



TruLaser Cell 5030

Technical data



TruLaser Cell 5030

AXIS TRAVEL RANGE

X AXIS TRAVEL RANGE	3000 mm
Y AXIS TRAVEL RANGE	1500 mm
Z AXIS TRAVEL RANGE	700 mm
B AXIS TRAVEL RANGE	± 135 °
C AXIS TRAVEL RANGE	n x 360 °

MAXIMUM WORKPIECE SIZE

MAXIMUM WORKPIECE SIZE IN X	2540 mm
MAXIMUM WORKPIECE SIZE IN Y	1040 mm
MAXIMUM WORKPIECE SIZE IN Z	470 mm

MAXIMUM AXIS SPEEDS

MAXIMUM AXIS SPEED, AXIALLY PARALLEL IN X	60 m/min
MAXIMUM AXIS SPEED, AXIALLY PARALLEL IN Y	60 m/min
MAXIMUM AXIS SPEED, AXIALLY PARALLEL IN Z	60 m/min
MAXIMUM AXIS SPEED, SIMULTANEOUS	104 m/min
MAXIMUM AXIS SPEED OF B AXIS	60 1/min
MAXIMUM AXIS SPEED OF C AXIS	60 1/min

MAXIMUM AXIS ACCELERATIONS

MAXIMUM AXIS ACCELERATION, AXIALLY PARALLEL IN X	8 m/s ²
MAXIMUM AXIS ACCELERATION, AXIALLY PARALLEL IN Y	8 m/s ²
MAXIMUM AXIS ACCELERATION, AXIALLY PARALLEL IN Z	8 m/s ²
MAXIMUM AXIS ACCELERATION, SIMULTANEOUS	13.8 m/s ²
MAXIMUM AXIS ACCELERATION OF B AXIS	200 rad/s ²
MAXIMUM AXIS ACCELERATION OF C AXIS	100 rad/s ²

POSITIONING ACCURACY

POSITIONING ACCURACY OF LINEAR AXES (X, Y, Z)	0.08 mm
POSITIONING ACCURACY OF ROTARY AXES (B)	0.015 °

LASER

MAXIMUM LASER POWER	3000 W - 4000 W
AVAILABLE LASERS	TruDisk, TruFiber