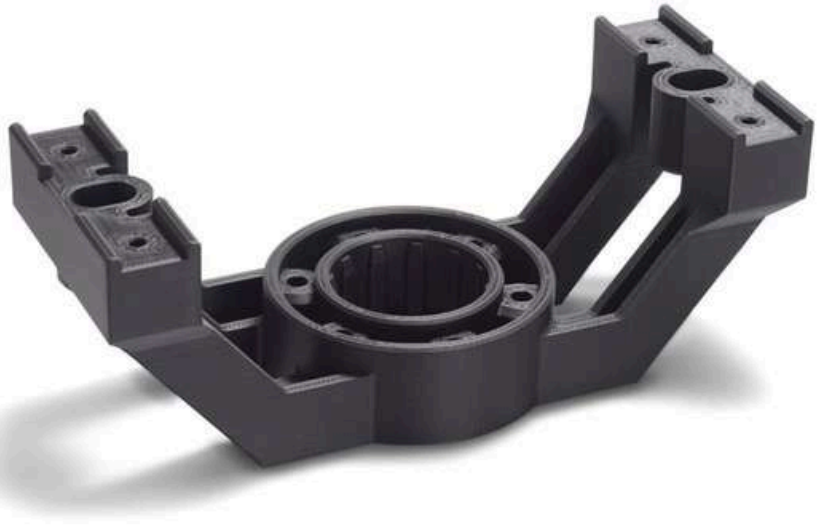
Go3D.in

Go3D Innovation LLP

Reliable, Affordable Industrial 3D Printing Solutions



We are reimagining what's possible in 3D printing

Reaching for new levels of realism, accuracy, speed, and performance

ABOUT US

At Go3D, we have set out to build an industrial FDM 3D printer that is durable enough to withstand the rigors of industrial environments, reliable enough to run 24/7, and able to repeat the process of manufacturing finished parts with precise replication.

We help you explore various possibilities to benefit your business through 3D printing. We have a various range of 3D Printing solutions to meet client requirements.

As a customer-driven company, our products are created with input from a diverse field of professionals on the cutting edge of design, engineering, and manufacturing. The result is a 3D printer ready to build customized parts on demand with consistent quality.

WHY US

Industrial FDM/FFF 3D Printer Manufacturer

Designed and Made in India 3D Printers

One of the Industrial Leaders in India

#startupindia

Govt recognized and DIPP certified startup

Go3D Artish 700

The Large Size Professional 3D Printer to Experience the Ease and Efficiency that 3D Printing Brings to the Factory Floor

Industrial 3D Printing made easy

Print big without the high capital investment. The Go3D Artish Pro 500 printer makes printing large, complex parts affordable, reliable and easy.

Print large or Print many

Artish Pro 500 is designed with size in mind. Print one or several large parts or take advantage of the printer's generous capacity to make multiple parts for maximum productivity. The spacious build envelope opens up new opportunities for manufacturing, prototyping and production-part applications that aren't available with smaller printers. There's no need to sacrifice on part complexity either.

Consistent Repeatability

Get accurate print results along with the repeatability and reliability that Go3D is known for. Our build chamber design is time-tested, ensuring precise thermal management across the build platen. This gives you consistent, successful print results, whether parts are big or small. Artish 500 embodies the same industrial-grade components and design philosophy that make Go3D a class leader for reliability and consistent performance.

Go3D Artish 700

The Large Size Professional 3D Printer to Experience the Ease and Efficiency that 3D Printing Brings to the Factory Floor

Advance Features

- Auto Bed Leveling
- Auto Z Align
- Swappable nozzles by using just fingers at ambient temperature
- Robust and Sturdy design
- Filament Runout Detection
- Filament Clogging Detection
- Direct Dual Drive Extruder
- Touch Display

Benefits

- Reduce cost and time of product development
- Drastic reduction in time to market
- Virtually Unlimited filament options
- Long duration prints without fear of print failure
- Consistent Quality
- Highly Durable

