



TECHNICAL SPECIFICATIONS

HAGE3D 140L

Industrial solution for material extrusion

High
precision
due to ball
screw



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Made in Austria

HAGE3D 140L



BUILT SIZE

Printable dimensions	Up to 700 x 500 x 400 mm
Heatable built chamber	Up to 85° C
LED lighting	Yes



GENERAL

Power supply	400 V / 230 V
External dimensions	1.450 x 1.250 x 1.060 mm
Weight	400 kg
Safety circuit	Yes



MATERIAL

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



PRINTER SPECIFICATIONS

Print head	Water-cooled dual direct drive print head
Nozzle diameter	0,3 to 1,0 mm (0,5 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~400 mm/s, Z~300 mm/min
Printing speed	90 to 150 mm/s (differs from material)
Build rate	50 to 100 g/h (differs from material)
Hot-end temperature	Up to 450 °C
Print bed	Heated precision platform with 1.000 W, up to 140 °Celsius
Controllable part cooling	Optional
Drive technology	Ball-screw in XYZ
Stepping motors	Closed Loop Technolog for precise step control
Calibration	Automatic calibration for precise First-Layer

Dual print
solution by
lifting of the
inactive nozzle



USER COMFORT

Stand-alone printing	Per USB
Network integration	Ethernet link
Remote servicing	Yes
Stop & Go function	Yes
Slicing software	Simplify3D (standard)
Mechanic Control	Sigmatek
Override funktion	Real-time adjustment of the printing parameters
Printing control	Industry control (HAGE)
Printing preview	3D object simulation for checking the G-code and the 3D-preview
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	7" Touchscreen
Filament feeding sensor	Yes

* for experimental use, limited size for printed parts