



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	± 25 mm

MAXIMUM AXIS SPEEDS

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

MAXIMUM AXIS ACCELERATIONS

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

LASER

MAXIMUM LASER POWER	3200 W - 15000 W	2000 W - 8000 W
AVAILABLE LASERS	TruFlow	TruDiode, TruDisk

1 — Weitere Optikkonfigurationen auf Anfrage möglich.