



WIPRO 3D F300-2



**Advanced FFF Printer
for Industrial Applications**

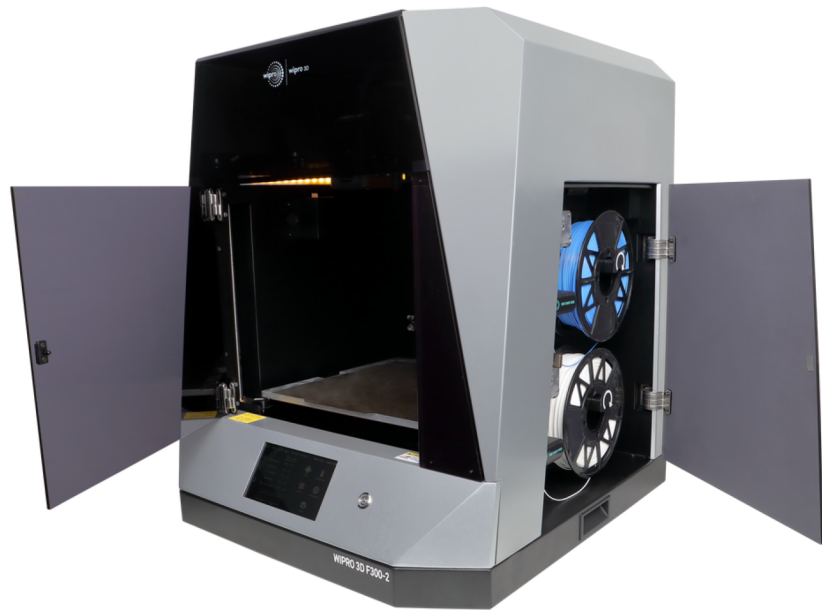


**DESIGNED & MANUFACTURED
IN INDIA**

A Wipro Product

WIPRO 3D F300-2

Industrial Grade 3D Printer



Key Features

- Prepare - Load - Print
- Wi-Fi Connectivity
- Kinematic 3 Point Bed Leveling
- Remote Monitoring & Control
- Sensor for Automatic Calibration

Ease of Use

- Touch Screen Console
- Filament Runout Notification
- Live Feed Camera
- Automatic Shutdown
- Cloud Connect Feature

Build Chamber

- 300 x 300 x 300 mm Build Volume
- Heated Aluminium platform
- Dual Filtration System
- Temperature Controlled Build Chamber
- Supported OS - Mac OS X/ Windows 7 & later/ Linux

Hotend

- Dual Nozzle
- Advanced Nozzle Cleaning System
- Hotend Lifting Mechanism

Operating Temp.

- Platform Temp. up to 120 °C
- Hotend Temp. up to 310°C

Materials

- Wide Material Range And Compatible With External Filaments
- 1.75 mm dia Filament
- Soluble Supports
- Print head for printing metal fused

Quality

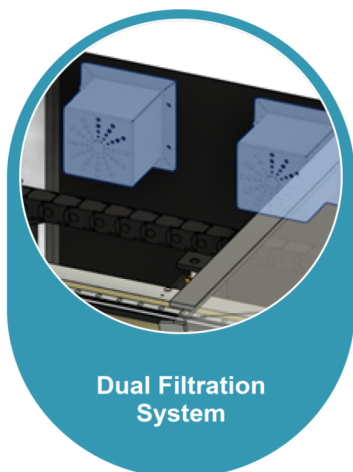
- Warm Filament Storage Bay
- All Metal Body
- Bowden Type Extrusion



Smart Runout Sensor



Magnetically Latched Base Plate for Improved Performance



Dual Filtration System

Distinct Features



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Technical Specifications

Device	
Printing Technology	Fused Filament Fabrication (FFF)
Print Head	Dual Nozzle
Layer Resolution	100 - 400 micron
Build Plate	Heated Aluminium Platform with Flexible Build Plate, held in place with High-Performance Magnets.
Build Volume	300 x 300 x 300 mm (11.8 x 11.8 x 11.8 in)
Material Container	Inbuilt Material Dispensing Unit with Smart Filament Runout Sensor & Humidity Monitoring
Material Diameter	1.75 mm (0.069 in)
Nozzle Diameter	0.4 mm and other standard 0.6mm diameter
X, Y, Z accuracy	10 microns in all
Print Head Travel Speed	Up to 200 mm/s
Nozzle Heat Up Time	~1 min
Build Plate Heat Up Time	<4 min
Average Operating Sound	< 50 dB
File Transfer	USB, LAN, Wi-Fi
Build Plate Leveling	Kinematic 3 Point Platform Balancing with Intelligent Mesh Levelling System
Support	Soluble support printable with the second print head
Extruder	Dual Nozzle with In Situ Nozzle Lifting System
Hotend Cooling System	Two axial fans cooling the hotend One radial fan cooling the print
Hotend	E3D V6 Hotend
Platform	PEI Coated Flexible Spring Steel (Heated and Magnetically Latched)
Material Endstop	Mechanical
Connectivity	Wi-Fi, Ethernet, USB
Supported OS	Mac Ox X / Windows 7 & Later / Linux
Processor	Quad Core Cortex-A72
Touchscreen	7" Capacitive
Camera	5 MP Wide-angle Camera 130° FOV
Materials Compatible	PLA, ABS, ASA, HIPS, PET-G, Nylon (PA6, PA12, PA6-CF, PAHT-CF), TPU90A, TPU95A, PC, PC-FR, ESD, FLEX, GLASS, different composites, and compatible with metallic filaments like 316 and 17-4PH and more

Software	
Software Bundle	Simplify 3D or Other Slicing Softwares
Supported File Types	.stl, .obj, .3mf, .ply
Supported OS	Mac OS X / Windows 7 & Later / Linux
Features	All basic and advanced features of slicing, build preparation, wall thickness analysis, linear dimensional data, various infill density, and ONE CLICK PRINT feature etc.

Printing	
Technology	FFF (Fused Filament Fabrication)
Layer Height	0.2 mm (Default)
Wall Thickness	0.4 mm (Minimum)
Platform Levelling	Three Point Levelling
Modes	Variable Speed Mode

Temperature	
Max Printing Temperature (Extruder)	310° C (590° F)
Maximum Platform Temperature	120° C (248° F)
Ambient Operation Temperature	20 - 30° C (68- 86° F)
Storage Temperature	0 - 35° C (32- 95° F)

Weight and Physical dimensions	
Physical Dimension (W x D x H)	645 x 610 x 720 mm (25.4 x 24 x 28.3 in)
Weight	~ 50 kg

Electrical	
AC Input	Single Phase 220 V, 5 Amp. 50 Hz.
Maximum Power Consumption	950 W

Additional information
All information contained in this brochure and specification is subject to change without notice.

Use Cases



Get in touch



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