Shoe Last Prototyping Machine

(Sermoon D3 FDM 3D Printer)

Features

Industrial Grade Stability

Sturdy frame featuring thick metal plates and 4 vertical aerospace aluminum profiles. All the X,Y and Z axis are assisted with stainless steel linear shafts of 60HRC hardness.

The printer holds well against the inertia force of the moving printing head.

720h (30 days) non-stop steady printing*

8,000h failure-free steady printing*

* Data from Creality Lab

Precision-made to Minimize Mechanic Errors

The integrated XY axis gantry system is CNC machined with 0.0lmm precision for a seamless fit.

The precise high-torque motors and durable timing belts and pulleys further reduce mechanical errors and boost accuracy.

Reliable Extrusion

at 300℃ Temperature

The "Sprite"dual-gear direct drive extruder delivers strong extrusion and retraction force.

The inner-polished copper alloy nozzle and bi-metal heat break work smoothly at a lasting high temperature with less heat creep.

And, it has the two large 5015 cooling fans.

Up to 5 Times of Printing Speed

The advanced stepper motor driver chip enables 1/256 microstepping, realizing smooth printing at up to 5 times of speed.

The production capacity will increase by several times for a given period of time.

PLA-2 times of speed on default*

PLA-Up to 3 times of speed*

ABS-Up to 5 times of speed*

Connected for a Smarter Way of Working

Remote Printing: Once the printer is connected via WiFi or RJ45 Ethernet port to the LAN or Internet, users can print from a PC or phone with Creality Print software or Creality Cloud App.

Remote Monitoring: With the built-in webcam, users can monitor the printing progress in real-time on the Creality Cloud. Time-lapse filming is also allowed.

Scale It Up With Multi-printers Control

With multiple Sermoon D3 printers connected to the LAN or Internet, models can be batch-printed according to a single command from Creality Print. Users can also divide a large model into small parts and print them with more printers.

Get Things Streamlined

From one-click model slicing, auto-leveling to model preview and remote control, the entire workflow is streamlined.

Less Cracking with Heat Contained

The heat bed adjustable up to 110C matches well with the heat-retaining enclosure.

The print now has an even and hot enveloping atmosphere free from ambient airflow, thus less cracking and edge curling.

Considerate Safety Features

The 2 built-in HEPA air filters will purify PM0.3 particles and toxic compounds generated during printing with ABS and other filaments.

When the door is opened during printing, the printer will send alarms, pause and quickly cool down, so as to prevent scalding or pinching.

Specifications

Printing Technology	FDM
Print Volume	300*250*300mm
Product Dimensions	695*670*700mm
Extruder Diameter	0.4 mm
Extruders	Two (2) dual independent extruders
Extruder Temperature (Max)	300°C
Extruder Type	"Sprite" dual-gear direct drive extruder
Leveling Mode	CR Touch auto-leveling
Display	4.3-inch touch screen
Platform Temperature (Max)	120°C
Build Surface	PC spring steel sheet. PEI Spring steel sheet
Slicing Software	Creality Print, Creality Slicer, Cura, Simplify3D
File Formats for Slicing	STL, OBJ, 3MF

UI Languages	English, Spanish, German, French, Russian, Portuguese, Italian, Turkish, Chinese
Printable File Format	G-Code
Print Speed	10 mm/s
Print Resolution	0.2 mm
Print Accuracy	0.1 mm
Layer Height	0.1-0.4 mm
Spool	External
Main Board	Integrated 32-bit silent mainboard
Data Transmission	USB Drive/ WiFi/ Ethernet / RJ45 cable
Input File Type	33mf / stl / obj / fpp / bmp / png jpg / jpeg
Output File Type	gx/g
Supported Filaments:	PLA / ABS / PVA / PETG / HIPS / PA PC / WOOD / ASA / PA-CF / PA-GF / PET / PC-ABS / TPU95A / TPC / PLA-CF / PET-CF
Filament Diameter	1.75 mm
File Transfer	U-Disk, LAN, Creality Cloud
Nozzle Kit Type	Copper Alloy Nozzle Kit, Hardened Steel Nozzle Kit
Rated Power	500 W
Power Supply	220 V / 60 Hz
Power Loss Recovery	Yes
Filament Runout Sensor	Yes
Pause While Opening Door	Yes
Air Filtration	Yes
Camera	Built-in 1080P HD Camera
Net Weight	45kg
Gross Weight	50kg