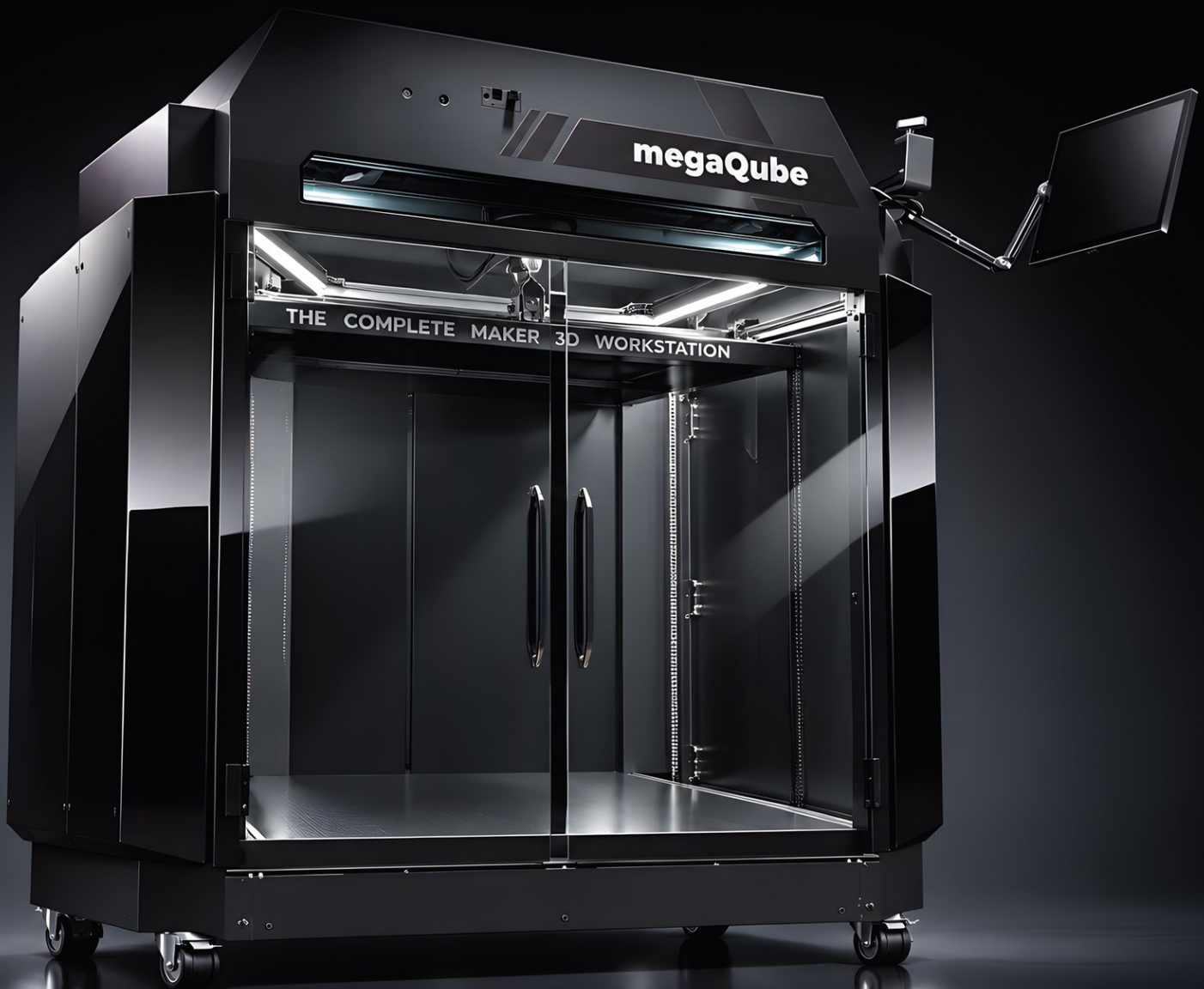
MEGA QUBE

BUILD BIGGER



NFIL3D

LARGE-FORMAT FDM 3D PRINTER.

