HAGE 3D

TECHNICAL SPECIFICATIONS
HAGE3D 140L
Industrial solution for material extrusion

High precision due to ball screw

HAGE3D 140L

BUILT SIZE

Printable dimensions	Up to 700 x 500 x 400 mm
Heatable built chamber	Up to 85° C
LED lightning	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
	Recommended material supplier
Printable Materials	ASA, ABS, PET-G, PLA, TPE, PA, PA-CF/GF, PC, PC-ABS, PP
	high performance plastics: Metal, PEEK*, PSU*, PPSU*, PEKK*, ceramic* ,filled materials

also available with triple extruder

PRINTER SPECIFICATIONS

Print head	Water-cooled dual direct drive print head
Nozzle diameter	0,25 to 1,0 mm (0,4 mm standard)
Lifting of inactive nozzle	Yes
Layer thickness	From 0,05 mm
Positioning accuracy	In XYZ < 0.05 mm
Filament feed	With HFFS technology (High Friction Feeding System)
Fast motion speed	XY~300 mm/s, Z~400 mm/min
Printing speed	90 to 150 mm/s (differs from material)
Build rate	Up to 150 g/h (differs from material)
Hot-end temperature	Up to 450 °C
Print bed	Heated precision plattform with 1.000 W, up to 160 °Celcius
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

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