



TRUMPF



Industrial Additive Technologies

The right solution
for every metal
AM application



Our additive technologies
for your application:
**Laser Metal Fusion &
Laser Metal Deposition**

The right solution for every metal AM application



Laser Metal Deposition

The all-rounder among additive systems

- Laser Metal Deposition – from coating to repair to additive manufacturing
- The right beam source and powder feeder for every application

➤ High-speed laser metal deposition for rotationally symmetric components

TruPrint 1000

The most productive machine in its class

- Option multilaser: up to 80% more parts at the same time
- Easy and intuitive handling

➤ **NEW:** Multiplate option to compensate for order peaks



TruServices

- <30 min response time for urgent service requests
- 85% service cases solved without on-site assignment
- 24/7 spare parts order
- TRUMPF Bank for flexible financing solutions

World Premiere



TruPrint 2000

Economical 3D printing in premium quality

- Premium part quality with 55 µm beam diameter
- Highly productive due to fullfield multi-laser option
- Low part costs due to perfectly harmonized machine concept
- Highest quality standards through monitoring
- Inert, closed powder cycle

TruPrint 3000

Flexible and scalable system for professional 3D printing

- Quickly exchangeable build and supply cylinders
- Large build volume: Ø 300 × 400 mm
- **NEW:** Inert, external powder management

TruPrint 5000

Highly productive and automated 3D printing system

- Fullfield multilaser 3 × 500 W
- Preheating up to 500°C (optional)
- Automatic process start
- External part and powder management compatible for TruPrint 3000 & 5000
- Intuitive HMI Touchpoint Print

Overview of Additive Manufacturing systems for metal powders

Industrial production solutions for your metal application

From prototyping to industrial series production. As a pioneer in additive technologies and laser specialist since 1979, we offer the right technology for every application requirement: Laser Metal Fusion or Laser Metal Deposition. Benefit from complete industrial solutions with intelligent monitoring and smart services from a leading high-tech mechanical engineering company worldwide. Are you looking for an application that you would like to produce additive? Talk to our Consulting for AM novices.



TruPrint 1000

Build volume (cylinder):

Ø 100 × H 100 mm

Maximum laser power at the workpiece

(TRUMPF fiber laser):

1 × 200 W

Multilaser option: 2 × 200 W

Beam diameter: 30/55 µm

Unpacking: Internal

TruPrint 2000

Build volume (cylinder):

Ø 200 × H 200 mm

Maximum laser power at the workpiece

(TRUMPF fiber laser):

1 × 300 W

Fullfield multilaser option:

2 × 300 W

Beam diameter: 55 µm

Preheating: Up to 200°C

Unpacking: Internal under shielding gas

Periphery: Powder management

TruPrint 3000

Build volume (cylinder):

Ø 300 × H 400 mm

Maximum laser power at the workpiece

(TRUMPF fiber laser):

1 × 500 W

Beam diameter: 100–500 µm

Preheating: Up to 200°C

Unpacking: External with interchangeable cylinder in unpacking station

Periphery: Industrial part and powder management

TruPrint 5000

Build volume (cylinder):

Ø 300 × H 400 mm

Maximum laser power at the workpiece

(TRUMPF fiber laser):

3 × 500 W fullfield multilaser

Beam diameter: 100–500 µm

Preheating:

Up to 200°C (basic machine), up to 500°C (optional)

Automatic process start: Yes

Unpacking: External with interchangeable cylinder in unpacking station

Periphery: Industrial part and powder management

Laser Metal Deposition

From coating to repair through to additive manufacturing

DepositionLine technology package for LMD:

Configurable solution from beam source, powder feeder, optics, and nozzle

Compatible systems:

TruLaser Cell 3000, TruLaser Cell 7040, TruLaser Robot 5020, individual integration into your OEM solution

Visit our AM showroom in Ditzingen, Germany! Further information can be found at: www.trumpf.info/am-showroom

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