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 — MEGA QUBE

ONE METRE. EVERY AXIS.



1000 × 1000 × 1000 mm of build volume. Full-size parts in one piece, without splitting or gluing.

A fully enclosed chamber with glass doors, Quad Gantry Leveling and a heated bed up to 120 °C. It rolls on castors, so the machine moves with the work.

1000 × 1000 × 1000 mm

BUILD VOLUME

04 — FEATURES

SIX FEATURES. ONE WORKSTATION.

01

ONE CUBIC METRE



A 1000 × 1000 × 1000 mm chamber for furniture, full-size prototypes and large industrial parts.

02

QUAD GANTRY LEVELING



The gantry levels itself at four points for a true first layer across the full metre.

03

12-INCH DISPLAY



A 12-inch HDMI display running Windows, mounted on an adjustable arm.

04

ORCA SLICER



Slice, send and monitor prints on the machine itself.

05

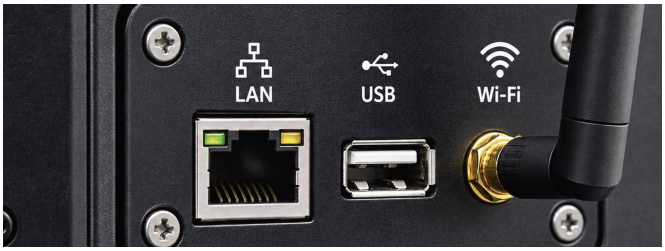
ANY DESIGN SOFTWARE



Model in Fusion 360 or any CAD tool you already use, then print straight from the workstation.

06

LAN / WI-FI



LAN, USB and Wi-Fi on one panel at the back. Send files and check progress from any device on your network.

05 — NOZZLE & HOTEND

ENGINEERED FOR PRECISION.

HOTEND

Phaetus Rapido X

with Liber High-Flow Module

360 °C

MAX. HOTEND TEMPERATURE

100 mm³/s

HIGH FLOW

0.4 0.6 0.8 1.0 1.2 mm

SUPPORTED NOZZLES





06 — TECHNOLOGY & PERFORMANCE

PERFORMANCE IN NUMBERS.