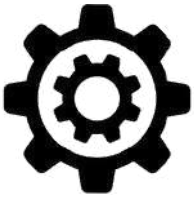
Industries

Automotive

Sand & Investment Casting

Gifting

Aerospace



Engineering

Education

Medical & Healthcare

Textile

Dye Manufacturing

Startups & Incubators

Investment Casting

Architecture

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Technical Specifications

Printer and Printing Properties	
Technology	Fused Filament Fabrication (FFF) / Fused Deposition Modeling (FDM)
Print head	Single Extrusion Print Head
Extruder type	Dual Metal Gear Direct Drive – All Metal Extruder
Build volume	700 (X) * 500 (Y) * 500 (Z) mm
Filament diameter	1.75 mm
Nozzle diameter	Swappable 0.4 mm by default (0.6/0.8/1.0/1.2/1.4 mm compatible) Nozzle can be swapped just using fingers at room temperature
Layer thickness	100 - 300 micron with 0.4 mm nozzle 200 - 400 micron with 0.6 mm nozzle 200 - 600 micron with 0.8 mm nozzle 300 - 700 micron with 1 mm nozzle 300 - 800 micron with 1.2 mm nozzle 400 - 800 micron with 1.4 mm nozzle
XYZ Precision	X – 12.5, Y – 12.5, Z – 2.5 micron
Print accuracy	± 250 microns or 0.002 mm per mm of dimensions (whichever is higher) (This accuracy is with 0.4 mm nozzle and 0.2 mm layer height)
Print speed	25 - 100 mm/s (to be set as per printing material, nozzle size, layer height and part geometry)
Print head travel speed	25 - 150 mm/s
Build plate	Specialized sheet with Glass Fiber
Heating bed	Silicon heat bed
Build plate temperature	Up to 120 ºC
Build plate leveling	Auto bed leveling
Z supported with two side stepper motor arrangement	Yes
Supported materials	PLA, TPU, PETG, ABS, ASA, PA, PC, PLA CF, PETG CF and many many more (CF = Carbon Fibre)
Nozzle temperature	Up to 300 ºC
Connectivity	USB port, WiFi
Filament runout detection	Yes
Nozzle clogging detection	Yes
Pause and resume Print	Yes

Power requirements	
Input	100 - 240V AC, 50-60Hz

Ambient conditions	
Operating ambient temperature	15 - 40^0 C, 10 - 90% RH non condensing

Software	
Supplied software	Go3D Slicer, Cura
Other Supported Slicer Software	Simplify 3D
Supported OS	macOS, Windows and Linux
File types	STL, OBJ
Machine code	GCODE

Applications & Use cases

Tap into the Power of FDM/FFF 3D printing and optimize resources

Product Development

Experience rapid prototyping for yourself with professional 3D printing solutions. Print. Test. Gauge response. Repeat. While shrinking lead times and slashing costs.

Manufacturing

Discover the ease and efficiency that 3D printing brings to the factory floor. Streamline retooling and accelerate assembly times, while achieving higher levels of precision.

End Use Parts

Go beyond rapid prototyping and deploy 3D printing applications for on-demand manufacturing. Custom one-offs, replacement parts, or even small-batch production runs.

Jigs and Fixtures

When convenience and quality come together in manufacturing, the results speak for themselves. Being able to 3D print jigs and fixtures whenever you need them reduces cost, improves safety and boosts efficiency. Prepare to meet demand like never before.

Architecture

Stun clients with eye-catching 3D printed architectural models. Or perform massing studies and experiment with various building design concepts, quickly and effortlessly.

Education

Spark students' creativity and imagination with 3D printing in the classroom. Prepare them for the future of manufacturing and careers in STEM.

Application: Product Development

Develop products faster with 3D Printing

Tap into the power of 3D printing for prototyping and go to market with new products faster and with more confidence. Evaluate designs, check shape and form, test prototypes, and gauge user response. As often and as quickly as you need.

Concept Design Validation

Go beyond traditional words and CAD pictures with 3D printed models and evaluate as many early-stage ideas and designs, and as many times as necessary, to make a selection and proceed with confidence before committing to costly production.

Shape and Form checks

Quickly check your design's sizes, shapes, and proportions again and again, until you get it right. Eliminate any potential production bottlenecks or design flaws

Functional Prototypes and tests

Evaluate fit, function, and manufacturability under real-life conditions. Make necessary design adjustments in next to no time and at almost no added cost.

Application: Manufacturing

Challenge the constraints of traditional manufacturing and boost your productivity with 3D printing

Champion a culture of continuous improvement by giving everyone the power to 3D print problem-solving parts and tools that increase productivity and overall equipment efficiency (OEE).

Tool organizers and safety devices

When everything has its place, work can be done faster, more accurately, and more safely – especially according to 5S principles.

Assembly tools

Incorporate poka-yoke design principles to speed up and mistake-proof complex actions with custom ergonomics – such as product assembly or machine maintenance.

Quality tools

Boost product quality by accurately and affordably 3D printing tools and gauges for every QA process using low-friction or non-marring materials

Transport tools

Any conveyor or production line can be fitted with impact-resistant 3D printed parts. Two-color dual extrusion prints can wear down and indicate when they need replacement.

