3D Fused Deposition Modelling / Fused Filament Fabrication Printer

Specialise Products Private Limited is an Indian Original Design Manufacturer (ODM), who Conceptualise, Design and Manufacture customized machines as per customer's requirement.

We already Conceptualised, Designed and Manufactured Laser Assisted 3D Bio Printer (<mark>Patent Applied</mark>), 3D Direct printer (no need for Filament, directly input your materials in Power/Granules OR Semisolid form), Liquid (Drop on Demand) 3D Printer, Automatic Laser Exposure and Scanning System (ALES) to name a few. We are always eager to understand customer's pain points and provide customise solutions which are not available in the market.

Our 3D Fused Filament Fabrication Printer can be of Dual Extruder OR Single Extruder. Dual Extruder can be multicolour.

Technical Specifications – Model 3D_FDM_ENCL	
Printer Description	Bowden+ Direct Drive Equipped Dual Extruder 3D Printer is Robust, Rigid, and having Flexibility of using third party open-source material as well as advance grade OEM Certified Material.
Printing Technology	FDM/FFF
Build Volume	X = 500 mm, Y = 500 mm, Z = 500 mm
Layer thickness	Less than 800 micron
Print accuracy	150 micron (better than 250 microns)
Travel Speed	300mm/sec
Print Speed	Will be around 200mm/sec
Max extruder temperature	180 to 400 deg C
Nozzle Diameter	0.4mm to 1mm
Filament Diameter	1.5 to 2mm
Supported Material	PLA/ABS/HIPS/PC/TPU/NYLON/PETG/ASA/PVA/PP/PA-GF/PA-CF
File formats	STL, 3MF, OBJ, GCode
Bed Levelling	Automatic Bed Levelling.
Display	colour touch screen display.
Features	Onboard RESET switch to emergency stop Closed safety enclosure with transparent glass. Powder coated with internal LED, Resume capacity on power failure and filament sensor. Sealed Chamber temperature 30 to 50 degree Celsius for ABS, PETG and HIPS materials.
X Y Z Motion	Linear rail guide with ball screw for XY axis and Ball screw for Z axis
Connectivity	USB Drive, Udisk SD Card
Build Plate Temperature	Room Temperature to 150° Celsius
Power requirement	220VAC, Single Phase, 50 Hz, Max 600 W and compatible to 15A
Slicing Software	3D Printer integrated with professional advance 3D part manufacturing having perpetual licence software running on Windows OS.
Training & Installation	Standard 2 day training session will be provided to the users by Certified trainer.
Warranty	Standard warranty for 1 years. If user desires for more years, cost will increase.
HSN Code	84433290