

TRUMPF



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, TruMark Station 7000
AVAILABLE LASERS	TruDiode, TruDisk, TruFiber, TruPulse	TruMark Series 3000/5000, TruMicro Mark 2000
AVAILABLE OPTIONS	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) 255 / 345 / 450 mm (PFO 33-2) 255 / 450 mm (PFO 3D-2)	160 / 163 / 254 mm (TruMark)
LIGHTING	LED, $\lambda = 625$ nm	LED, $\lambda = 850$ nm

PARAMETERS

SMALLEST READABLE DMC MODULE SIZE	-	30 μ m
SUPPORTED CODES	-	BC412, Codabar, Code 39, 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
SUPPORTED FONTS	-	System Font (Arial, Calibri, Cambria, Courier, Times New Roman) Machine Font (various Windows fonts such as OCR-A, OCR-B or Helvetia)
TYP. IMAGE PROCESSING TIME	80 ms - 150 ms	200 ms
TYP. PRECISION OF THE WORKING DISTANCE SEARCH	± 50 μ m with $f = 150$ mm (TruLaser Cell 3000)	± 50 μ m (TruMicro Mark)
TYP. PRECISION OF THE POSITION RECOGNITION	± 20 μ m in the image center	± 20 μ m in the image center

Subject to changes. The information in our offer and our order confirmation is definitive.