

MF3D-200 Technical Specifications

MECHANICAL PERFORMANCE

Precision	±0.1 mm
Maximum Printing Speed	180mm/s
Maximum Printing Area	190mm*120mm
Function of Plate	Heated to 110 °C

HARDWARE

Connection Type	SD Card & USB
Pressure Control System	Twin Channel, Positive & Negative Air Pressure

SOFTWARE

Operational Software	Modeling Software, Slice & Route Layout Software
----------------------	--------------------------------------------------

FUNCTION

Pneumatic Extrusion	Complicated Structure Printing
Channel & Function	Twin Channel, Extendable FDM/ Pneumatic Extrusion or Pneumatic Extrusion Channel A/ Pneumatic Extrusion Channel B
Surface Printing	Support Conformal Printing of Specific Structure

MATERIALS

Material Requirements

Thermoplastic Materials in FDM Print Mode,
High Viscosity, Self-sustained Materials in Pneumatic Extrusion Print Mode,
Say, Organic Small Molecule, Polymer, Inorganic Nano-materials,
Conductive Silver Paste, Carbon Paste, Liquid Metal, Silica Gel, Hydrogel, etc.

FUNCTIONAL PARAMETERS

Route & Pattern

The DIA of Pneumatic Print Head
Standard: 210 μ m
Finest: 60 μ m

3D Structure

Maximum Printing Height: 200 mm

APPLICATION

Scenarios

Structural Layer / Functional Layer or Hybrid Printing

Fields

Scientific Research, Education, Maker