



Image processing

Technical data

Image processing for cutting and welding applications

Image processing for marking applications

CONFIGURATION		
SYSTEMS AVAILABLE	TruLaser Cell 3000	TruMark Station 5000, TruMark Station 7000
AVAILABLE LASERS	TruDiode, TruDisk, TruFiber, TruPulse	TruMark Series 3000/5000, TruMicro Mark 2000, TruMark 6030 G2
AVAILABLE OPTIONS	Basic, Detect, Project Adjust (TruLaser Cell 3000)	Adjust, Detect, Model, Code, OCR
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	-	Kundenseitig oder 2- / 4- Beleuchtungsleisten ¹
PARAMETERS		
SMALLEST READABLE DMC MODULE SIZE	-	30 µm
SUPPORTED CODES	-	1D Codes (BC412, Codabar, Code 39, Code 93, Code 128, EAN 8, EAN 13, EAN 14, GS1-128, GS1 Databar, Industrial 2 of 5, Interleaved 2 of 5, UPC-A, UPC-E) 2D Codes (Data Matrix Code, QR Code, Aztec Code, PDF417 Code, Maxicode) 1D and 2D Code Industrial Grading
SUPPORTED FONTS	-	System Font (Arial, Calibri, Cambria, Courier, Times New Roman) Machine Font (various non-Windows fonts such as OCR-A, OCR-B or Helvetica) No curved fonts
TYP. IMAGE PROCESSING TIME	80 ms - 150 ms	200 ms
TYP. PRECISION OF THE WORKING DISTANCE SEARCH	± 50 µm with f = 150 mm (TruLaser Cell 3000)	± 50 µm (TruMicro Mark)
TYP. PRECISION OF THE POSITION RECOGNITION	± 20 µm in the image center	± 20 µm in the image center

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

Footnotes

1 — VisionLine OCR funktioniert ohne Beleuchtung nicht korrekt. Bei kundenseitiger Beleuchtung muss eine ausreichende Beleuchtungsstärke durch geeignete LEDs in der Wellenlänge 850 nm, beziehungsweise 630 nm bei den Markiersystemen TruMark 3230 und TruMark 3330, sichergestellt werden.