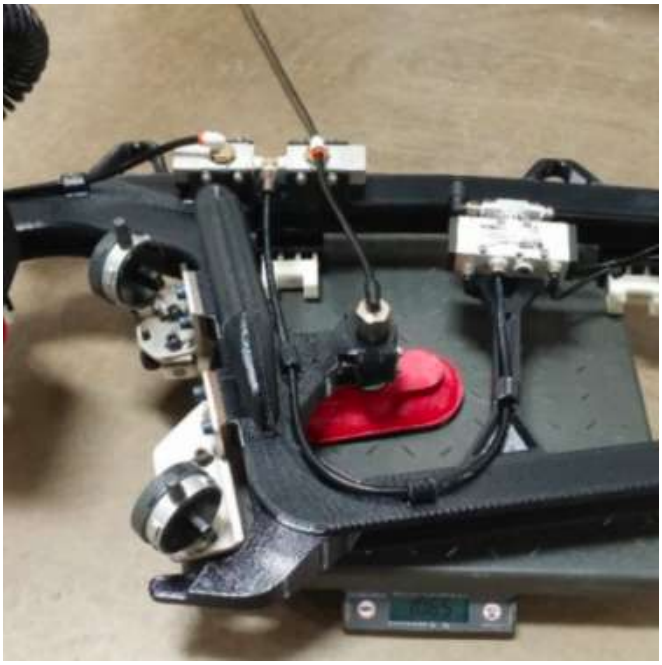
Application: Jigs & Fixtures

Meet demand like never before

When convenience and quality come together in manufacturing, the results speak for themselves. Being able to 3D print jigs and fixtures whenever you need them reduces cost, improves safety and boosts efficiency. Prepare to meet demand like never before.

Reduce your development cycle

Reduce your development cycle from months to weeks. With printed prototypes and GrabCAD Print integration, it's easier than ever to fast-track the design cycle. And with developments in durable materials, you can continue to meet rigorous manufacturing requirements.



Customize for improved ergonomics and safety

Create strong, lightweight jigs and fixtures, easily customized for the application, better ergonomics and operator safety.

Application: End Use Parts

Produce low-volume, custom parts you need, when you need

Customized 3D printing gives businesses unrivaled manufacturing flexibility and versatility. Custom one-offs, replacement parts, or even small-batch production runs. Cut tooling costs, lead times, and purchasing processes with decentralized, on-site printing.

Custom one-offs

Customize endlessly to meet all your needs. Bespoke, one-off parts without the cost penalty of switching to other processes. 3D printing's versatility offers huge benefits

Small batches

Save time and money on low-volume batches for one-off orders or low-risk first runs before ramping up to full-scale production.

Replacement parts

Cut out replacement part supply chains and purchasing processes and put 3D printed components into your customers' hands by printing them on-site

Application: Architecture

Create stunning models in-house, quickly and affordably

Using 3D printers in architecture opens a whole new world of creative possibilities but also does away with traditional time-consuming and labor-intensive model-making methods. Create as many iterations in-house as you need at almost no extra cost.

Concept models

Print as many rough models as you want to determine which early designs will make the cut. Quickly and at almost no extra cost.

Massing studies

Context is crucial. Print modular 3D models of designs and surrounding areas, scale up and down, and win over stakeholders with the most appealing concepts.

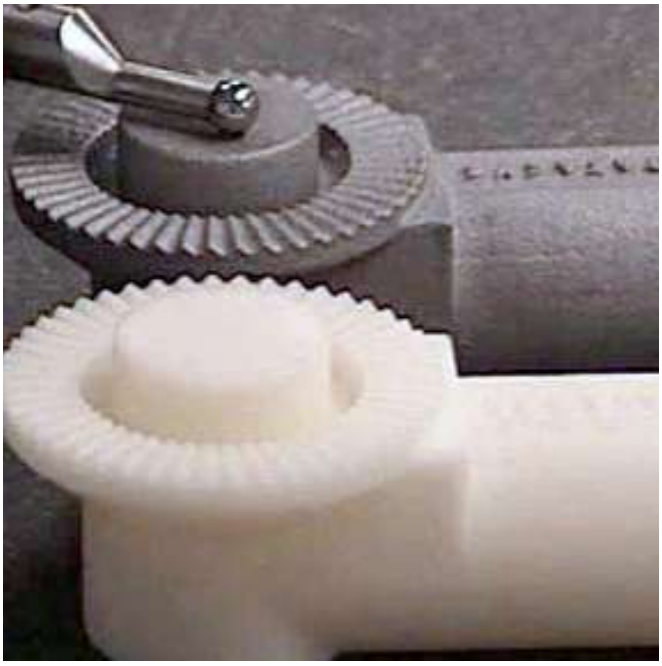
Client presentations

Stun clients with in-house, 3D printed architectural models that would otherwise be impossible to build or would take too long or cost too much

Application: Casting

Streamline supply chains, reduce costs and boost your competitive advantage

3D printed pattern casting can be used in foundries or in-house, depending on your production requirement. 3D printing also offers savings in labour, cost, and time, faster product development and can act as a tool for low-volume production.



Sand Casting

3D printed parts can replace the wooden pattern as per your production need. 3D printed pattern also offers savings in labor, cost, and time.

Investment Casting

With specialty filament, the wax patterns can be replaced by 3D printed parts. Specialty filament designed to produce investment patterns for investment casting applications. 3D printing significantly cuts down both the cost and lead time by eliminating the tooling process.

Sample Prints with various Materials

PLA

PETG

TPU

ASA

PETG CF

PLA CF

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Thank You