N2 3D Printer

Bigger Builds. Better Performance.

A feature-rich 3D printer for makers, professionals & businesses.



250 × 250 × 300 mm
Build Volume

Up to
200 mm/s

Dual Gear
Extruder

Linear Rail
Motion

Explore the N2 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 — N2

PRECISION. ON EVERY RAIL.



250 × 250 × 300 mm of build volume on a linear-rail motion system.

Dual lead screws on the Z-axis, a dual gear extruder and a magnetic bed. A touch LCD screen, auto resume after power cuts, and printing online or offline from SD card or USB.

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250 × 250 × 300 mm

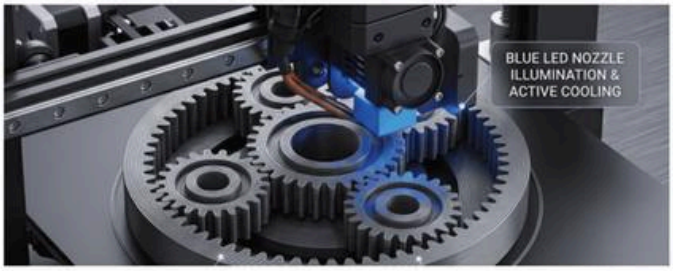
BUILD VOLUME

04 — FEATURES

SIX FEATURES. ONE PRECISE PRINTER.

01

LINEAR RAIL MECHANISM



Linear rails guide the motion for smooth travel and accurate prints.

02

DUAL LEAD SCREW Z-AXIS



Two lead screws lift the gantry evenly for stable, consistent layers.

03

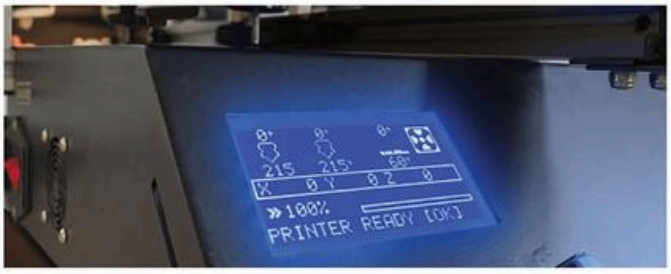
DUAL GEAR EXTRUDER



Grips filament from both sides for reliable feeding, flexible materials included.

04

TOUCH LCD SCREEN



Set up, monitor and control prints from a clear touch display.

05

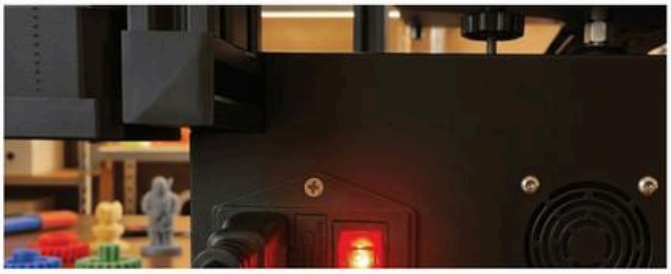
MAGNETIC PRINTING BED



Flex the plate and the finished part pops off. No scraping.

06

AUTO RESUME



If power drops, the N2 picks the print up where it stopped.

05 — TECHNOLOGY & PERFORMANCE

PERFORMANCE IN NUMBERS.

