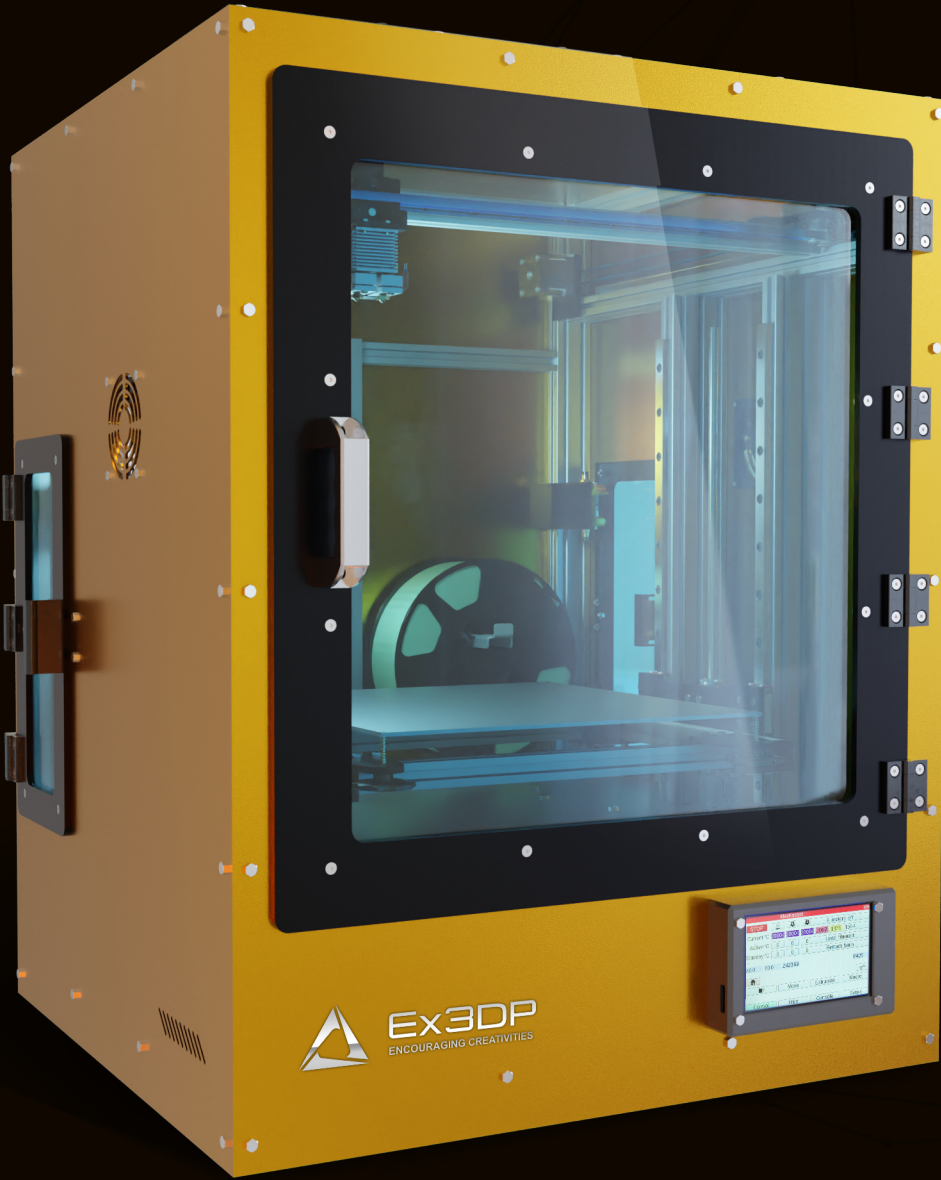




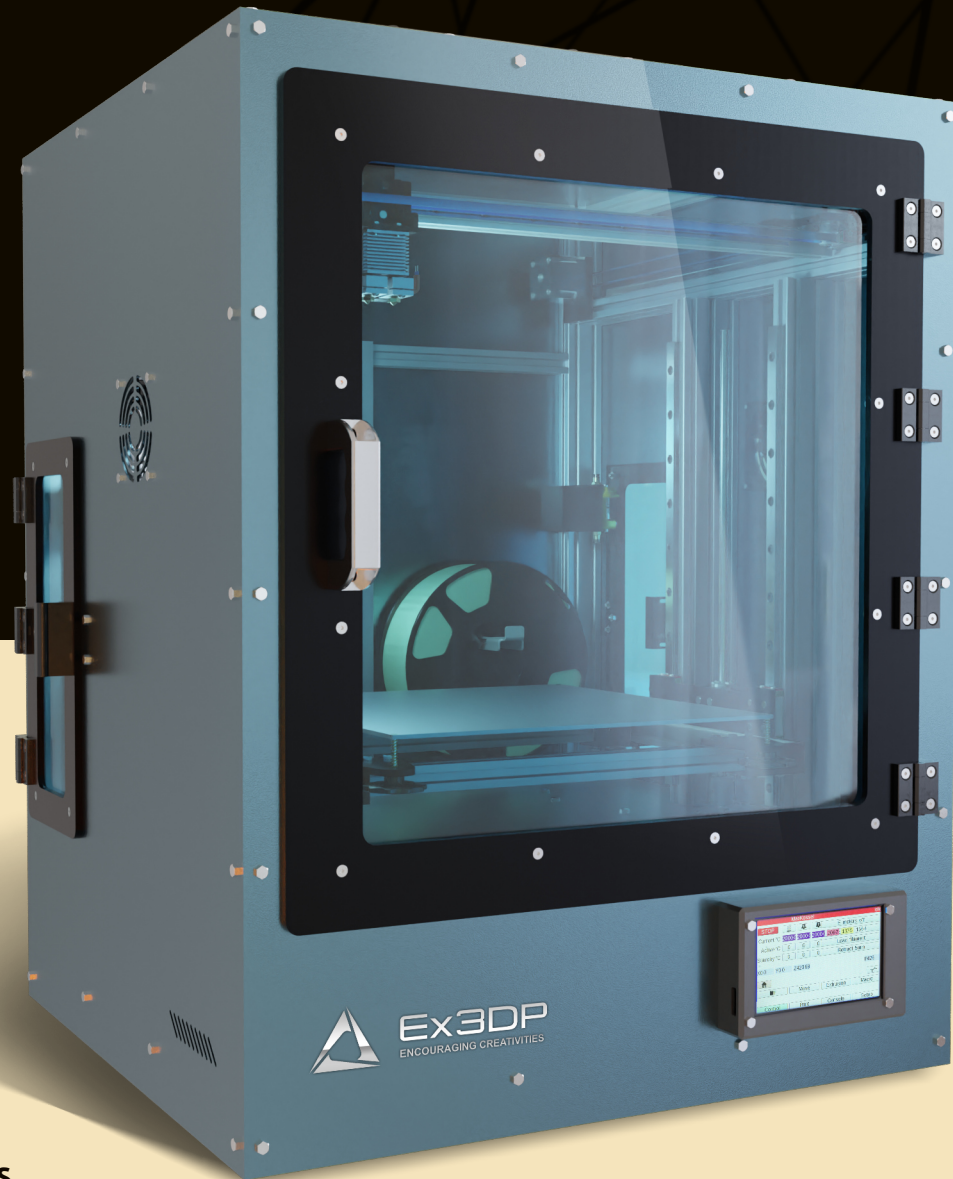
EX3DP
Embracing Excellence



JRD Series

Technical Specification Sheet





JRD Series

A powerful machine for all your bold ambitions.

Bigger volume. Sturdy design. Highest precision. JRD Series offers our most powerful 3D printers, designed to power your boldest ideas. It is made keeping the industrial requirements in mind. Industry-leading components are added to provide optimal performance individually and give the finest output working together. A highly precise movement system, aluminum build plate, powerful motherboard, substantial build space, high-temperature compatibility, and our widest filament support together push the boundaries of what is possible.

Key features

For all types of heavy users.

JRD Series offers our largest build volume yet. The build size of 300 x 300 x 300 mm is ideal for printing a wide variety of materials for a wide range of users. Build size such as 500 x 500 x 500 mm is available on request. Print prototypes, manufacturing aids, or final products with JRD Series printers.

A lot of filaments for a lot of creativity.

Different products. One printer. JRD Series printers are compatible with almost all types of filaments. So, no matter your aspirations, JRD Series is the right match. The supported filaments include PLA, ABS, ASA, PETG, Nylon, PC, HIPS, Carbon filled, and Wood Filled.

Precision and Speed.

Print faster with remarkable accuracy. JRD Series printers come with dual extruders that print with XYZ accuracy of 0.1 mm and a printing speed of 100-130 mm/s. With dual extruders, you can use two filaments simultaneously, providing flexibility in color, material strength, and support structure.

No Headaches. Only Seamless Operations.

JRD Series printers are extremely simple to use. We also provide onsite training and 24/7 support. The different connectivity options give you the flexibility to print designs your way. Just send the file using WiFi and start the print or use a USB or an SD card when the internet's not working. The touch display makes device interaction fun while making maintenance and setup easy.

