



# Image processing

Technical data

## 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, $\lambda = 625 \text{ nm}$	LED, $\lambda = 850 \text{ nm}$

### PARAMETERS

SMALLEST READABLE DMC MODULE SIZE	-	30 $\mu\text{m}$
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	$\pm 50 \mu\text{m}$ with $f = 150 \text{ mm}$ (TruLaser Cell 3000)	$\pm 150 \mu\text{m}$ (TruMark) $\pm 50 \mu\text{m}$ (TruMicro Mark)
TYP. PRECISION OF THE POSITION RECOGNITION	$\pm 20 \mu\text{m}$ in the image center	$\pm 20 \mu\text{m}$ in the image center

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