

MAGNUS
PRO 1000

- Heavy Duty welded steel frame
- All custom made precision machined aluminum parts
- German made heavy duty aluminum profiles
- Custom made, precision machined (<50µm precision across all area), aerospace grade 7075 aluminum heated (up to 110C) build platform
- True auto 3-point motion bed levelling with 3 independent NEMA23 motors (Oriental Motors) with original Hiwin linear guideways and ballscrews
- CoreXY toolpath architecture with Original Hiwin linear guideways, high-end/high-torque Nema23 motors (Leadshine) with embedded encoders original GT3 (9mm width) belts
- Bulldog XL extruder (ready for the Bondtech extruder also)
- Original E3D Volcano Hot-End (Nozzles 0.4mm to 1.5mm)
- IFM precision inductive sensor for bed levelling
- Powder coated external enclosure
- Fully enclosed (not airtight) passive heated chamber, with controllable inner temperature up to 55C
- Removable side plexiglass panels for easy access and removal of large prints
- Smart, controllable cooling and ventilation system and LED lighting
- HEPA and Carbon filter
- IP HD camera
- Marlin based customized firmware
- Custom electronics
- 100% stand-alone machine with on-board Windows PC, 10inch touchscreen and keyboard/mouse

External Dimensions

H 1880mm / W 1735mm / D 1425mm

Build Volume

X 1100mm, Y 970mm, Z 1000mm

Print speedsUp to 120mm/s
(Depending on material and nozzle size)**Travel speed**

Up to 350mm/s

Filament Diameter

1.75mm

Position accuracy

10µm XY accuracy / 2,5µm Z accuracy

Weight

950kg

Power Supply

Heated build plate: 230VAC

Max Consumption: 3800W

Rest of electronics: 230VAC

Max Consumption: 1000W