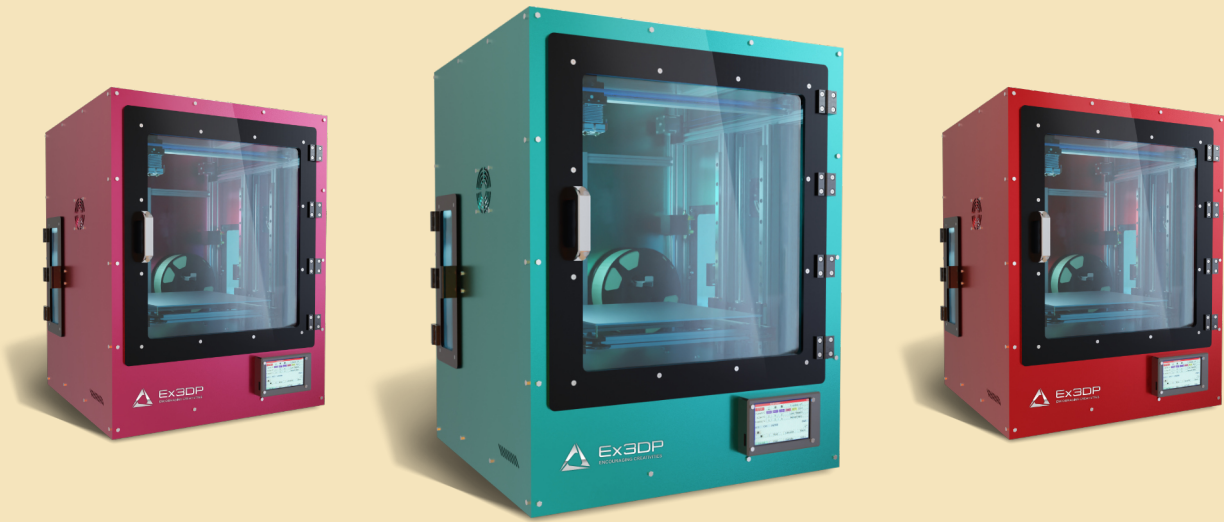
Sturdy Design. Strong Performance.

JRD Series sports an enclosed design with a metallic body that is equally robust and pleasing to watch. A constant temperature is maintained because of the enclosed structure, enhancing stability and precision. Its heated aluminum build plate is perfect for printing engineering products and provides a consistent surface finish. The build plate can support temperatures up to 150 degrees Celsius, making it suitable for even the intricate materials. Two heat beds are provided for ease of operations.

Less Noise. More Impact.

The advanced motherboard and TMC 2209 drivers add so much power to the printer with admirably low noise.

Specifications	JRD Mini	JRD Pro
Technology	FFF (Fused Filament Fabrication)	FFF (Fused Filament Fabrication)
Type	Cartesian	Cartesian
Types of extruder	Bowden extruder	Bowden extruder
No. of extruders	Two	Two
Build Volume	200 x 200 x 200 mm ³	300 x 300 x 300 mm ³
Filament Diameter	1.75mm	1.75mm
Layer resolution	0.08 mm	0.08 mm
XYZ accuracy	0.1 mm	0.1 mm
Print head travel speed	180 mm/s	180 mm/s
Printing Speed	100 -130 mm/s	100 -130 mm/s
Build Plate	Heated (Al) build plate	Heated (Al) build plate
Build Plate Temperature	Up to 150° Celsius	Up to 150° Celsius
Materials	PLA, ABS, ASA, PETG, PVA, Wood Filled, Nylon, HIPS, Carbon filled,	PLA, ABS, ASA, PETG, PVA, Wood Filled, Nylon, HIPS, Carbon filled,
Nozzle diameters	0.2 to 1.2 mm (Std. nozzle provided 0.4 mm)	0.2 to 1.2 mm (Std. nozzle provided 0.4 mm)
No. of Nozzles	TWO (Dual nozzle setup)	TWO (Dual nozzle setup)
Nozzle Temperature	180° to 300° Celsius	180° to 300° Celsius
Connectivity	Wi-Fi, USB and SD Card	Wi-Fi, USB and SD Card
Display	Touch screen Display	Touch screen Display
Power Requirements		
Input	100-240V, 4A, 50-60Hz, 221 W max	100-240V, 4A, 50-60Hz, 221 W max
Output	24V DC, 9.2A	24V DC, 9.2A
Software		
Supported OS	Mac OS, Windows and Linux	Mac OS, Windows and Linux
File types	STL and OBJ	STL and OBJ



1	Warranty	12 Months warranty against manufacturing defects + 12 Months free repairing 3 monthly free servicing (8 free servicing sessions in 24 months)
2	Heat Bed	Magnetic sheet +PEI sheet for easy print removal
3	Printer appearance	Enclosed and robust metallic body
4	Motion system	Linear rail + Lead screw
5	Operations	Noiseless operations
6	Print failure recovery	No need to bother about electricity failures. Prints can be resumed easily from the last print position
7	Auto bed leveling & compensations	Automated Z layer adjustment for better Z resolution
8	Toolbox	Equipped with essential tools for pre-printing & Post printing
9	Installation & Training	Free Installation & training. Two free video sessions to get used with the printer. 15 days from the date of purchase. If required extra training sessions will be arranged. Such sessions will be chargeable.

Note :

1. ABS and ASA to be printed in a properly ventilated environment. Printer door should be closed and all the necessary precautions to be taken as informed during the installation sessions.
2. Servicing session should be booked well in advance to avoid the delays. For servicing, printer should be sent to company location or necessary pick and drop charges to be paid by the customer.



Conect with us

Address: Marigold, Lane No.-7, Dahanukar Colony,
Kothrud, Pune, Maharashtra, India-411038

Phone: +91 20-67877061

WhatsApp: +91 9657875343

E-mail: enquiry@excelling3dp.com,
business@excelling3dp.com

