Pratham 3 Rapid

VIEW DEMO

NEW AGE FDM 3D PRINTER
WITH AN ADVANCED TECHNOLOGY.

Rule the Sky of High-Speed 3D Printing

Build Volume : 300 × 300 × 300 mm
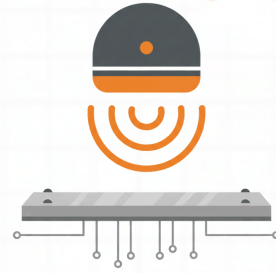
Up to 500 mm/s High-Speed Printing

A new-age industrial-grade FDM 3D printer designed for maximum speed, stability, and accuracy. Built with next-generation motion system, high-flow extrusion, and powerful computing capabilities
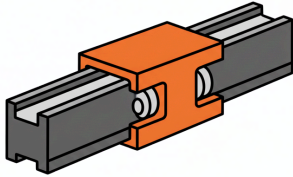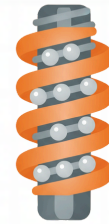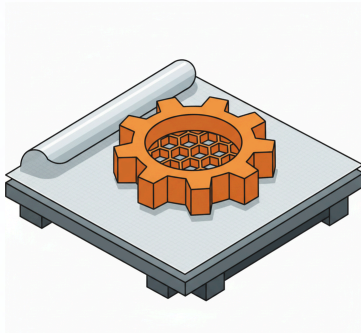
Key Features

High-Speed Printing (500 mm/s)

Advanced Automatic Bed Level

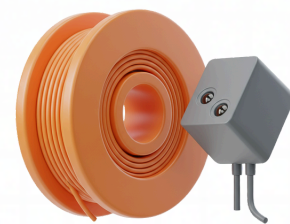THK Linear Motion Guide (XY Axis)

THK Linear Motion Guide (XY Axis)

Magnetic PEI Build Plate
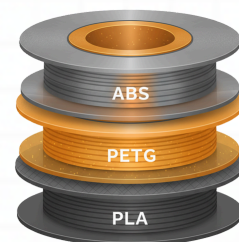
High Flow Hotend (30 mm³/s)

Enclosed Filament Chamber

Filament Runout + Jam Sensor

IPS DISPLAY

5-inch IPS Touch Display

Multi-Material Compatibility

300°C High-Temp Nozzle

Connectivity (USB + WiFi + Ethernet)

HEPA+Carbon Filter for Safety

Enclosed Industrial Body

MADE IN INDIA

GLOBAL QUALITY, LOCAL PRIDE

local service, local spares, local support

- Made in India – designed, manufactured and supported locally
- Built to handle long-hour printing in workshop environments
- Local spare parts and India-wide support for minimum downtime
- Hindi/English support options for teams across India

Technical Specification of Pratham 3.0 Rapid

Print Technology	Fused Filament Fabrication High Speed
Build Volume	300x300x300 mm
Layer Resolution	0.08/0.1/0.2/0.3/0.4 mm
Dimensional Tolerance	0.1 to 0.2 mm
Print Speed	upto 500 mm/sec High Speed
Extruder Temp	300°
Printbed Temp	120°
Nozzle Size	0.4 mm Standard (0.3/0.5/0.6/0.8 mm Changeable)
Heatbed Build Platform	Yes (Magnetic PEI Sheet)
Filament Diameter	1.75 mm
Filament Compatibility	ABS/PLA/Flexible TPU/PETG/Carbon Fiber Composite ASA/HIPS
Operating Control	Touch Screen Control
Software Bundle	Orca/Simplify3d License (Optional)
Operating System	Windows/Mac
Supported File Formats	STL Or Gcode
Connectivity	USB/Wi-Fi / Ethernet
Power Requirements	230V, 50Hz, 550W
X-Y Gantry	THK Linear Motion Guide
X-Y Precision	11 Microns
Z Precision	10 Microns (With Industrial Leadscrew)
Printer Dimension	800 L x 630 W x 750 H mm
Printer Weight	75 KG
Shipping Weight	85 KG with accessories

ISO 14001 CE ISO 9001

📍 Plot -36A, Nilkanth Industry, Ved road, Katargam,Surat-395004, Gujarat,India.

🌐 www.make3d.in

✉ info@make3d.in | sales@make3d.in | support@make3d.in

📞 +91 93135 52112 | +91 8866710006