



TruLaser Cell Series 1000

Technical data



TruLaser Cell 1100 (CO₂-Laser)

TruLaser Cell 1100

AXIS TRAVEL RANGE

X AXIS TRAVEL RANGE	300/500 mm	300/500 mm
Z AXIS TRAVEL RANGE	300/500 mm	300/500 mm
B AXIS TRAVEL RANGE	± 100 °	± 100 °
Q AXIS TRAVEL RANGE (WELDING GAP POSITION CORRECTION)	± 25 mm	
Q AXIS TRAVEL RANGE (WELD JOINT POSITION CORRECTION)		± 25 mm

MAXIMUM AXIS SPEEDS

MAX AXIS SPEED, AXIALLY PARALLEL IN X	30 m/min	
MAX AXIS SPEED, AXIALLY PARALLEL IN Z	30 m/min	
MAX. AXIS SPEED OF Q AXIS (WELDING GAP POSITION CORRECTION)	3 m/min	
MAXIMUM AXIS SPEED, AXIALLY PARALLEL IN X		30 m/min
MAXIMUM AXIS SPEED, AXIALLY PARALLEL IN Z		30 m/min
MAXIMUM AXIS SPEED OF Q AXIS (WELD JOINT POSITION CORRECTION)		3 m/min

MAX. AXIS ACCELERATION

MAX. AXIS ACCELERATION, AXIALLY PARALLEL IN X	1.5 m/s ²
MAX. AXIS ACCELERATION, AXIALLY PARALLEL IN Z	1.5 m/s ²
MAX. AXIS ACCELERATION OF B AXIS	1.5 rad/s ²

POSITIONING ACCURACY

POSITIONING ACCURACY OF LINEAR AXES (X, Z)	0.1 mm	0.1 mm
POSITIONING ACCURACY OF ROTARY AXES (B)	0.015 °	0.015 °

LASERS

MAX. LASER OUTPUT	3200 W - 15000 W
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MAXIMUM AXIS ACCELERATIONS

MAXIMUM AXIS ACCELERATION, AXIALLY PARALLEL IN X	1.5 m/s ²
MAXIMUM AXIS ACCELERATION, AXIALLY PARALLEL IN Z	1.5 m/s ²
MAXIMUM AXIS ACCELERATION OF B AXIS	1.5 rad/s ²

LASER

MAXIMUM LASER POWER	2000 W - 8000 W
AVAILABLE LASERS	TruDiode, TruDisk