



# TruLaser Cell 5030 Hotforming Edition

Technical data



# TruLaser Cell 5030 Hotforming Edition

## AXIS TRAVEL RANGE

MAXIMUM NUMBER OF AXES	5
X AXIS TRAVEL RANGE	3300 mm
Y AXIS TRAVEL RANGE	1500 mm
Z AXIS TRAVEL RANGE	600 mm
B AXIS TRAVEL RANGE	$\pm 135^\circ$
C AXIS TRAVEL RANGE	$n \times 360^\circ$

## MAXIMUM WORKPIECE SIZE

MAXIMUM WORKPIECE SIZE IN X	2840 mm
MAXIMUM WORKPIECE SIZE IN Y	1040 mm
MAXIMUM WORKPIECE SIZE IN Z	370 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	$9.5 \text{ m/s}^2$
MAXIMUM AXIS ACCELERATION, AXIALLY PARALLEL IN Y	$9.5 \text{ m/s}^2$
MAXIMUM AXIS ACCELERATION, AXIALLY PARALLEL IN Z	$9.5 \text{ m/s}^2$
MAXIMUM AXIS ACCELERATION, SIMULTANEOUS	$16.5 \text{ m/s}^2$
MAXIMUM AXIS ACCELERATION OF B AXIS	$200 \text{ rad/s}^2$
MAXIMUM AXIS ACCELERATION OF C AXIS	$100 \text{ rad/s}^2$

## 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	3000 W - 4000 W
AVAILABLE LASERS	TruFiber

## ROTARY TABLE AUTOMATION

MAXIMUM LOADING PER SIDE	260 kg
WORK STATIONS	2
TYPICAL TOTAL NON-PRODUCTIVE TIME	4.5 s
TYPICAL ROTATION TIME	2.4 s
DIAMETER OF ROTARY PLATE	4000 mm
WORKING HEIGHT	700 mm