

Model	Parameters
High Temperature 3D Printer MAGIC-HT-MAX 	Temperature System: Printing Temperature:Max 500°C Hot Bed Temperature:Max 200°C,Vacuum Adsorption,Carbon Fiber Plate/Polymer Membrane Chamber Temperature:Max 150°C Filament Box Temperature:Max 65°C,Material Storage Humidity:Min 15% RH Temperature Secure Function:Temperature PID Auto Tuning, Temperature Stability ±2°C
	Material System: 1. 75mm Diameter 3D Printing Filament (Thermoplastic) Performance:PEEK, PEKK, PEI 1010/9085, PPSU, PPS etc,Dimensional Accuracy 100mm±0. 2mm Composite:CF-PEEK, GF-PEEK, CF-PC, CF-PA, GF-PA, CF-ABS, CF-ASA, CF-PETG, CF-PLA etc,Dimensional Accuracy 100mm±0. 15mm Engineering:PC, PA, ASA, ABS, TPU, PETG, PLA etc,Dimensional Accuracy 100mm±0. 15mm Support:E-Water, E-Remove, HT-SP etc
	Extrusion System: Printing Speed: Max 150mm/s Acceleration: 1000mm/s² Flow: 16. 5mm³/s (0. 6mm Nozzle, 100mm/s Speed,Under Condition of PLA Printing) Nozzle Quantity:2 Nozzle Modular, Electric Individual Lifting Cooling Method:Water Cooling (Heat Dissipation Zone) /Air Cooling(Print Part Cooling) Nozzle Size:0. 4mm (Standard) /0. 6mm (Optional) Nozzle Material:Copper Alloy (Pure Materials) /Hardened Steel (Fiber Reinforced Materials) Recommended Layer Thickness:0. 05-0. 3mm
	Motion Hardware: XY Axis Motor:Closed Loop Drive Motor Z Axis Motor:High Torque Stepper Motor XYZ Axis Transmission:Ball Screw & Linear Guide Positioning Accuracy:X/Y:2. 5 μm Z:0. 78 μm
	Main Control Hardware: Screen:10. 1In Color Touch Screen Screen Resolution Ratio:1280x800Px Flash Memory:4GB Internal Memory:16GB Motion Control Chip:STM32 ARM Cortex-M4 180MHz Logic Control Chip:RK3588S Octa-Core 64Bits 2. 4GHz+1. 8GHz
	Software Functionality: Slicing Software:IEMAI 3D EXPERT, CURA, S3D, Prusa, OrcaSlicer Feature Functionality:Power Failure Recovery,Filament Detection, Automatic Leveling, Automatic Switch-Off, Material Feeders Synchronize Control,Dual Nozzle Individual Lifting,Dual Nozzle XYZ Distance Calibration, Automatic Cleaning Nozzle,Vacuum Adsorption Platform, Temperature PID Auto Tuning, Cloud Remote OTA Cloud Monitor and Control (1 Account For 1 Year Free, Renewal Annually USD 150) Local Network Transmission and Control Applicable to Confidentiality Enterprises,USD 980 Permanently Authorize 3 Accounts,USD 120 for Each Additional Account Machine Operating System:Linux Motion Control Firmware:Optimized Firmware Based on Marlin 2nd Development Data Transmission:Ethernet, USB, WIFI File Formats:STL, OBJ, 3MF etc Operating System:Windows10/11 64 Bits
	Size and Weight: Build Volume:500*500*700mm Machine Size:1080*1380*1950mm Package Size:1300*1600*2300mm Net Weight:750KG Gross Weight:850KG
	Electric Parameter: Brand:Mean Well Power Supply:220V±10% 50-60Hz Max Power 6500W 24 Hrs Average Power Consumption: 4KW/H (PEEK Printing) 0. 5KW/H (PLA Printing)
	Packing List: Machine, Tool Kits, Start-Up Material Sets, Spare Parts, Slicing Software (Free)