Build Volume : 1000×1000×1000 mm

Printing Temperature : Up to 450℃

Hot Bed Temperature : Up to 120℃

Chamber Temperature : Up to 70℃

Filament Box Temperature : Up to 70℃

Extrusion System : Idex Dual Extruder Modularization

Majority of the Materials on Market :

High Performance ： PEEK,CF-PEEK,GF-PEEK,PEKK,PPS(Size within 150mm)

Engineering ： PA, CF-PA, GF-PA, PC, CF-PC, ABS, CF-ABS, PETG, CF-PETG, CF-PET, ASA, GF-ASA, PLA, CF-PLA, TPU

Support：HT-SP, E-REMOVE, E-WATER

YM-HST-1000-PRO

High Speed

High Temperature

Large Format

Item	YM-HST-1000-PRO
Printing Size (L × B × H)	1000×1000×1000 mm
Machine Size (L × B × H)	2027×1660×1694 mm
Packing Size (L × B × H)	2230×1860×2070 mm
Net Weight	900KG
Gross Weight	1000KG
Warning light (Height)	345mm
Power	200~250 V, 50~60 Hz 11600 W

Common	Principle:	Fused Filament Fabrication
	Printing Temperature:	450 °C
	HotBed Temperature:	120°C
	Chamber Temperature:	70°C
	Filament Box Temperature:	70°C
	Extrusion System:	Idex Dual Extruder Modularization
	Filament Diameter:	1.75 mm
	Filament Box Capacity:	3Kg ×2（Total 2 Reels）
	Positioning Accuracy:	X/Y: 5.86 µm Z: 1.56 µm
	Printing Speed:	0 - 400 mm/s（Max speed is tested by PLA）
	Printing Platform:	Vacuum adsorption Platform
	Heated Bed Materials:	Silicon
	Platform Auto Calibration:	Support
	Power Failure Recovery:	Support
	Filament Absent Warning:	Support
	Plug Detection:	Support
	Supporting Materials:	High Performance：PEEK,CF-PEEK,GF-PEEK,PEKK,PPS(Size within 150mm)
		Engineering：PA, CF-PA, GF-PA, PC, CF-PC, ABS, CF-ABS, PETG, CF-PETG, CF-PET, ASA, GF-ASA, PLA, CF-PLA, TPU
		Support：HT-SP, E-REMOVE, E-WATER
	Layer Thickness:	0.05 – 0.4mm
	Nozzle Diameter:	0.6 mm(standard),0.4 mm, 0.8mm ,1.0mm
	Connection Control:	Ethernet, USB2.0, WIFI
	Suggest Operating Environment:	10-40°C, relatively humidity 10-90%, No Moisture Condensation
	Storage Temperature:	-25 - 55 °C, relatively humidity 10-90%, No Moisture Condensation
	Technology Certification:	CE, RoHS
	Air Filter:	Filter HEPA, grade H13, minimum filter particle 0.3 µ m. Filtering efficiency 99.95%
Printer Control	Screen:	10.1 Inch color touch screen
	Resolution:	1280 x 800
	Motion Control Chip:	STM32 ARM Cortex M4 168 MHz
	Logic Control Chip:	Allwinnertech H6 64 Bits ARM Cortexm-A53 quad-core 1.8GHz
	Display control chip:	GPU Mali T720
	Flash Memory:	2GB
	Memory:	16GB
	Firmware:	High speed firmware based on secondary development of KLIPPER
	Operating System:	Embedded Linux
Software	Slicing software:	IEMAI 3D EXPERT, Cura, Simplify3D,Prusa
	computer system:	Windows 64 Bit
	input format:	STL, OBJ, 3MF
	output format:	GCODE

Features	Idex Dual Extruder Modularization
	Copy & Mirror Printing
	Support & Dual Color Printing
	CAN Communication Between Extruder And System
	Automatic leveling sensor for nozzle pressure
	Extruder with built-in acceleration sensor
	High-Speed Printing
	Power Failure Recovery
	Filament Absent Warning
	Plug Detection
	Automatic Shutdown
	Vacuum Adsorption Platform
	Internal and external heating dual zone of hot bed
	Independent heating of dual zone of filament box
	Simultaneous heating of dual zone of chamber
	XY axis FOC servo motor drive
	Z-axis high-power dual stepper motor drive
	XYZ axis full linear guide rail guidance
	XY axis synchronous belt drive
	Z-axis ball screw drive
	Built in negative pressure vacuum pump with a vacuum capacity of 125L
	Three color indicator light for device status
	The X motion frame can be quickly replaced, achieving particle printing+CNC cutting function (optional, additional purchase required)