Image processing

Technical data

TRUMPF

	Image processing for cutting and welding applications	Image processing for marking applications
CONFIGURATION		
SYSTEMS AVAILABLE	TruLaser Station 5005, TruLaser Cell 3000	TruMark Station 5000
AVAILABLE LASERS	TruDiode, TruDisk, TruFiber, TruPulse	TruMark Series 3000/5000, TruMicro Mark 2000
VERFÜGBARE OPTIONEN	Basic, Detect, Project Adjust (TruLaser Cell 3000)	Adjust, Detect, Trace, Trace Pro
AVAILABLE FOCAL LENGTHS	150 / 200 mm (FocusLine Professional) 150 / 200 / 250 mm (WeldLine Modular) 150 / 200 / 250 / 300 mm (BEO D50) 200 / 300 mm (BEO D70) 90 / 135 / 160 / 264 mm (PFO 20-2) 255 / 345 / 450 mm (PFO 33-2) 255 / 450 mm (PFO 3D-2)	160 / 163 / 254 mm (TruMark) 160 mm (TruMicro Mark)
LIGHTING	LED, λ = 625 nm	LED, λ = 850 nm
PARAMETERS		
SMALLEST READABLE DMC MODULE SIZE	-	30 µm
SUPPORTED CODES	-	4-state, BC412, Codabar, Code 30, Code 93, Code 128, EAN 8, EAN 13, EAN 4, GS1-128, GS1 Databar, Industrial 2/5, Interleaved 2/5, UPC-A, UPC-E, Data Matrix, QR, Aztec, PDF417, Maxicode, OCR/OCV
TYP. IMAGE PROCESSING TIME	100 ms - 150 ms	200 ms
TYP. PRECISION OF THE WORKING DISTANCE SEARCH	± 50 µm with f = 150 mm (TruLaser Cell 3000)	± 150 µm (TruMark) ± 50 µm (TruMicro Mark)
TYP. PRECISION OF THE POSITION RECOGNITION	± 20 µm in the image center	± 20 µm in the image center