



# TruPrint 3000

Technical data



## TruPrint 3000

**BUILD VOLUME (CYLINDER)** Diameter 300 mm x 400 mm Height

**PROCESSABLE MATERIALS**

Metal powders for welding, such as stainless steels, tool steels, and aluminum alloys, nickel-based alloys, or titanium alloys. Current availability of materials and their parameters available on request.

**PREHEATING (STANDARD)**

Down to 200 °C

**MAXIMUM LASER POWER AT THE WORKPIECE (TRUMPF FIBER LASER)**

500 W

**BEAM DIAMETER (INDIVIDUALLY ADJUSTABLE)**

100 - 500 µm

**LAYER THICKNESS**

20 - 150 µm

**BUILD RATE**

5 - 60 cm<sup>3</sup>/h<sup>1</sup>

**MINIMUM MEASURABLE OXYGEN LEVEL**

Up to 100 ppm

**CONNECTION AND CONSUMPTION**

ELECTRICAL CONNECTION (VOLTAGE)

400/460 V

ELECTRICAL CONNECTION (CURRENT INTENSITY)

32 A

ELECTRICAL CONNECTION (FREQUENCY)

50/60 Hz

SHIELDING GAS

Nitrogen, argon

**STRUCTURAL DESIGN**

DIMENSIONS (INCLUDING FILTER) (W X H X D)

3385 mm x 2070 mm x 1750 mm

WEIGHT (INCLUDING POWDER)

4300 kg

Subject to changes. The information in our offer and our order confirmation is definitive.

## Footnotes

---

1 — The actual build rate consisting of exposure and coating. Dependent on the configuration of the system, the process parameters, material and fill level.

2 — in conjunction with vacuum conveyor