 64)		



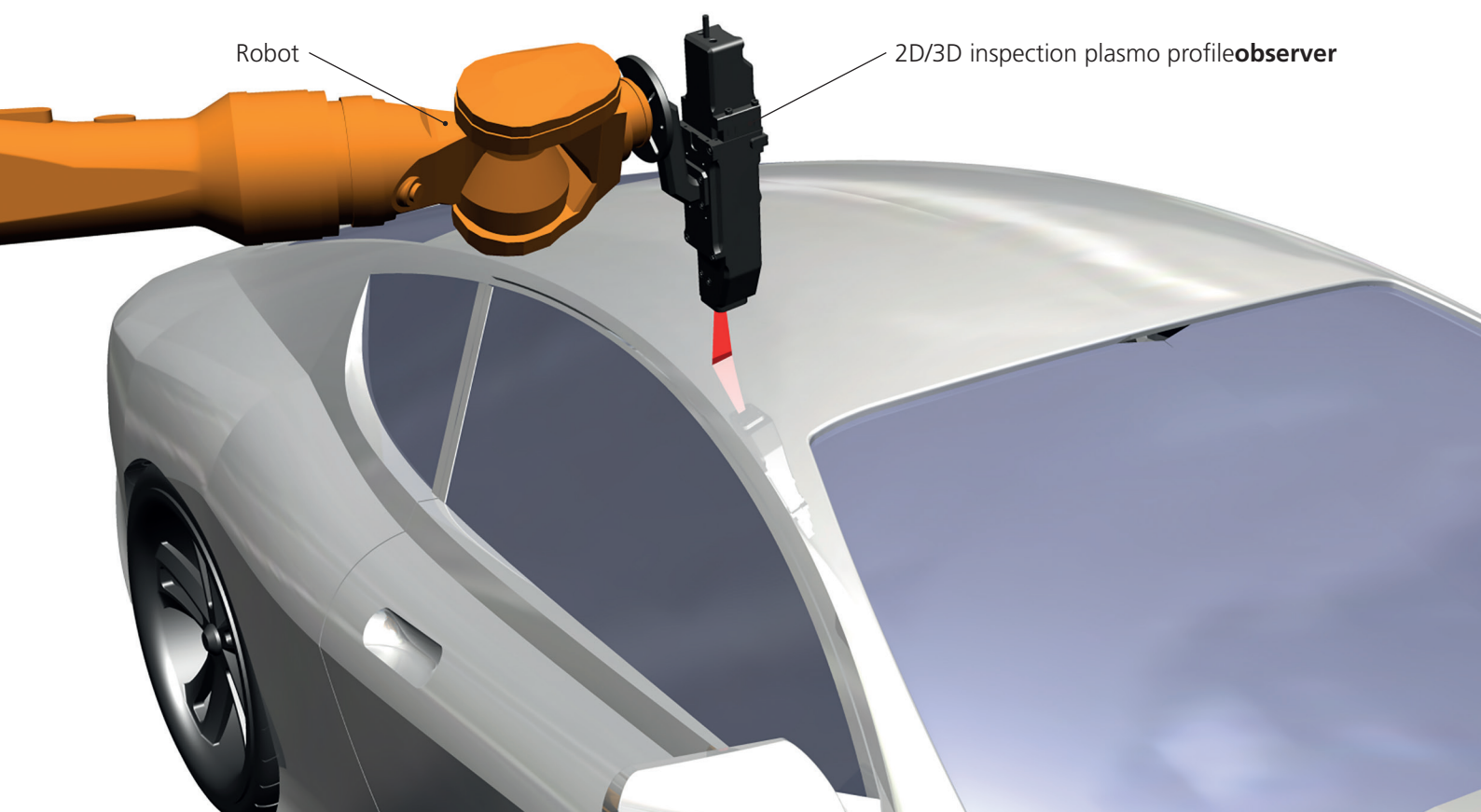
MIG/MAG-check



Soldered seam monitoring



plasmO-software for evaluation



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