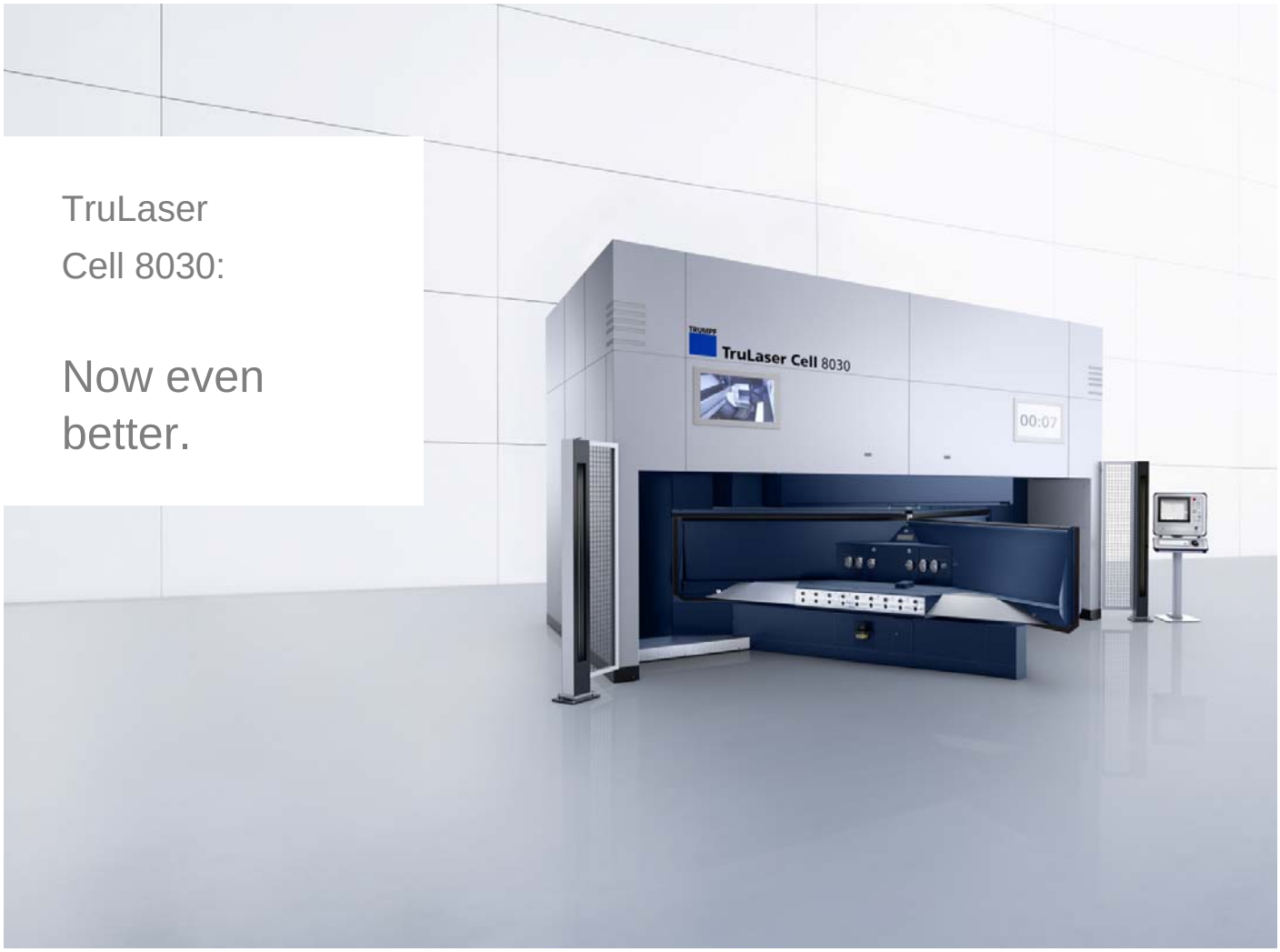


TruLaser Cell 8030:

Now even better.

Proven performance.

The TruLaser Cell 8030 is an industry-proven laser cutting system that has been specifically designed for the hot stamping market. Now, this next generation technology addresses the trends and needs of its customers to provide an efficient and reliable solution. With expansive installations all across the world, the TruLaser Cell 8030 is an obvious choice for a highly competitive and demanding market.

