



TruPrint 3000

Technical data

Additive production system

Diameter 300 mm x 400 mm Height

Metal powder production system for stainless steels, tool steels, and aluminum alloys, nickel-based alloys, or titanium alloys. Current availability of materials and their parameters available on request. ²

BUILD VOLUME (CYLINDER)

PROCESSABLE RAW MATERIALS

Technical data

PREHEATING

Up to 200 °C

MINIMUM LASER POWER AT THE WORKPIECE (TRUMPF FIBER LASER)

Fiber laser 50 W

MAXIMUM LASER POWER AT THE WORKPIECE (TRUMPF FIBER LASER)

Fiber laser 500 W

BEAM DIAMETER (INDIVIDUALLY ADJUSTABLE)

100 - 500 μm^3

LAYER THICKNESS

20 - 150 μm^3

BUILD RATE

5 - 60 cm^3/h^4

MINIMUM MEASURABLE OXYGEN LEVEL

Down 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 FILTER, POWDER)

4300 kg

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

Footnotes

1 — Other optics configurations are available on request.

2 — Current availability of materials and their parameters available on request

3 — Individually adjustable

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