The right solution for every metal AM application

Our additive technologies for your application:
Laser Metal Fusion (LMF / LPBF) & Laser Metal Deposition (LMD)
The right solution for every metal AM application

**Laser Metal Deposition**

- The all-rounder among additive systems
  - From coating to repair through 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
  - Multiplate option to compensate for order peaks
  - **NEW:** Dental Preform option for 3D printing of individual single abutments

**TruPrint 1000 Green Edition**

- 3D printing of pure copper and precious metals
  - Highest quality and productivity through green laser with a wave length of 515 nm
  - Outstanding thermal properties and electrical conductivities
TruPrint 5000
Highly productive and semi-automated 3D printing system
- Fullfield multilaser 3 x 500 W
- Preheating up to 500°C (optional)
- Automatic process start
- Inert, closed powder cycle
- External part and powder management compatible for TruPrint 3000 & TruPrint 5000
- Intuitive HMI Touchpoint Print

TruPrint 3000
Flexible solution for industrial 3D printing
- Maximum productivity through fullfield multilaser 2 x 500 W
- Flexible production setup
- Ensuring high quality standards with Melt Pool Monitoring
- Inert, closed powder cycle

NEW: High process reliability due to newly developed gas flux

TruPrint 2000
Economical 3D printing in premium quality
- Premium part quality with 55 µm beam diameter
- Highly productive due to fullfield multilaser option
- Low part costs due to perfectly tailored machine concept
- Highest quality standards through Melt Pool Monitoring
- Inert, closed powder cycle

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
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 Powder Bed 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 additively? Talk to our AM Consulting.

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 1000 Green Edition
Build volume (cylinder): Ø 97 × H 100 mm
Maximum laser power at the workpiece (TruDisk Laser 1020): 1 × 500 W
Beam diameter: 200 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 preparation station

TruPrint 3000
Build volume (cylinder): Ø 300 × H 400 mm
Maximum laser power at the workpiece (TRUMPF fiber laser): 1 × 500 W
Fullfield multilaser option: 2 × 500 W
Beam diameter: 80 µm
Preheating: Up to 200 °C
Unpacking: Internal under shielding gas or external with interchangeable cylinder in depowdering station (optional under shielding gas) or with 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 depowdering station (optional under shielding gas) or with 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, individual integration into your OEM solution

Visit our AM showroom – live oder online! www.trumpf.info/am-showroom

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TRUMPF Laser- und Systemtechnik GmbH
Johann-Maus-Str. 2 · 71254 Ditzingen · Germany
additive.manufacturing@trumpf.com
www.trumpf.com/s/additivemanufacturing