



TruMark Series 5000

Technical data

TruMark 5020

TruMark 5040

TruMark 5050

LASER PARAMETERS

BEAM QUALITY (M ²)	< 2	< 3.7	≤ 1.6
WAVELENGTH	1062 nm ± 3 nm	1062 nm ± 3 nm	1062 nm ± 3 nm
PULSE REPETITION FREQUENCY	cw, cwm, 1 kHz - 1000 kHz	cw, cwm, 1 kHz - 1000 kHz	cw, cwm, 1 kHz - 1000 kHz
MIN. FOCAL DIAMETER	41 µm with focal length 4 in.	70 µm with focal length 4 in.	36 µm with focal length 4 in.
MAX. INTERNAL FOCAL POSITION CONTROL	± 60 mm with focal length 16.5 in.	± 60 mm with focal length 16.5 in.	± 60 mm with focal length 16.5 in.
MAX. MARKING FIELD SIZE	290 mm x 290 mm with focal length 16.5 in.	290 mm x 290 mm with focal length 16.5 in.	290 mm x 290 mm with focal length 16.5 in.

STRUCTURAL DESIGN

DIMENSIONS OF LASER HEAD (W X H X D)	414 mm x 131 mm x 147 mm	414 mm x 131 mm x 157 mm	414 mm x 131 mm x 147 mm
DIMENSIONS OF SUPPLY UNIT (W X H X D)	445 mm x 550 mm x 420 mm	445 mm x 550 mm x 420 mm	445 mm x 550 mm x 420 mm

INSTALLATION

PROTECTION TYPE	IP54	IP54	IP54
AMBIENT TEMPERATURE	15 °C - 40 °C	15 °C - 40 °C	15 °C - 40 °C

TruMark 5070

LASER PARAMETERS

BEAM QUALITY (M ²)	< 3.7
WAVELENGTH	1062 nm ± 3 nm
PULSE REPETITION FREQUENCY	cw, cwm, 1 kHz - 1000 kHz
MIN. FOCAL DIAMETER	70 µm with focal length 4 in.
MAX. INTERNAL FOCAL POSITION CONTROL	± 60 mm with focal length 16.5 in.
MAX. MARKING FIELD SIZE	290 mm x 290 mm with focal length 16.5 in.

STRUCTURAL DESIGN

DIMENSIONS OF LASER HEAD (W X H X D)	414 mm x 131 mm x 157 mm
DIMENSIONS OF SUPPLY UNIT (W X H X D)	445 mm x 550 mm x 420 mm

INSTALLATION

PROTECTION TYPE	IP54
AMBIENT TEMPERATURE	15 °C - 35 °C