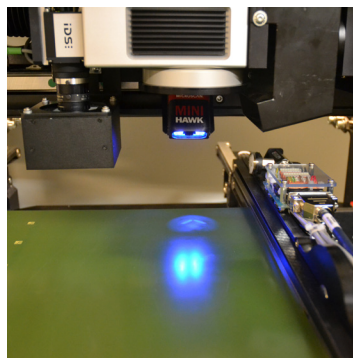
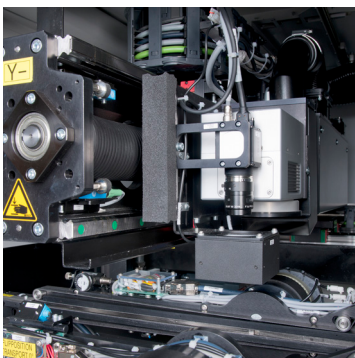


FlexMarker II Laser Marking System



- High volume - high mix in-line laser marking
- Moveable laser, fixed transport
- Ultra wide marking field processing
- User friendly HMI (TS1)
- CO2, Fiber, YAG, UV Laser
- PCB or carrier transport
- Fast PCB exchange time
- Optional Integrated Flip Unit



FlexMarker II

Laser Marking System

PCB Specification			
PCB Width:	50 - 522 mm (460 mm with integrated flip unit)		
PCB Length:	50 - 522 mm (460 mm with integrated flip unit)		
PCB Ratio:	0,8 (length ≥ 0,8 x width)		
PCB Thickness:	0,8 - 4 mm		
Component height (top side):	max. 40 mm		
Component height (bottom side):	max. 40 mm (25 mm with fixed transport)		
PCB Edge support:	2,0 - 4,5 mm adjustable (optional carrier edge support 10 mm)		
PCB Weight:	2,5 kg		
Process Specification			
Laser:	CO ₂	Fiber	YAG
Field of view:	100 x 100	110 x 110 mm	110 x 110 mm
Field of marking:	522 x 522 mm	522 x 522 mm	522 x 522 mm
Position accuracy:	± 0,1 mm		
Technical Specification			
PCB Exchange time	< 4 sec		
PCB Transport speed:	300 - 700 mm/sec		
Transport height:	830 - 980 mm / 940 - 965 mm		
Transport direction:	L ⇒ R, R ⇒ L (to be specified at time of order)		
Controller:	BeckHoff		
Energy requirements:	3 x 400 V + N or 3 x 208 V, 5 kVA max		
Compressed air:	6 - 20% bar, according to DIN ISO 8573 3.4.5		
Color:	RAL 7035 ESD Safe		
Dimensions (L x D x H):	850 x 1.550 x 1.500 mm		
Weight:	1.040 kg		
Interface:	TS1		
Standards:	CE, SMEMA, Laser class 1		
Options			
	SMEMA transport height (950 ± 25 mm)		
	Integrated electrical flip unit with PCB thickness compensation (FOV 90 x 90 mm)		
	PCB Thickness independent clamping		
	Automatic width adjustment		
	1D/2D Reader		
	Verify@Mark		
	Fiducial recognition / alignment		
	Board orientation		
	Bad part recognition		
	Fume extraction system		
	Network interface to customer database		

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