

# HAGE3D 175 C

## TECHNICAL DATA:

### MECHANICAL ENGINEERING

Build chamber (XYZ):	1200 mm x 1200 mm x 1200 mm
Heatable build chamber:	up to 80 °C
Lighting:	Interior LED lighting
Heated print bed:	up to 140 °C
Positioning accuracy (XY):	< 0.03 mm
Layer thickness:	from 0.05 mm
Movement speed:	XY~300 mm/s,
Safety circuit:	unmanned 24/7 operation

### PRINT HEAD

Print head:	Standard DSD, Multi-DSD, PEX
Nozzle diameter:	0.2 to 1.0 mm (standard: 0.4 mm)
Printing speed:	up to 250 mm/s (depending on geometry and material)
Build-up rate:	up to 600 g/h (depending on geometry and material)
Print temperature:	up to 500 °C

### USER CONVENIENCE

Stand-alone printing:	USB/network
Pause printing:	smart 'stop and go' function
Slicing software:	Simplify3D (delivery standard)
Machine control:	HAGE3D industrial control
Operating display:	LED + 18.5" touchscreen
Filament stock:	runout sensor
Override function:	in real time
User level:	multi-level

### INSTALLATION INFORMATION

Power supply:	400 V / 230 V
External dimensions (XYZ):	2550 mm x 2450 mm x 2350 mm
Weight:	approx. 2500 kg

## HIGHLIGHTS:

- ▶ Print bed calibration: automatically by means of multi-point topographic
- ▶ Water-cooled servo motors with absolute value encoder
- ▶ Ball screw drives XYZ
- ▶ Component cooling: High-performance, targeted air cooling at up to 4.8 m<sup>3</sup>
- ▶ Real time adjustment of the printing parameters with override function
- ▶ Multi-state user permissions concept, notification via mail inclusive
- ▶ Runout sensor for filament stock via mail inclusive

## MATERIALS:

Wide range of materials: free choice of materials – no manufacturer ties  
Printable materials: PC, PC-ABS, PC-FR, PC-CF, PA6, PA6-CF, PA12, PA12-CF, PA12-GF, CoPA, ABS, ASA, ABS-FR, ABS-ESD, TPU, TPC, PETG, PLA, HT-PETG, PCTG, PP, PP-GF, PEKK, PPSU

### HAGE3D GmbH

Location Obdach: Hauptstraße 52e, 8742 Obdach, Austria

Location Graz: Kratkystraße 2, 8020 Graz, Austria

T: +43 3578 36 412, E: office@hage3d.com, www.hage3d.com

