



# TruLaser Cell 7040

Technical data

**TruLaser Cell 7040  
CO<sub>2</sub>****TruLaser Cell 7040  
fiber****AXIS TRAVEL RANGE**

X AXIS TRAVEL RANGE	4000 mm	4000 mm
Y AXIS TRAVEL RANGE	1500 / 2000 mm	1500 / 2000 mm
Z AXIS TRAVEL RANGE	750 / 1000 mm	750 / 1000 mm
B AXIS TRAVEL RANGE	± 135 °	± 135 °
C AXIS TRAVEL RANGE	n x 360 °	n x 360 °
AXIS TRAVEL RANGE OF DYNAMIC CUTTING OPTICS	± 9 mm	± 9 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	9 m/s <sup>2</sup>	9 m/s <sup>2</sup>
MAXIMUM AXIS ACCELERATION, AXIALLY PARALLEL IN Y	10 m/s <sup>2</sup>	10 m/s <sup>2</sup>
MAXIMUM AXIS ACCELERATION, AXIALLY PARALLEL IN Z	10 m/s <sup>2</sup>	10 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, 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 - 6000 W	2000 W - 6000 W
AVAILABLE LASERS	TruFlow	TruDisk

Subject to changes. The information in our offer and our order confirmation is definitive.

1 — Other optics configurations are available on request.