500 mm/s

PRINTING SPEED

1000 mm/s

TRAVEL SPEED

360 °C

MAX. HOTEND TEMPERATURE

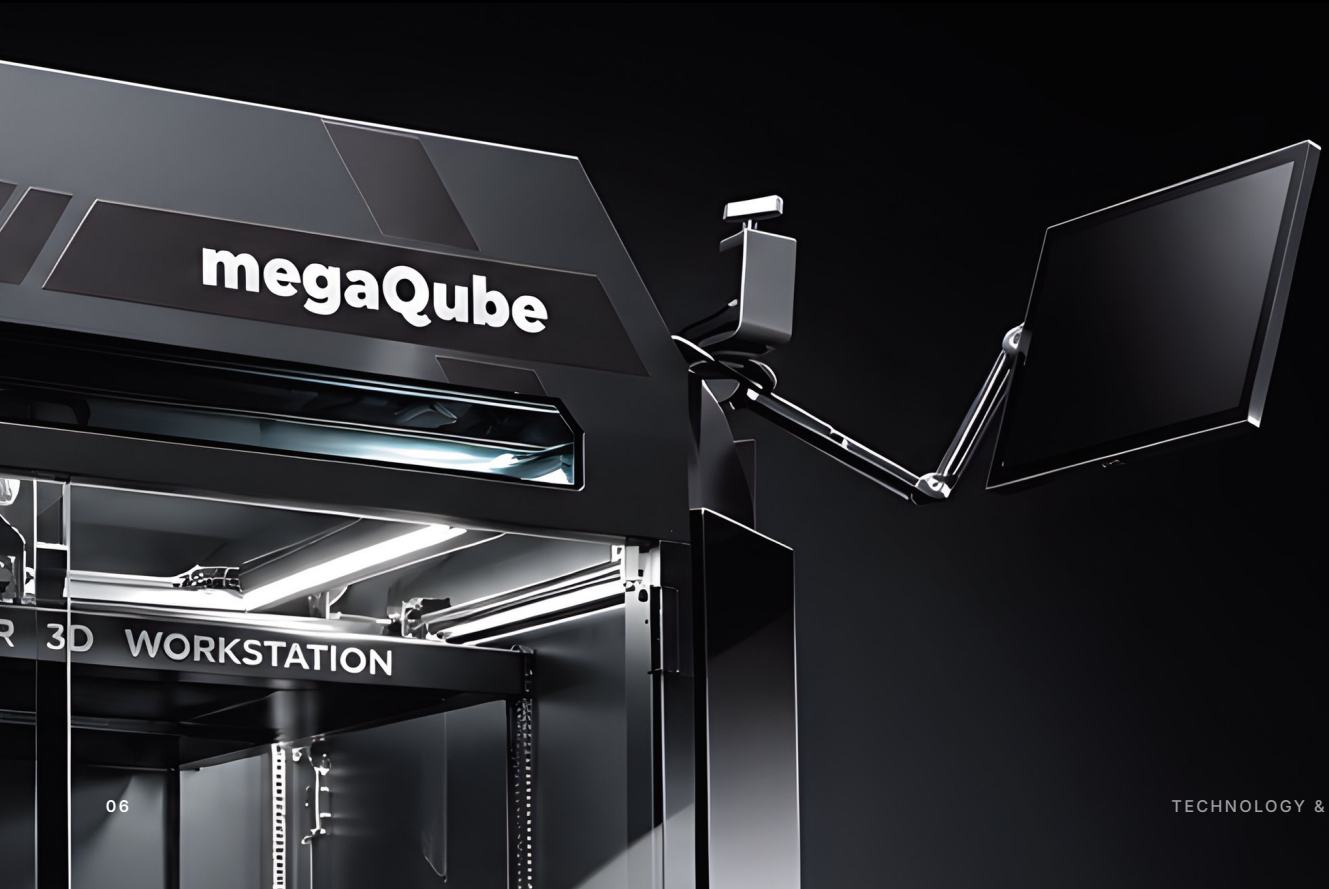
120 °C

MAX. HEATED BED TEMPERATURE

DISPLAY
12-inch HDMI

SLICER
Orca Slicer, built in

CONNECTIVITY
LAN / Wi-Fi



07 — APPLICATIONS & MATERIALS

SIX MATERIALS. AND MORE.

PLA
POLYLACTIC ACID

PETG
POLYETHYLENE TEREPHTHALATE GLYCOL

ABS
ACRYLONITRILE BUTADIENE STYRENE

TPU
THERMOPLASTIC POLYURETHANE

ASA
ACRYLONITRILE STYRENE ACRYLATE

PP
POLYPROPYLENE



1000 MM BUILD CHAMBER

TYPICAL LARGE-FORMAT WORK

01
Full-scale prototypes

02
Furniture and interior pieces

03
Architectural and display models

04
Patterns, moulds and formers

05
Large jigs, fixtures and tooling

08 — TECHNICAL SPECIFICATIONS

TECHNICAL SPECIFICATIONS.

BUILD VOLUME	1000 × 1000 × 1000 mm
MACHINE SIZE	1450 × 1600 × 1700 mm
PACKED SIZE	1760 × 1760 × 1900 mm

BUILD

Printer type	FDM
Build volume	1000 × 1000 × 1000 mm
Enclosure	Fully enclosed, glass doors
Bed levelling	Quad Gantry Leveling