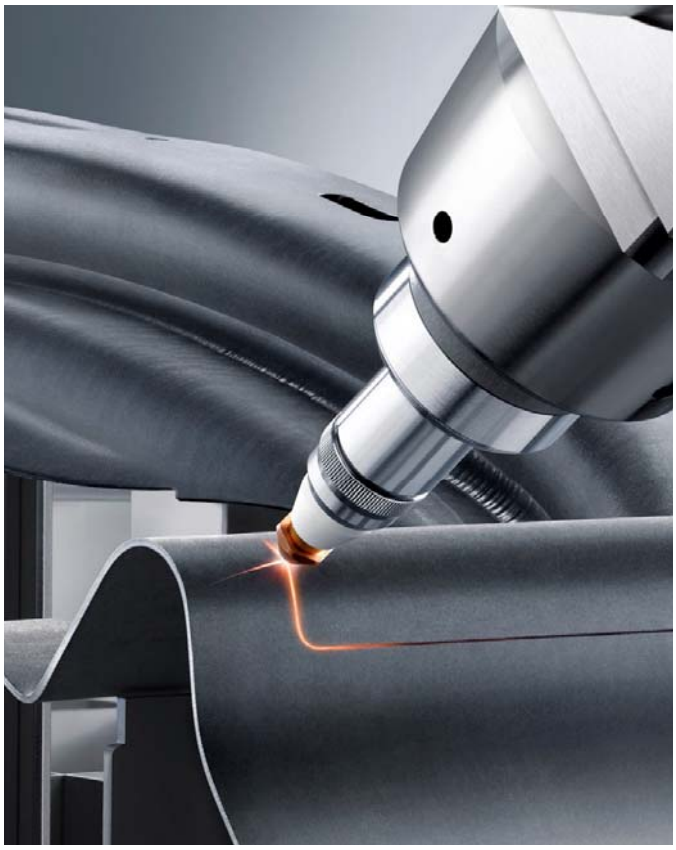
Benefits at a glance.

- Maximum productivity.
- Superior energy efficiency.
- Automated for short cycle times.
- Innovations to increase process reliability.
- Compact footprint.
- Laser powers available from 2 to 4 kilowatts.

Machine Tools/Power Tools

Laser Technology/Electronics

TRUMPF



Increased productivity.

The TruLaser Cell 8030 was specifically designed for laser cutting hot stamped 3D components. The new TruLaser 8030 comes standard with a two station rotary table (three stations is an option) for parts with very short cutting times. This allows simultaneous loading and unloading, increasing utilization and productivity, especially for the increasing number of parts with short cycle times.

Better customization.

Not all parts require the same laser power. TruDisk 2000 laser option allows for highly complex part cutting. Its excellent beam quality allows for fast, cost-efficient processing. On large parts with long cuts, up to 4 kilowatts of laser power is available, allowing customers to select the laser for their individual needs. The new TruLaser Cell 8030 offers configurations that consider both performance and cost without sacrificing quality and durability.

Technical Data	TruLaser Cell 8030
Working range	
X / Y / Z axis	118.1 in. x 51. 2 in. x 23.6 in.
B axis	± 135°
C axis	n x 360°
Axis speed	
X / Y / Z linear axis	328 ft. / min.
B / C axis	90 1/min
Axis acceleration	
Simultaneous	56.7 ft. / s2
X / Y / Z axis	32.8 ft. | 32.8 ft. | 32.8 ft. / s^2
B / C axis	200 | 100 rad / s^2
Positioning range[1]	
Linear axes X / Y / Z	0.001 in.
Rotating axes B / C	0.005°
Positioning deviation[1]	
Linear axes X / Y / Z	0.003 in.
Rotating axes B / C	0.015°

[1] Pure mechanical precision without control compensation, measured in accordance with VDI 3441 through the total length of axis travel.

	TruLaser Cell 8030
TRUMPF lasers	
Available lasers	TruDisk 2000, TruDisk 3001, TruDisk 4001
Laser power	2000 – 4000 W
Beam quality	2-4 mm x mrad
Rotary changer | Rotary indexing table	
Diameter	13.1 ft. | 15.7 ft.
Workstations	2 | 3
Max. load per side	661.4 lb.
Time to completely rotate	2.3 s
Typical rotation time[2]	ca. 5 s

[2] Transition from beam focus on part 1 to beam focus on part 2.

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