



TruPrint 1000

Technical data

TruPrint 1000

BUILD VOLUME (CYLINDER)

Diameter 100 mm x 100 mm Height ¹

PROCESSABLE RAW MATERIALS

Metal powders for welding, such as stainless steels, tool steels, and aluminum, nickel basis, cobalt-chrome, copper, titanium or precious metal alloys ^{2 3}

LASER SOURCE

Fiber laser 200 W ⁴

LAYER THICKNESS

10 - 50 μm ⁶

BUILD RATE

2 - 18 cm^3/h ⁷

CONNECTION AND CONSUMPTION

ELECTRICAL CONNECTION (VOLTAGE)

230 V

ELECTRICAL CONNECTION (CURRENT INTENSITY)

7 A

ELECTRICAL CONNECTION (FREQUENCY)

50/60 Hz

SHIELDING GAS

Nitrogen, argon

OXYGEN CONCENTRATION

Up to 3.000 (0,3 %)

STRUCTURAL DESIGN

DIMENSIONS (W X H X D)

1445 mm x 1680 mm x 730 mm ⁸

WEIGHT

650 kg ⁹

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

Footnotes

1 — Optional: smaller build volume

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

3 — Available with optional packages

4 — Optional: Multilaser 2 x 200 W

5 — Optional: 30 µm

6 — Individually adjustable

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

8 — including filter

9 — including filter, powder