SPEED

Printing speed	500 mm/s
Travel speed	1000 mm/s

EXTRUSION & THERMAL

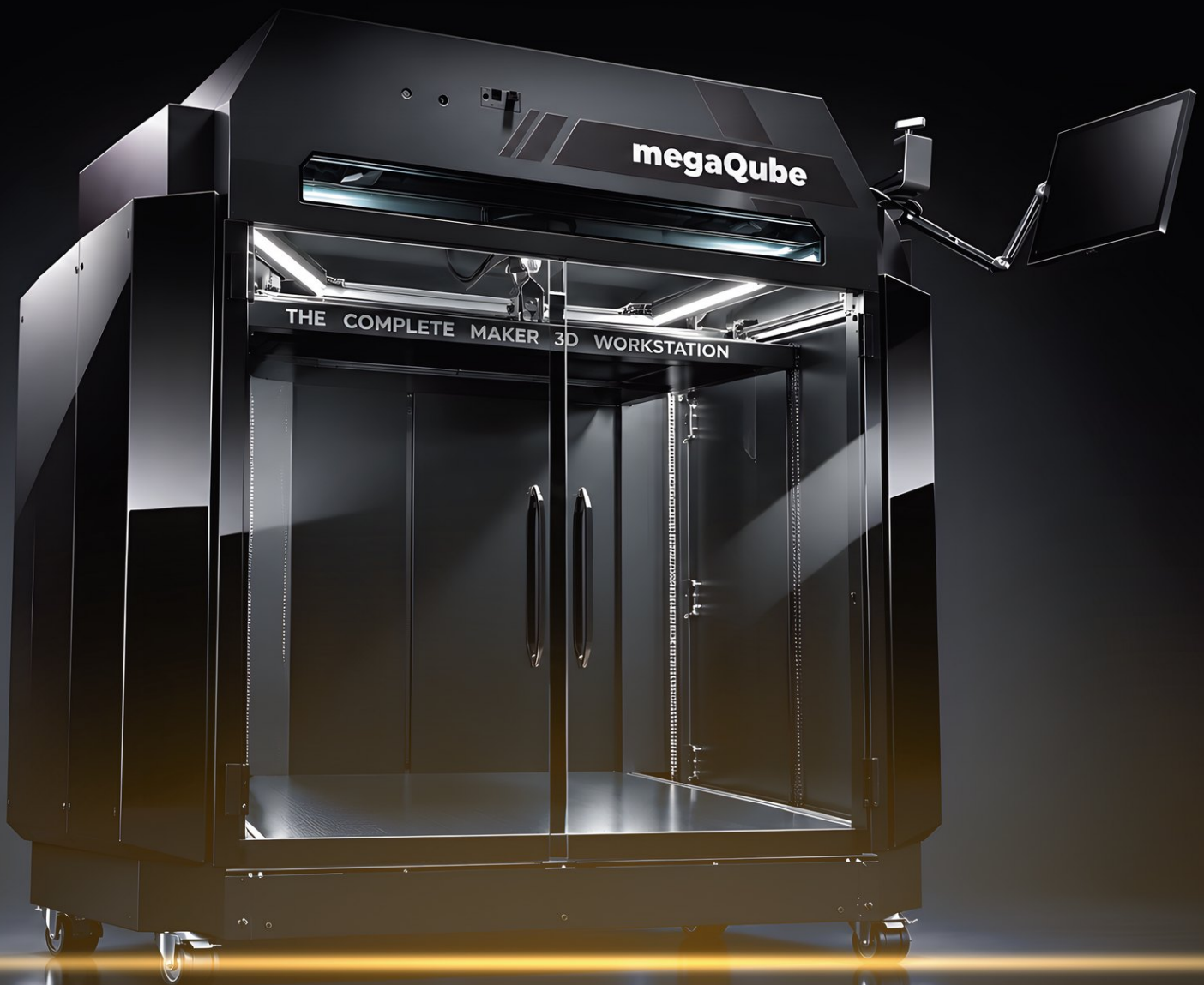
Supported nozzles	0.4, 0.6, 0.8, 1.0, 1.2 mm
Max. hotend temperature	360 °C
High flow	100 mm^3/s
Max. heated bed temperature	120 °C
Supported materials	PLA, PETG, ABS, TPU, ASA, PP and more

WORKSTATION

Display	12-inch HDMI
Operating system	Windows
Slicer	Orca Slicer, built in
Design software	Any, e.g. Fusion 360
Connectivity	LAN / Wi-Fi

Specifications are subject to change without notice.

THE FUTURE
TAKES SHAPE



NFIL3D.COM