

TruLaser Cell 5030

Flexible laser processing

05

Process flexibility for cutting and welding

with 2-in-1 LLK

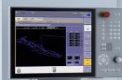
04

Top quality

due to unique features



TruLaser Cell 5030



03

Dynamic and precise

with flying optics

01

Low-cost introduction

to 3D laser cutting and welding

02

Top operator convenience

due to intuitive software support

Pictures are to be understood as an example and may show machine options as well.

01

Low-cost introduction

to 3D laser cutting and welding

Cost-efficient processing starting with the very first part: Compared to hybrid and sheet mover machines with CO₂ lasers, the TruLaser Cell 5030 achieves up to 300% higher performance with a machine-hour rate reduction of up to 20%. Its clever design reduces the installation area of the system to a minimum.

02

Top operator convenience

due to intuitive software support

The TruLaser Cell 5030 is optimal for the processing of frequently changing orders with small lot sizes. The running-in of new parts is supported by clever features like, for example, the stored technology parameters for all currently used materials, the TruTops Cell Basic program for quick program modifications or the automatic focus setting. The front doors of the machine are made of light CFRP material, enabling quick and convenient access to the work area.

03

Dynamic and precise

with flying optics

With X-Blast Technology you work at a greater distance to the sheet metal. This reduces nozzle collisions and increases the quality of the 3D cutting edges. Flying optics also contribute to precise results. Nevertheless, in the event of a collision, the magnetic coupling prevents damage to the machine.

04

Top quality

due to unique features

Optimal coordination between laser, machine, and software forms the foundation for excellent processing quality. With the TruLaser Cell 5030 you have all three building blocks from TRUMPF. Machine operators are supported by the latest functions such as Smart Optics Setup, for a quick and convenient setup. The BrightLine Weld option enables laser welding almost free of spatter and optimal weld seam quality. At the same time, significantly higher feed rates can be achieved with this option, and energy costs can be reduced

Your start in flexible laser processing

2D laser cutting | 3D laser cutting | laser welding

It has never been so affordable and flexible: the TruLaser Cell 5030 impresses with its low machine-hour rate and is ideally suited to small and medium lot sizes where components are frequently changed. It comes with an energy-efficient, low-maintenance TruDisk solid-state laser as well as a wealth of functions from the tried-and-tested TruLaser Cell product groups. As such, the TruLaser Cell 5030 offers maximum flexibility for cutting and welding in equal measure.

05

Process flexibility for cutting and welding

with 2-in-1 LLK

The 2-in-1 LLK solution for solid-state lasers enables the use of the same optical cable for both welding and cutting operations. When switching between the two methods, only the processing optics has to be changed, the system control then adjusts the laser beam automatically. And you will also be impressed by the easy operation and top processing results. The standard work table used in all applications is also available as a moveable table. Special 3D work tables are also available as an alternative.

Technical data		
Axis positioning range		
X	mm	3000 (+ 300)
Y	mm	1500
Z	mm	700
B/C ¹⁾	°	± 135/n x 360
Max. payload	kg	250 (3D work table), 800 (2D/3D work table)
Speed		
X/Y/Z	m/min	60
Simultaneous	m/min	104
B/C ²⁾	1/min	60
Laser		
Max. laser power	W	3000 - 4000
Available lasers	TruDisk, TruFiber	
Available technologies	Laser cutting, laser welding	

¹⁾ Fiber-guided. ²⁾ Rotary axis C180.

Subject to alteration: Only specifications in our offer and order confirmation are binding.