



# TruLaser Cell 8030

Technical data

# TruLaser Cell 8030

## AXIS TRAVEL RANGE

MAXIMUM NUMBER OF AXES	5
X AXIS TRAVEL RANGE	3000 mm
Y AXIS TRAVEL RANGE	1300 mm
Z AXIS TRAVEL RANGE	600 mm
B AXIS TRAVEL RANGE	$\pm 135^\circ$
C AXIS TRAVEL RANGE	$n \times 360^\circ$
AXIS TRAVEL RANGE OF DYNAMIC CUTTING OPTICS	$\pm 10$ mm

## MAXIMUM WORKPIECE SIZE

MAXIMUM WORKPIECE SIZE IN X	2540 mm
MAXIMUM WORKPIECE SIZE IN Y	-
MAXIMUM WORKPIECE SIZE IN Z	370 mm

## MAXIMUM AXIS SPEEDS

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

## MAXIMUM AXIS ACCELERATIONS

MAXIMUM AXIS ACCELERATION, AXIALLY PARALLEL IN X	$10 \text{ m/s}^2$
MAXIMUM AXIS ACCELERATION, AXIALLY PARALLEL IN Y	$10 \text{ m/s}^2$
MAXIMUM AXIS ACCELERATION, AXIALLY PARALLEL IN Z	$10 \text{ m/s}^2$
MAXIMUM AXIS ACCELERATION, SIMULTANEOUS	$17.3 \text{ m/s}^2$
MAXIMUM AXIS ACCELERATION OF B AXIS	$200 \text{ rad/s}^2$
MAXIMUM AXIS ACCELERATION OF C AXIS	$100 \text{ rad/s}^2$
MAXIMUM AXIS ACCELERATION, DYNAMIC CUTTING OPTICS	$40 \text{ m/s}^2$

## POSITIONING ACCURACY

POSITIONING ACCURACY OF LINEAR AXES (X, Y, Z)	0.08 mm
POSITIONING ACCURACY OF ROTARY AXES (B)	$0.015^\circ$

## LASER

MAXIMUM LASER POWER	2000 W - 4000 W
---------------------	-----------------

1 — Other optics configurations are available on request.