



TruPrint 1000 Green Edition

Technical data

TruPrint 1000 Green Edition

BUILD VOLUME (CYLINDER)

Diameter 97 mm x 100 mm Height

PROCESSABLE MATERIALS

Weldable metals in powder form, such as: copper, copper alloys or precious metals. Current availability of materials and their parameters available on request.

MAXIMUM LASER POWER AT THE WORKPIECE (TRUMPF FIBER LASER)

500 W

BEAM DIAMETER (STANDARD)

200 µm

BUILD RATE

Up to 25 cm³/h¹

MINIMUM MEASURABLE OXYGEN LEVEL

Down to 100 ppm (0.01%)

CONNECTION AND CONSUMPTION

ELECTRICAL CONNECTION (VOLTAGE)

TruPrint 1000: 230 V
TruDisk 1020: 400 V

ELECTRICAL CONNECTION (CURRENT INTENSITY)

TruPrint 1000: 7 A
TruDisk 1020: 32 A

ELECTRICAL CONNECTION (FREQUENCY)

TruPrint 1000: 50/60 Hz
TruDisk 1020: 50/60 Hz

SHIELDING GAS

Nitrogen, argon

STRUCTURAL DESIGN

DIMENSIONS (W X H X D)

TruPrint 1000: 1445 mm x 1680 mm x 730 mm
TruDisk 1020: 1340 mm x 1430 mm x 728 mm

WEIGHT (INCLUDING POWDER)

TruPrint 1000: 650 kg
TruDisk 1020: 515 kg

Subject to changes. The details in our offer and order confirmation are definitive.

Footnotes

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