

TruPrint 1000:

Compact  
and robust  
3D printing.



## Powder-bed-based laser fusion for complex metallic components.

The TruPrint 1000 produces components of almost any geometrical shape. Even complex shapes can be easily and rapidly transformed from the CAD drawing into a real component – and in the best quality. Whether it's a one-off, prototype or small series, the TruPrint 1000 gives you limitless creativity in the implementation of your ideas.



### Easy and intuitive.

Because of its small size, the TruPrint 1000 is easy to operate. The generously-sized processing chamber and its doors enable ergonomic handling. Thanks to the intuitive touch screen, operation is very simple. With its intelligent functions, the control software supports efficient production.

### High processing speed.

The TruPrint 1000 coordinates powder coating and laser exposure parallel to the components. This reduces downtime to a minimum, enabling higher processing speeds.

### Mobile operation and monitoring.

With the MobileControl App (MCA) you can operate and control the TruPrint 1000 especially flexibly using a tablet. The operator keeps an eye on the production process via live image, while necessary presence is reduced.

## The TruPrint 1000: Your benefits at a glance.

- 1 Simple and intuitive to operate.
- 2 High processing speed due to patented coating system.
- 3 Mobile operation and monitoring.
- 4 Telediagnosics and Visual Online Support.

### Telediagnosics and Visual Online Support.

TRUMPF Telediagnosics provides a direct connection between our service engineers and your TruPrint 1000. Using the app for Visual Online Support (VOS) you can also exchange picture, sound and video files in real time. This enables more targeted support, and your machine is available again very quickly.

|                 | TruPrint 1000  |
|-----------------|--|
| Build cylinder  | Ø 100 mm x 100 mm<br>Optional: Smaller build area  |
| Build materials | Stainless steel, tool steel, cobalt-chrome, aluminum, nickel-based alloys, titanium <sup>[1]</sup> , precious metals <sup>[1]</sup> , bronze |
| Layer thickness | 20 µm <sup>[2]</sup>   |
| Laser source    | 200 W fiber laser  |
| Focus diameter  | 55 µm  |
| Scanning speed  | Max. 6 m/s   |
| Shield gas      | Nitrogen, argon  |
| Power supply    | 230 V–7 A–50/60 Hz   |
| Dimensions      | 1445 x 1680 x 730 cm   |
| Weight          | 705 kg   |

<sup>[1]</sup> Available with option packages.

<sup>[2]</sup> Individually adjustable.

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