TruLaser Station 7000

# Versatile 3D laser welding


06

## Optimal for complex welding geometries

thanks to its highly developed 3D processing technology

05

## High processing Flexibility

guarantees a variety of welding applications

01

## Spacious work area on a minimized footprint

offering room even for larger components

02

## Profitable laser welding

thanks to the best price performance ratio of its class

04

## Ideal for large quantities

because of the rotary table

03

## Constant high part quality

with fully integrated image processing

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

TRUMPF

01

## Spacious work area on a minimized Footprint

offering room even for larger components

The TruLaser Station 7000 offers the perfect balance between work area and footprint. A broad spectrum of parts can be processed in the generously designed work area of the machine – including larger parts and even complex fixtures. The exhaust system is integrated in the machine.

02

## Profitable laser welding

thanks to the best price-performance ratio of its class

The modular design of the TruLaser Station 7000 will keep your investment costs down. This modern machine concept is perfectly designed for welding assemblies such as sensor systems, rotationally symmetrical parts and medical instruments. You will also be impressed by the low cost per part.

03

## Constant high part quality

with fully integrated image processing

The integrated image processing feature detects component geometries. This means that you always weld at the right point and save time and money as you produce with unchanging high quality.

04

## Ideal for large quantities

because of the rotary table

The TruLaser Station 7000 can be optimally equipped with a rotary table. This enables loading and unloading parallel to production, even when automated with a robot. High-power lasers of the latest generation enable optimal processing times, making the machine perfectly suited for highly productive series production.

05

## High processing flexibility

guarantees a variety of welding applications

Weld very diverse seam geometries at a constantly high level of quality. No matter whether you are using heat conduction or deep penetration welding, whether it's with thin or thick sheet – the TruLaser Station 7000 offers high performance.

06

## Optimal for complex welding Geometries

thanks to its highly developed 3D processing technology

With up to 5 interpolating axes you can handle complex 3D components and seam geometries without any problem. The corresponding fixture equipment can be accommodated in the spacious working area and can be programmed using a traveling operator interface.

| Technical data | | |
|---|---|---|
| **Axis positioning range** | | |
| X | mm | 650 |
| Y | mm | 350 |
| Z | mm | 500 |
| B \| C | ° | ± 120/n x 360 |
| RMax. payload | kg | 50 |
| **Speed** | | |
| X/Y/Z | m/min | 6 |
| Simultaneous | m/min | 10 |
| B/C[2)] | 1/min | 15/200 |
| **Laser** | | |
| Max. laser power | W | 2000[3)] |
| Available lasers | | TruPulse, TruDisk, TruFiber, TruMicro2) |
| Available technologies | | Laser welding |
| **Rotating changer** | | |
| Diameter | mm | 770 |
| Max. Payload per side | kg | 35 |
| Stations | Number | 2 |

[1)] Fiber-guided.

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

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