300 mm

BUILD HEIGHT

1.75 mm

FILAMENT DIAMETER

2 ×

Z-AXIS LEAD SCREWS

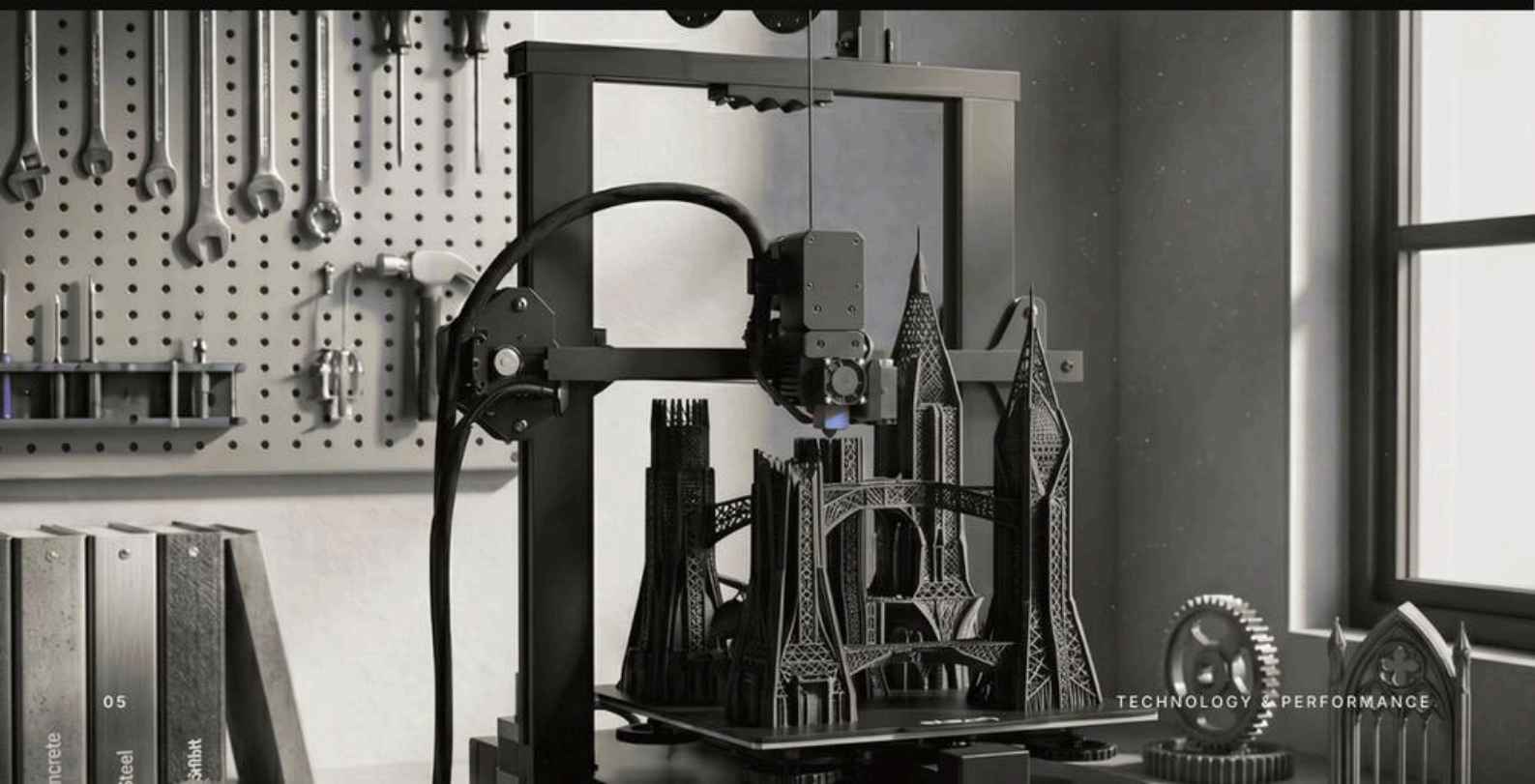
4

COMPATIBLE MATERIAL TYPES

DISPLAY
Touch LCD

PRINT BED
Magnetic

WORKING MODE
Online / SD card / USB



06 — APPLICATIONS & MATERIALS

FOUR MATERIALS. FLEXIBLE INCLUDED.

