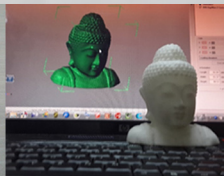
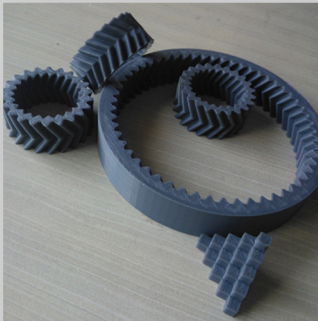


Prototyper 2.0 series 40x *"Tarantula"*

larger-faster-sturdier
3D PRINTER
Made in India



Basic Technology	Ability to operate in polymer material mode through Fused Deposition Modelling (FDM) technology and create a unique high quality 3-D prototype/component.
Nozzle	Full brass modular nozzle with heat sink and dual extrusion support with two dimensional movement. Ability to choose between 6 diameters ranging from 0.25 to 0.8 mm.
Interface	The printer is capable of standalone printing through the LCD user interface provided for ease of use through plug and play.
Build Volume	300 (L) x 300 (W) x 300 (H) cu mm
Prototype Material	Ability to support a wide range of ABS, PLA (bio degradable), PVA (water soluble), Nylon and thermoplastics freely available in the market
Layer Resolution	Minimum 50 micron
XY Positioning Accuracy	Minimum 12.5 microns
Ambient Operating Temperature	15-24 degree Celsius
Storage Temperature	0-45 degree Celsius
Build Surface	Glass fibre base in heated zone
Power Requirements	240V; 350 W ; 50/60 Hz
Connectivity	USB, SD Card, Ethernet
Max. Deposition Rate	4 gm/min
Warranty	1 year + Extendable upto 5 years



Produce 3D components and assemblies in a single build.

No need for tooling, machining and handcrafting prototypes.

Reduced Inventory of physical molds.

More efficient designs, modifications and effective experimentation.

Manufacturing aid in smaller volume for niche products.

Majors: Automotive, Aerospace, Defense, Packaging, Engineering, Technology and Consumer products.

Accurate construction simulation models.

Design visualization and experimentation aid.

Presentation of models and showcase of works in a miniaturized format.

Design and fabrication aid for construction detailing.

Aid for feasibility studies and construction management of the project.

Majors: Architecture, Civil Engineering, Construction Management and Surveying.

Aid for practical understanding of concepts through study models at colleges and schools.

Makes complex science and mathematics projects simpler.

Helps in research and experimentation at colleges and research institutes.

Useful in making precise building models, machine parts in engineering colleges.

Useful in making precise biological models for medical colleges.

3D Designing of characters and models for design and animation schools.

Majors: Schools, Engineering and Medical Colleges, Research institutes, Animation and Design schools.

Patient specific exoskeleton and devices.

Designing and making cost efficient customized artificial parts (prosthesis)

Making sophisticated medical devices.

Customized design of medical implants.

Majors: Orthopedic, Dentist, Doctors, Hospitals and Medical Equipment.

Opens new ways to market of customized products.

Useful in creative merchandising and marketing through rapid customization of products and gifts.

Creation of "3D Portfolio" concept for firms and industries to showcase their works.

Majors: Marketing, Merchandise, Customer services and Showrooms.

Creating and perceiving complex 3D designs and art quickly and accurately.

Useful in making sculptors.

Important in documentation for conservation of structures and other archaeological applications.

Useful for product designers to innovate through rapid, cost effective and precise prototyping.

Normalizing the customization.

New business models can flourish.

Majors: Artist, Designer, Archaeologist, Entrepreneur, Hobbyist etc.



Innovation

Print prototypes in hours, obtain feedback, refine designs and repeat the cycle until designs are perfect



Communication

Hold a dual colour, realistic 3D model in your hands to impart more information than a computer image

Create physical 3D models quickly, easily and affordably for a wide variety of applications



Time To Market

Compress design cycles by 3D printing multiple prototypes on demand, right in your office



Development Costs

Cut traditional prototype and tooling costs

Identify design errors earlier and reduce travel to production facilities



Business

Bring realistic 3D models to prospective accounts, sponsors and focus groups

Structure— Fully metallic— Aluminum, Mild Steel and Brass – Rigid Faster and Long Life span
– Better investment for businesses. Patented Design

Price—Optimized for commercial grade.

Size—One of the largest printing envelope in the segment.

Warping—Patent Pending Zero Warping Technology is the key to make high precision parts without any deformation.

Service—Better Customer service with online support and library creation for direct printing.

about us

Avalanche Automation Pvt. Ltd. is India's pioneer indigenous commercial 3D Printer manufacturing and service company based in Indore, India. With a profound research since 2013 from IIT Kharagpur, we have established our production facility and development center in Indore with maximum capacity of about 100 printers per month in 2014. We are building a strong distribution network globally along with an efficient supplier network in India.

if you have any query, you can write us at contact@a3d.co or log on to www.a3d.co

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