



TruLaser Cell Series 1000

Technical data



**TruLaser Cell 1100
(CO₂-Laser)****TruLaser Cell 1100****TruLaser Cell 1100
Basic Edition****AXIS TRAVEL RANGE**

X AXIS TRAVEL RANGE	300/500 mm	300/500 mm	150 mm
Z AXIS TRAVEL RANGE	300/500 mm	300/500 mm	150 mm
B AXIS TRAVEL RANGE	± 100 °	± 100 °	-
Q AXIS TRAVEL RANGE (WELDING GAP POSITION CORRECTION)	± 25 mm	± 25 mm	-

MAXIMUM AXIS SPEEDS

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

MAX. AXIS ACCELERATION

MAX. AXIS ACCELERATION, AXIALLY PARALLEL IN X	1.5 m/s ²	1.5 m/s ²	-
MAX. AXIS ACCELERATION, AXIALLY PARALLEL IN Z	1.5 m/s ²	1.5 m/s ²	-
MAX. 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	0.01 mm
POSITIONING ACCURACY OF ROTARY AXES (B)	0.015 °	0.015 °	-

LASERS

MAX. LASER OUTPUT	3200 W - 15000 W	2000 W - 8000 W	3200 W - 8000 W
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