PLA
POLYLACTIC ACID

PETG
POLYETHYLENE TEREPHTHALATE GLYCOL

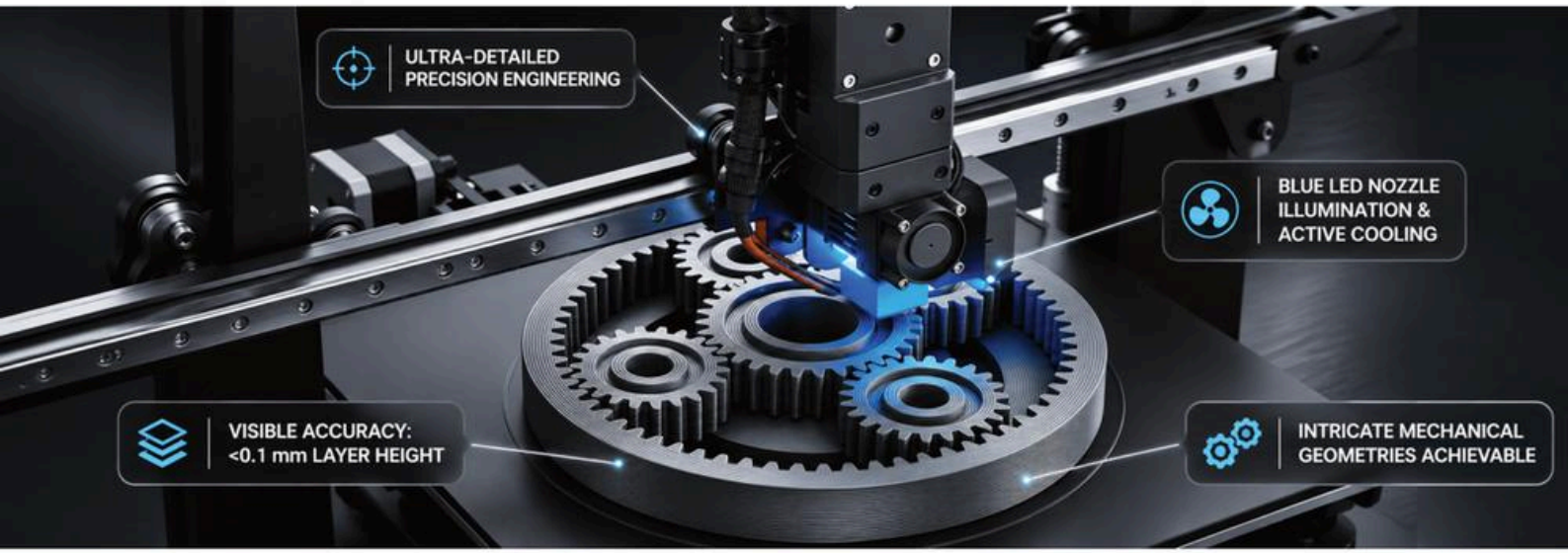
HIPS
HIGH IMPACT POLYSTYRENE

FLEX
SELECTED FLEXIBLE FILAMENTS



TYPICAL WORK

01	02	03	04	05
Product development and prototyping	Engineering and functional parts	Educational and STEM projects	Architectural models	Creative and DIY projects



07 — TECHNICAL SPECIFICATIONS

TECHNICAL SPECIFICATIONS.

BUILD VOLUME	250 × 250 × 300 mm
FILAMENT DIAMETER	1.75 mm
Z-AXIS	Dual lead screw

BUILD

Printer type	FDM / FFF
Build volume	250 × 250 × 300 mm
Motion system	Linear rail mechanism
Z-axis	Dual lead screw

OPERATION

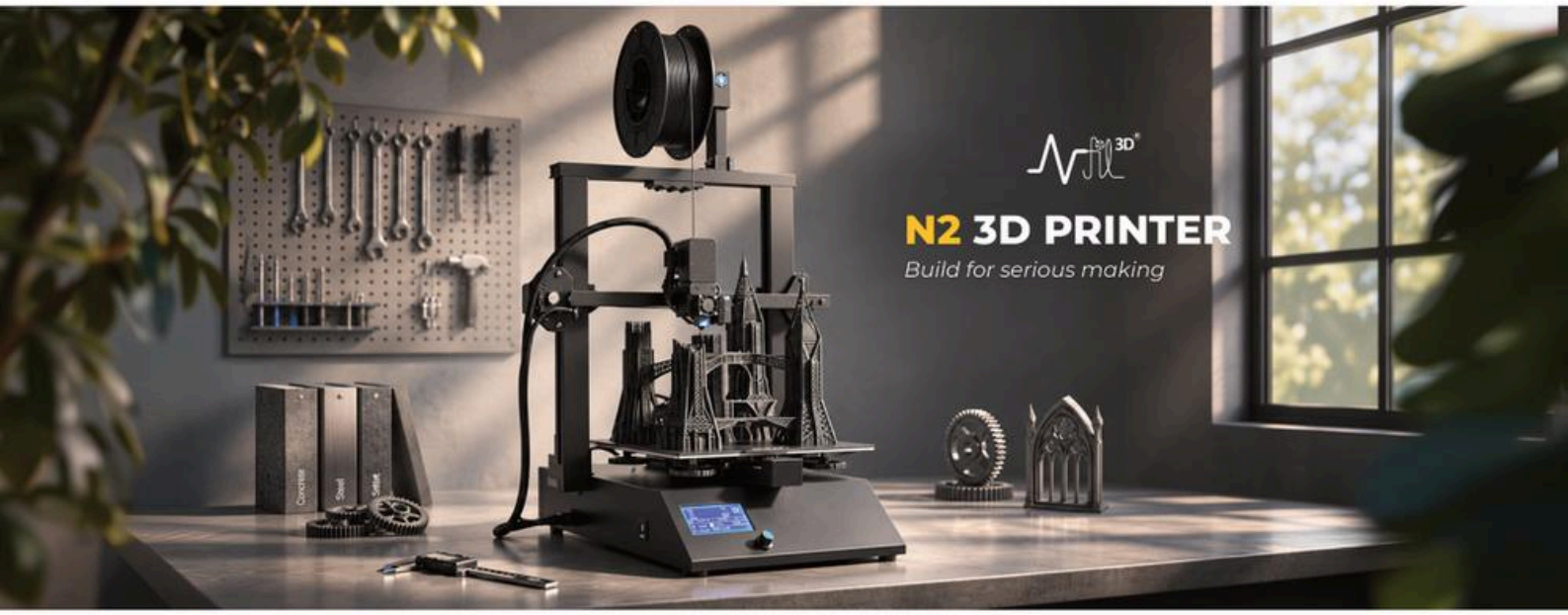
Display	Touch LCD screen
Print bed	Magnetic printing bed
Power recovery	Auto resume
Power	240 V low voltage

EXTRUSION & MATERIALS

Extruder	Dual gear extruder
Filament diameter	1.75 mm
Materials	PLA, PETG, HIPS
Flexible filament	Selected compatible grades

CONNECTIVITY

Working modes	Online and offline
Offline media	SD card / USB pendrive



nfil 3D®

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BIGGER BUILDS, *HIGHER PERFORMANCE.*

A Feature-Rich 3D Printer for
Professionals, Makers & Businesses.



Linear Rail Motion

Dual Lead Screw

Dual Gear Extruder

Touch LCD

Magnetic Bed

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