

TruPrint 1000:

Compact and
robust 3D printing

03

Remote operation
and monitoring

01

Simple and intuitive
operation

02

High processing speed
due to innovative
re-coating system

04

Telediagnosics and
Visual Online Support



Laser metal fusion for complex metal parts

The TruPrint 1000, TRUMPF's 3D metal based powderbed system, can create the most complex geometrical shapes at the highest quality. The TruPrint 1000 is well-suited for both prototyping and full production.



01

operation

With its compact size and intuitive touchscreen, the TruPrint 1000 is simple to operate. It has a large processing chamber and locking doors for easy accessibility and ergonomic operation.

02

High processing speeds

The TruPrint 1000 overlaps the automated powder coating procedure with laser exposure to reduce the time per layer. This process increases productivity.

03

Mobile operation and monitoring

With the available app, you can control the TruPrint 1000 from a tablet. The operator can monitor the production process remotely and in real time. Our monitoring options also provide you with comprehensive oversight of your machine and its productivity.

04

Telediagnosics and Visual Online Support

TRUMPF Telediagnosics provides a direct line from our service technicians to your TruPrint 1000. Using the app for Visual Online Support (VOS) you can share pictures, sound and video files to connect to our worldwide trained service technicians and around the clock spare parts service. This allows for more personalized technical support for you and less downtime for your machine.

TruPrint 1000		
Build cylinder	mm x mm	Ø 100 x 100 Optional: Smaller build volume
Build materials		stainless steel, mild steel, cobalt-chrome, aluminum, nickel-based alloys, titanium ^[1] , precious metals ^[1] , bronze
Layer thickness	µm	10-50 ^[2]
Laser source (fiber laser)	W	200
Focus diameter	µm	55 ^[3]
O ₂ concentration	ppm	1000 Optional: 50
Scanning speed	m/s	Max. 6
Shield gas		Nitrogen, Argon
Power supply	V / A / Hz	120 / 15 / 50/60
Dimensions	mm	1445 x 1680 x 730
Weight	kg	705

^[1]Available with optional packages

^[2]Individually adjustable

^[3]Optional 30 µm

*Subject to change. Only specifications in our quote and order confirmation are binding.