



JAEGERTECH
additive manufacturing

M100

ENCLOSED LARGE FORMAT 3D PRINTER

Production-Scale 3D Printing
Without Enterprise Pricing



SYSTEM HIGHLIGHTS

Closed-Loop Servo Motors

Positional feedback eliminates missed steps at high speeds

Industrial Linear Rails

Full-travel rigidity across the 1m motion envelope

Klipper Firmware

Real-time kernel control with full community extensibility

Enclosed Build Chamber

Thermal stability for warp-sensitive engineering materials

Multi-Spool Filament System

1 kg and 3 kg spools; minimizes interruptions on long runs

7" TFT Touchscreen

Direct control interface; no external PC required

**1000 × 1000 ×
1000 mm**
BUILD VOLUME

500 mm/s
MAX PRINT SPEED

300°C
MAX NOZZLE TEMP

WHY THE M100?

The M100 is built for organizations that have outgrown desktop-class 3D printers and need true production-scale capability. With a 1000 × 1000 × 1000 mm build volume, it enables large-format parts or full batch runs in a single print. Its servo-driven motion system and industrial linear rails deliver the torque, accuracy, and repeatability that stepper-based machines can't match. An enclosed, high-temperature chamber supports engineering materials like nylon, CF blends, and ABS. Klipper firmware keeps the system tunable as your demands grow. The M100 bridges the gap between desktop affordability and industrial performance.

Call or email us today to learn more about the M100, other machines, and our services!

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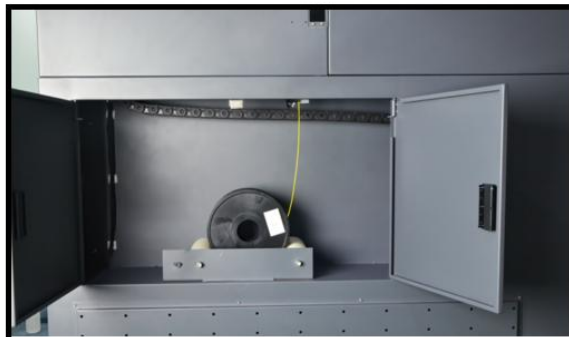
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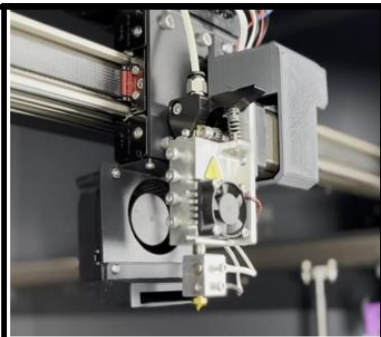
FULL TECHNICAL SPECIFICATIONS

Print Technology	FDM (Fused Deposition Modeling)
Build Volume	1000 × 1000 × 1000 mm
Machine Dimensions	1575 × 1290 × 1600 mm
Machine Weight	380 kg
Power Supply	110–220V AC, 3600W
Connectivity	USB, LAN (Ethernet), Wi-Fi, USB Flash Drive
Display	7" TFT Touchscreen (Klipper)
Max Print Speed	Up to 500 mm/s
Motion Control	Closed-loop servo motors with encoder feedback
Guide System	Industrial linear guide rails
Firmware	Klipper (open-source, real-time)
Print Accuracy	±100 microns
Layer Thickness	0.05 mm minimum (variable)
Nozzle Temperature	Up to 300°C
Bed Temperature	Up to 110°C
Supported Materials	PLA, ABS, PETG, PLA-CF, Nylon (PA), others ≤300°C
Filament Diameter	1.75 mm / 3.0 mm
Nozzle Sizes Available	0.2 / 0.3 / 0.4 / 0.6 / 0.8 / 1.0 / 1.2 up to 2.0 mm
Spool Compatibility	1 kg and 3 kg spools (independent filament cabinet)
File Formats	STL, OBJ, G-code
Slicer Compatibility	Simplify3D, OrcaSlicer, Cura, and other Klipper-compatible slicers
OS Compatibility	Windows, macOS, Linux

Component Pictures



Sealed Filament Cabinet



All-Metal Hotend