



# TruLaser Cell 8030

Technical data



**TruLaser Cell 8030  
(standard version)****TruLaser Cell 8030  
(large version)****AXIS TRAVEL RANGE**

MAXIMUM NUMBER OF AXES	5	5
X AXIS TRAVEL RANGE	3000 mm	3000 mm
Y AXIS TRAVEL RANGE	1300 mm	2100 mm
Z AXIS TRAVEL RANGE	600 mm	650 mm
B AXIS TRAVEL RANGE	± 135 °	± 135 °
C AXIS TRAVEL RANGE	n x 360 °	n x 360 °
AXIS TRAVEL RANGE OF DYNAMIC CUTTING OPTICS	± 10 mm	± 10 mm

**MAXIMUM WORKPIECE SIZE**

MAXIMUM WORKPIECE SIZE IN X	2540 mm	2540 mm
MAXIMUM WORKPIECE SIZE IN Y	840 mm	1640 mm
MAXIMUM WORKPIECE SIZE IN Z	370 mm	420 mm

**MAXIMUM AXIS SPEEDS**

MAXIMUM AXIS SPEED, AXIALLY PARALLEL IN X	100 m/min	100 m/min
MAXIMUM AXIS SPEED, AXIALLY PARALLEL IN Y	100 m/min	100 m/min
MAXIMUM AXIS SPEED, AXIALLY PARALLEL IN Z	100 m/min	100 m/min
MAXIMUM AXIS SPEED, SIMULTANEOUS	173 m/min	173 m/min
MAXIMUM AXIS SPEED OF B AXIS	90 1/min	90 1/min
MAXIMUM AXIS SPEED OF C AXIS	90 1/min	90 1/min

**MAXIMUM AXIS ACCELERATIONS**

MAXIMUM AXIS ACCELERATION, AXIALLY PARALLEL IN X	11 m/s <sup>2</sup>	10 m/s <sup>2</sup>
MAXIMUM AXIS ACCELERATION, AXIALLY PARALLEL IN Y	11 m/s <sup>2</sup>	10 m/s <sup>2</sup>
MAXIMUM AXIS ACCELERATION, AXIALLY PARALLEL IN Z	11 m/s <sup>2</sup>	10 m/s <sup>2</sup>
MAXIMUM AXIS ACCELERATION, SIMULTANEOUS	19.1 m/s <sup>2</sup>	17.3 m/s <sup>2</sup>
MAXIMUM AXIS ACCELERATION OF B AXIS	200 rad/s <sup>2</sup>	200 rad/s <sup>2</sup>
MAXIMUM AXIS ACCELERATION OF C AXIS	100 rad/s <sup>2</sup>	100 rad/s <sup>2</sup>
MAXIMUM AXIS ACCELERATION OF DYNAMIC CUTTING OPTICS	40 m/s <sup>2</sup>	40 m/s <sup>2</sup>

**POSITIONING ACCURACY**

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

**LASER**

MAXIMUM LASER POWER	3000 W - 4000 W	3000 W - 4000 W
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**ROTARY TABLE AUTOMATION**

MAXIMUM LOADING PER SIDE	300 kg	750 kg
WORK STATIONS	2	2
TYPICAL TOTAL NON-PRODUCTIVE TIME	4.2 s	4.9 s
TYPICAL ROTATION TIME	1.8 s	3 s
DIAMETER OF ROTARY PLATE	4000 mm	5000 mm
WORKING HEIGHT	700 mm	700 mm