TRINETHRA

FDM 3D PRINTING FOR THE FACTORY FLOOR

BENGALURU

SERVING PEENYA & RAJAJINAGAR

Tooling and parts in days, not weeks.

Send a drawing, a photo, or the broken part itself. You get a price and a delivery date the same day. No tooling cost, no minimum order of a thousand pieces, and no waiting on a shipment to clear.

WHAT WE MAKE FOR PLANTS

Jigs, fixtures and gauges

Shop floor tooling made to your measurements, in carbon filled nylon where it has to stay stiff.

Prototypes and samples

Hold the design before you spend on tooling. Change it in the evening, print it again the next day.

Spare and obsolete parts

Knobs, brackets, covers, guards, housings and handles the machine builder no longer supplies.

Short runs, up to 100 pieces

The quantities where a mould costs more than the whole order is worth.

Patterns, moulds and bucks

Masters for casting, low-pressure moulds for resin, plaster and concrete, and bucks for vacuum forming. Not inserts for injection machines.

CAD and design service

A sketch, a photo, or a part to copy, turned into a production-ready 3D model. We take design work on its own, printing or no printing.

No tooling cost

You pay for the part, not for a die. One piece costs the same per piece as ten.

Changes in a day

A dimension moves and we reprint. Nothing is locked into steel.

A date with the price

Every quote carries the delivery date, before you commit to anything.

WHAT TO SEND US

A photo of the part. A hand sketch with a few measurements. A drawing, a STEP or an STL file. Or the broken part itself, with a coin beside it for scale. Any one of these is enough to start, and we build the 3D model ourselves.

Send the drawing. Get the price today.

Scan the code and WhatsApp opens with the message already written. A photo of the part is enough. No 3D file needed.

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WHAT THE MACHINES DO

FDM, in plain numbers.

PROCESS	FDM, fused filament.
LARGEST PART	256 × 256 × 256 mm in one piece. Larger parts are printed in sections and bonded.
LAYER HEIGHT	0.10 to 0.30 mm. 0.20 mm is standard, finer for visible surfaces.
TOLERANCE	±0.3 mm, or ±0.5% of the dimension, whichever is larger. Tighter features are machined or reamed after printing.
MATERIALS	PLA, PETG, ABS, ASA, PC, Nylon (PA6) and TPU flexible, plus carbon and glass filled grades: PETG-CF, PA6-CF, ASA-CF.
ENCLOSED	Fully enclosed, temperature-controlled chamber with a hardened 300°C hot end. ABS, ASA, nylon and filled grades print without warping or splitting.
MULTI-MATERIAL	Up to four materials or colours in a single part, for colour-coded tooling and two-material assemblies.
FINISHING	Support removal, sanding, primer and paint, heat-set brass inserts for threads, bonding and assembly.
CAD SERVICE	We model from your drawing, from photographs, or from the physical part, and we take on design work on its own. You never need a 3D file to start.
QUANTITY	One piece to 100 per order.

STRAIGHT TALK ABOUT FDM

Where it is the right tool

- Jigs, fixtures, gauges and assembly aids
- Covers, guards, housings and brackets
- Obsolete spares that nobody stocks any more
- Prototypes and fit checks before tooling
- Patterns for casting and bucks for forming
- Batches too small to justify a mould

Where it is not

- Parts sitting in constant heat. PLA softens around 55°C, so we move you to ABS, ASA or nylon and tell you the limit
- Load bearing or safety critical parts on a machine or a vehicle
- Optically clear parts
- Threads under load, unless we fit a metal insert
- Tolerances tighter than ±0.2 mm without post machining

HOW AN ORDER RUNS

01

You send

A drawing, a photo, a sample, or a 3D file, on WhatsApp or email.

02

We quote

Price, material and the delivery date, the same day.

03

You approve

You see the model before anything is printed.

04

We deliver

Printed, finished by hand, checked and packed.

PRICING	Quoted per job, the same day.	LEAD TIME	Given with every quote, before you commit.
DELIVERY	Collect from us, delivered by hand in Peenya and Rajajinagar, or couriered across India.	DRAWINGS	We sign an NDA before you send anything.