HAGE 3D

# TECHNICAL SPECIFICATIONS

# HAGE3D 175C

Industrial solution for material extrusion

Largest Printer with heatable built chamber

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Made in Austria

# HAGE3D 175C

## BUILT SIZE

| | |
|---|---|
| Printable dimensions | Up to 1.200 x 1.200 x 1.200 mm |
| Heatable built chamber | Up to 80 °C |
| LED lightning | Yes |

## GENERAL

| | |
|---|---|
| Power supply | 400 V / 230 V |
| External dimensions | 2.500 x 2.500 x 2.500 mm |
| Weight | 2.500 kg |
| Safety circuit | Yes |

## MATERIAL

| | |
|---|---|
| Material use | Free choice of material |
| | Recommended material supplier |
| Printable Materials | ASA, ABS, PET-G, PLA, TPE, PA, PC-ABS*, PP |
| | High performance plastics: PEEK*, PSU*, PPSU* |
| | metal*/ceramic* filled materials |

## PRINTER SPECIFICATIONS

largest volume, highest precision

| | |
|---|---|
| Print head | Water cooled servomotor, Dual-Direct-Drive |
| Nozzle diameter | 0,3 to 1,0 mm (0,4 mm standard) |
| Lifting of inactive nozzle | Yes |
| Layer thickness | From 0,05 mm |
| Positioning accuracy | In XY < 0,05 mm |
| Filament feed | With HFFS technology (High Friction Feeding System) |
| Fast motion speed | XY~250 mm/s, Z~300 mm/min |
| Printing speed | 90 to 150 mm/s (differs from material) |
| Built rate | Up to 150 g/h (differs from material) |
| Hot-end temperature | 300 °C, optional 450 °C |
| Print bed | Heated precision plattform with 2.800 W, 140 °C |
| Controllable material cooling | Optional |
| Drive technology | Ball-screw in XYZ |
| Servomotor | Absolute encoders |

## USER COMFORT

| | |
|---|---|
| Stand-alone printing | Per USB |
| Network integration | Ethernet link |
| Remote servicing | Yes |
| Stop & Go function | Yes |
| Slicing software | Simplify3D (standard) |
| Override funktion | Real-time adjustment of the printing parameters |
| Printing control | Sinumerik 840D sl with server motors |
| User management | Multi-state user permissions concept, notification via mail inclusive |
| Filament replenishment | Refill message notification via mail inclusive (optional) |
| Status display | LED + Touchscreen |
| User Interface | 18,5" Multi Touchscreen |

*for experimental use, limited size for printed parts