



# 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, 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 $\mu$ 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	80 ms - 150 ms	200 ms
TYP. PRECISION OF THE WORKING DISTANCE SEARCH	$\pm 50$ $\mu$ m with $f = 150$ mm (TruLaser Cell 3000)	$\pm 50$ $\mu$ m (TruMicro Mark)
TYP. PRECISION OF THE POSITION RECOGNITION	$\pm 20$ $\mu$ m in the image center	$\pm 20$ $\mu$ m in the image center

Subject to changes. The details in our offer and order confirmation are definitive.