



# TruMark Series 3000

Technical data

**TruMark 3330****TruMark 3020****TruMark 3130****LASER PARAMETERS**

BEAM QUALITY (M <sup>2</sup> )	< 1.5	< 1.5	1.2
WAVELENGTH	355 nm	1064 nm	1064 nm
PULSE REPETITION FREQUENCY	1 kHz - 120 kHz	cw, 1 kHz - 100 kHz	cw, 1 kHz - 100 kHz
MIN. FOCAL DIAMETER	16 µm with focal length 4 in.	30 µm with focal length 4 in.	28 µm with focal length 4 in.
MAX. INTERNAL FOCAL POSITION CONTROL	± 30 mm with focal length 13 in.	± 60 mm with focal length 16.5 in.	± 60 mm with focal length 16.5 in.
MAX. MARKING FIELD SIZE	220 mm x 220 mm with focal length 13 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)	138 mm x 207 mm x 450 mm	138 mm x 138 mm x 380 mm	138 mm x 138 mm x 380 mm
DIMENSIONS OF SUPPLY UNIT (W X H X D)	445 mm x 465 mm x 420 mm	445 mm x 465 mm x 420 mm	445 mm x 465 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 3230****LASER PARAMETERS**

BEAM QUALITY (M <sup>2</sup> )	< 1.2
WAVELENGTH	532 nm
PULSE REPETITION FREQUENCY	1 kHz - 100 kHz
MIN. FOCAL DIAMETER	15 µm with focal length 4 in.
MAX. INTERNAL FOCAL POSITION CONTROL	± 40 mm with focal length 330 mm
MAX. MARKING FIELD SIZE	230 mm x 230 mm with focal length 13 in.

**STRUCTURAL DESIGN**

DIMENSIONS OF LASER HEAD (W X H X D)	138 mm x 138 mm x 380 mm
DIMENSIONS OF SUPPLY UNIT (W X H X D)	445 mm x 465 mm x 420 mm

**INSTALLATION**

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