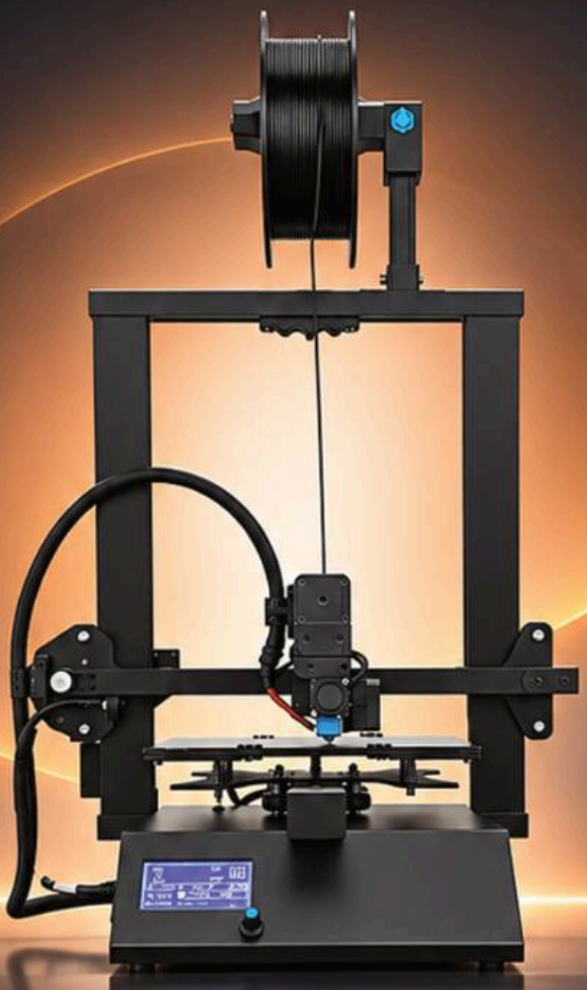
N1 3D Printer

Reliable. Precise. Versatile.

A High-Precision 3D Printer for
Makers, Students & Professionals.



250 × 250 × 270 mm
Build Volume

Up to
200 mm/s

PLA, PETG,
HIPS & Flexible

High-Accuracy
Printing (<0.1 mm)

Explore the N1 at **nfil3d.com**

02 — ABOUT US

DRIVEN BY EXPERIENCE.
BUILT FOR INNOVATION.

N-Fil3D was founded by individuals with more than 37 years of experience in manufacturing engineering plastic compounds and biopolymers, serving clients such as IFB, Crompton, Bajaj, Surya, Godrej and Symphony.

Your one-stop 3D printing solution

We manufacture a wide range of high-quality 3D printers and 3D filaments, and supply 3D pens, 3D resins, 3D scanners, spares and accessories.

Quality at every stage

Our facility spans 4 lakh square feet and includes an in-house laboratory that tests the thermal, mechanical and rheological properties of each batch of 3D filament. We also run a range of 3D printers, including our own, to assess filament quality.

An Indian startup registered with the Government of India under DIPP (recognition number DIPP22873), certified to CE and ISO 9001:2015 standards.

37+
YEARS OF EXPERIENCE

4 lakh sq. ft.
MANUFACTURING FACILITY

In-house
TESTING & RESEARCH



03 — N1

MADE IN INDIA. BUILT IN METAL.



India's first made-in-India FDM 3D printer, on a strong metal frame.

A 250 × 250 × 270 mm build volume, a direct drive extruder and printing speeds up to 200 mm/s. Prints PLA, PETG, HIPS and flexible filament, at a price that stays practical.

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250 × 250 × 270 mm

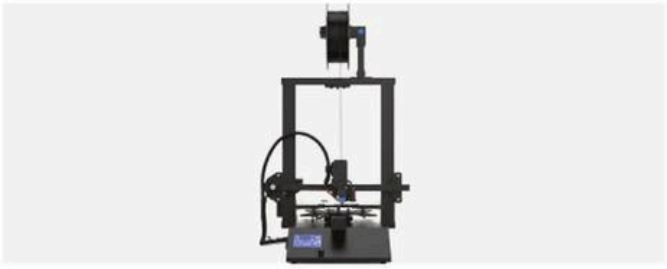
BUILD VOLUME

04 — FEATURES

SIX FEATURES. ONE RELIABLE PRINTER.

01

METAL FRAME



A strong metal frame keeps the machine stable through long and tall prints.

02

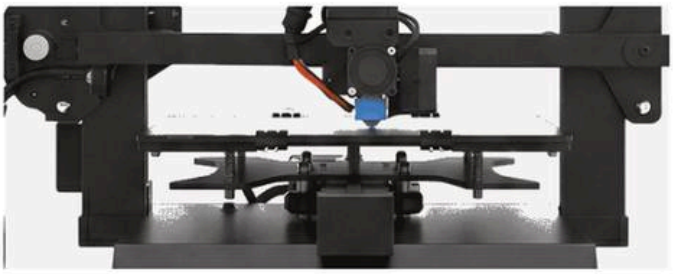
DIRECT DRIVE EXTRUDER



Smooth, consistent filament feeding, including flexible materials.

03

250 × 250 × 270 MM



Room for full-size prototypes, functional parts and architectural models.

04

UP TO 200 MM/S



Fast print speeds for prototypes and repeat parts when time matters.

05

STURDY GANTRY



Controlled movement on every axis for clean layers and consistent surfaces.

06

240 V POWER INPUT



Stable power delivery for reliable performance on long prints.

05 — TECHNOLOGY & PERFORMANCE

PERFORMANCE IN NUMBERS.

