



TruDiode

Technical data

TruDiode 151**TruDiode 301****TruDiode 603****LASER PARAMETERS**

LASER POWER AT THE WORKPIECE	150 W	300 W	600 W
POWER CONSTANCY AT RATED LASER OUTPUT	± 1 %	± 1 %	± 1 %
CONTINUOUSLY ADJUSTABLE POWER RANGE	3 W - 150 W	6 W - 300 W	12 W - 600 W
BEAM QUALITY	8 mm ■ mrad	8 mm ■ mrad	16 mm ■ mrad
NUMERICAL APERTURE	0.12	0.12	0.12
WAVELENGTH	920 nm - 970 nm	920 nm - 1050 nm	920 nm - 1050 nm
MIN. LASER LIGHT CABLE DIAMETER	150 µm	150 µm	300 µm

STRUCTURAL DESIGN

DIMENSIONS (W X H X D)	-	-	1036 mm x 1250 mm x 709 mm
DIMENSIONS, 19" VERSION (W X H X D)	483 mm x 495 mm x 513 mm	483 mm x 495 mm x 513 mm	-
MAX. NUMBER OF LASER LIGHT CABLES	2	2	4

INSTALLATION

PROTECTION TYPE	-	-	IP54
AMBIENT TEMPERATURE	5 °C - 40 °C	5 °C - 40 °C	5 °C - 45 °C

TruDiode 903**TruDiode 2006****TruDiode 3006****LASER PARAMETERS**

LASER POWER AT THE WORKPIECE	900 W	2000 W	3000 W
POWER CONSTANCY AT RATED LASER OUTPUT	± 1 %	± 1 %	± 1 %
CONTINUOUSLY ADJUSTABLE POWER RANGE	18 W - 900 W	40 W - 2000 W	60 W - 3000 W
BEAM QUALITY	16 mm ■ mrad	30 mm ■ mrad	30 / 50 mm ■ mrad
NUMERICAL APERTURE	0.12	0.2	0.1 / 0.2
WAVELENGTH	920 nm - 1050 nm	920 nm - 1040 nm	920 nm - 1040 nm
MIN. LASER LIGHT CABLE DIAMETER	300 µm	600 µm	600 µm

STRUCTURAL DESIGN

DIMENSIONS (W X H X D)	1036 mm x 1250 mm x 709 mm	870 mm x 1325 mm x 750 mm	870 mm x 1325 mm x 750 mm
DIMENSIONS, 19" VERSION (W X H X D)	-	-	-
MAX. NUMBER OF LASER LIGHT CABLES	4	2	2

INSTALLATION

PROTECTION TYPE	IP54	IP54	IP54
AMBIENT TEMPERATURE	5 °C - 45 °C	10 °C - 50 °C	10 °C - 50 °C

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

TruDiode 4006**TruDiode 5006****TruDiode 6006****LASER PARAMETERS**

LASER POWER AT THE WORKPIECE	4000 W	5000 W	6000 W
POWER CONSTANCY AT RATED LASER OUTPUT	± 1 %	± 1 %	± 1 %
CONTINUOUSLY ADJUSTABLE POWER RANGE	80 W - 4000 W	100 W - 5000 W	120 W - 6000 W
BEAM QUALITY	30 / 50 mm ■ mrad	50 mm ■ mrad	50 mm ■ mrad
NUMERICAL APERTURE	0.1 / 0.2	0.2	0.2
WAVELENGTH	920 nm - 1040 nm	920 nm - 1040 nm	920 nm - 1040 nm
MIN. LASER LIGHT CABLE DIAMETER	600 µm	600 µm	600 µm

STRUCTURAL DESIGN

DIMENSIONS (W X H X D)	870 mm x 1325 mm x 750 mm	870 mm x 1325 mm x 750 mm	870 mm x 1325 mm x 750 mm
DIMENSIONS, 19" VERSION (W X H X D)	-	-	-
MAX. NUMBER OF LASER LIGHT CABLES	2	2	2

INSTALLATION

PROTECTION TYPE	IP54	IP54	IP54
AMBIENT TEMPERATURE	10 °C - 50 °C	10 °C - 50 °C	10 °C - 50 °C