200 mm/s

PRINTING SPEED

270 mm

BUILD HEIGHT

10 kg

MACHINE WEIGHT

4

COMPATIBLE MATERIAL TYPES

EXTRUDER
Direct drive

FRAME
Metal, sturdy gantry

ORIGIN
Made in India



06 — APPLICATIONS & MATERIALS

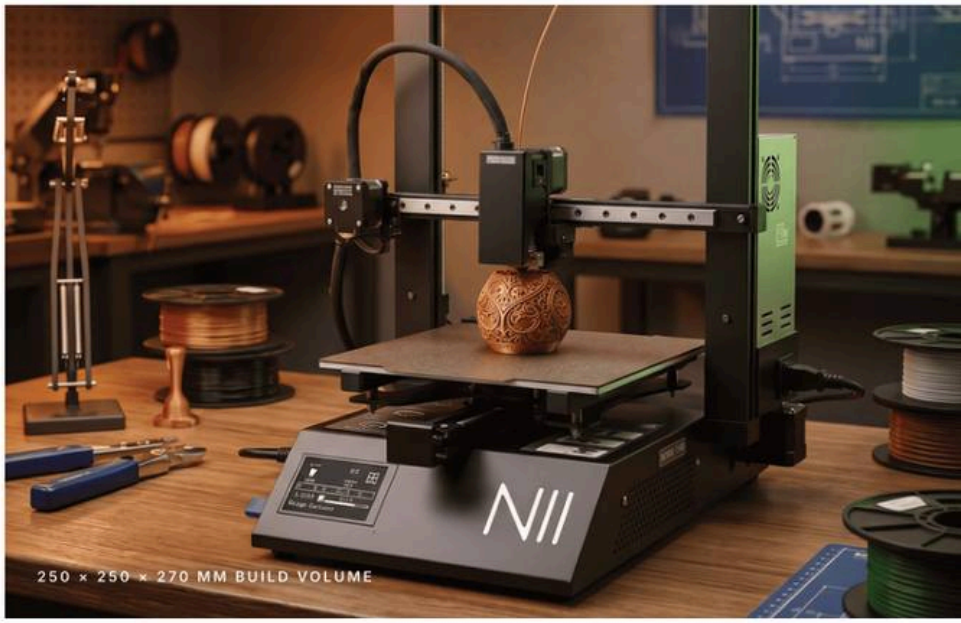
FOUR MATERIALS. FLEXIBLE INCLUDED.

PLA
POLYLACTIC ACID

PETG
POLYETHYLENE TEREPHTHALATE GLYCOL

HIPS
HIGH IMPACT POLYSTYRENE

FLEX
SELECTED FLEXIBLE FILAMENTS



TYPICAL WORK

01 **Product design and prototyping**

02 **Engineering and functional parts**

03 **Educational and STEM projects**

04 **Architectural models**

05 **Hobby and creative printing**



07 — TECHNICAL SPECIFICATIONS

TECHNICAL SPECIFICATIONS.

BUILD VOLUME	250 × 250 × 270 mm
MACHINE SIZE	490 × 580 × 670 mm
WEIGHT	10 kg

BUILD

Printer type	FDM / FFF
Build volume	250 × 250 × 270 mm
Frame	Metal
Gantry	Sturdy metal gantry

SPEED

Printing speed	Up to 200 mm/s

EXTRUSION & MATERIALS

Extruder	Direct drive
Materials	PLA, PETG, HIPS
Flexible filament	Selected compatible grades

MACHINE

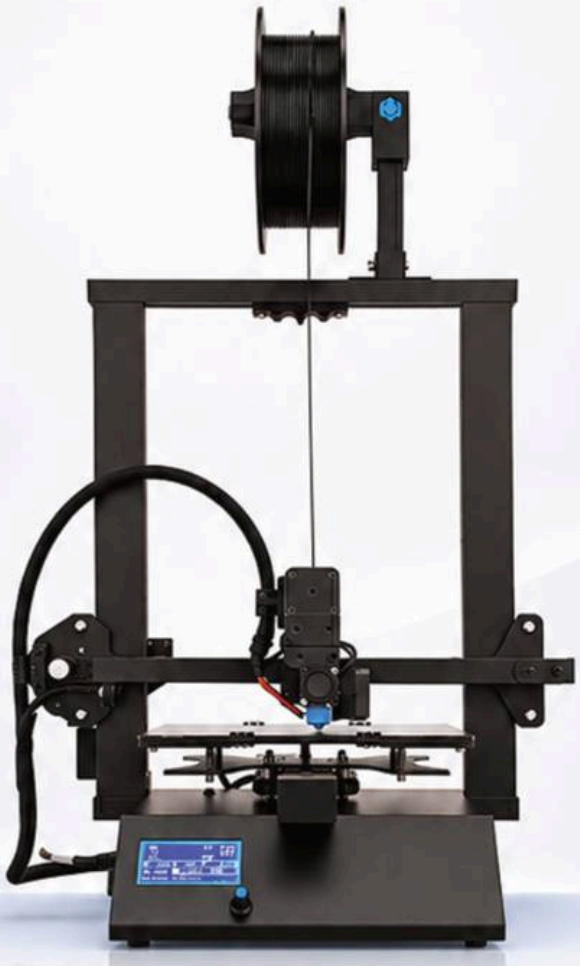
Dimensions (D × W × H)	49 × 58 × 67 cm
Weight	10 kg
Power	240 V
Manufacturing	Made in India



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Reliable Prints, Every Time.

A High-Precision 3D Printer for
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