

VEXXMA

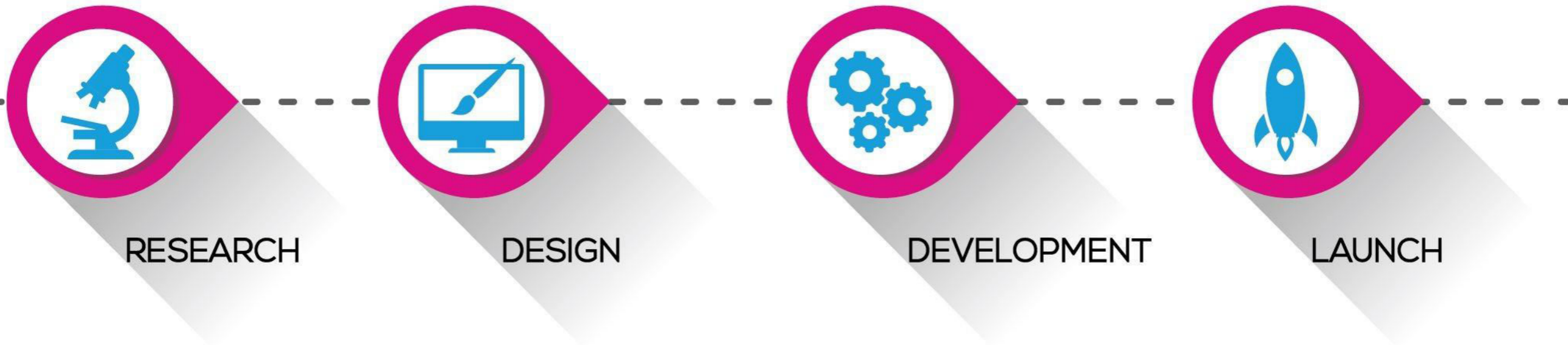
TECHNOLOGIES PVT. LTD.

ADD THE

THIRD DIMENSION

TO YOUR IDEAS

OUTLINE



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ABOUT US

Vexma Technologies has been co-founded with an idea of becoming a part of the next industrial revolution.

Mr. SHAURIN PATEL

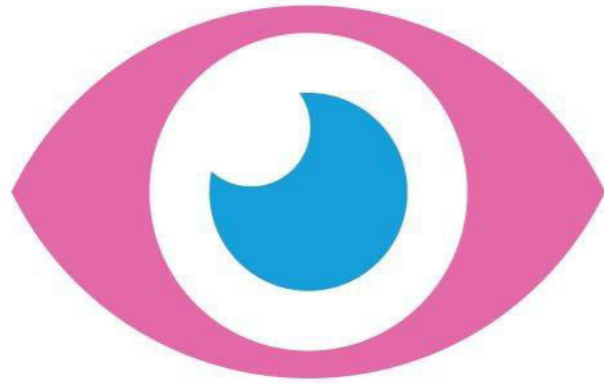
believes in the revolutionary technology of additive manufacturing shrinking the bridge between design and manufacturing. He is a mechanical engineer from Purdue University – USA with having international business background from Singapore.

Mr. SHAILEN PATEL

is mechanical engineer acquiring skills from University of Bradford – UK. He is passionate by technology and the future of technological advances. With specific knowledge and know how, he is always on the lookout for anything innovative in 3D printing industry while to promote it.

We are a team of 3d printing technophiles, 3D printed product developers and 3D printing solutions provider.

VISION



We are One stop shop from designing and product development to manufacturing your creativity.

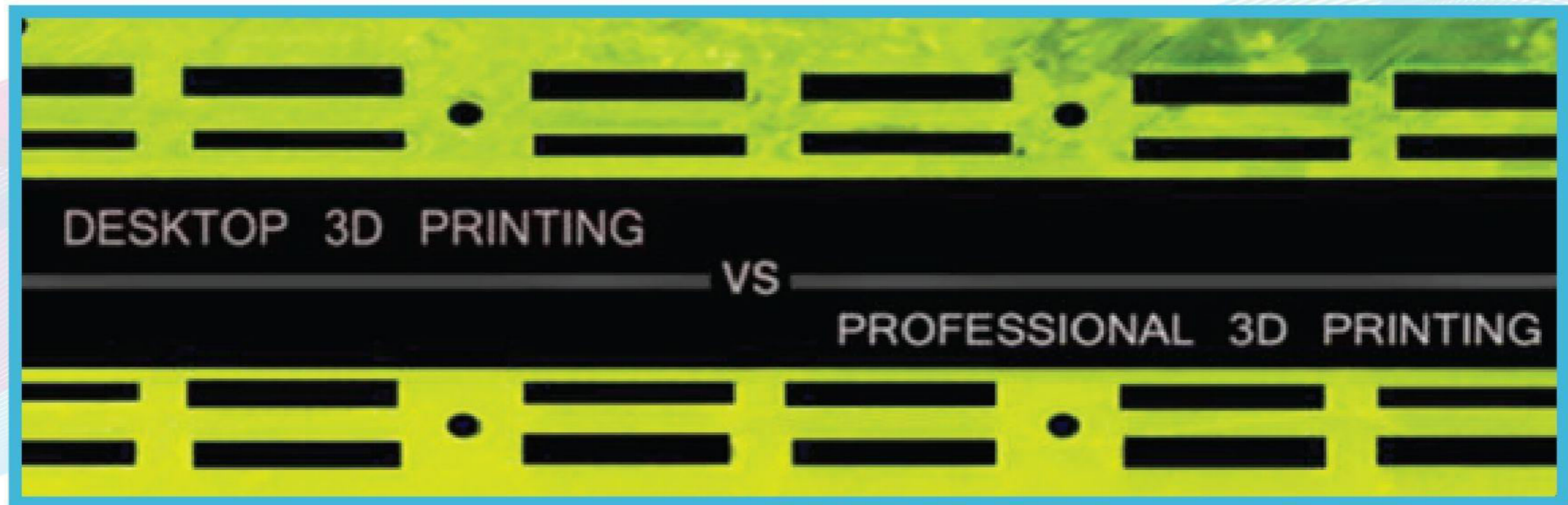
Mastering evolving technologies as part of the additive manufacturing revolution, we aim to create a sustainable business environment to generate revenues for the company while empowering the **"Make In India"** campaign as part of the process.

MISSION



OUR SERVICES

We at Vexma Technologies provide high quality low cost additive manufacturing solutions using Professional 3D printers that adds up saving time and money in prototyping, product designing, research and development.



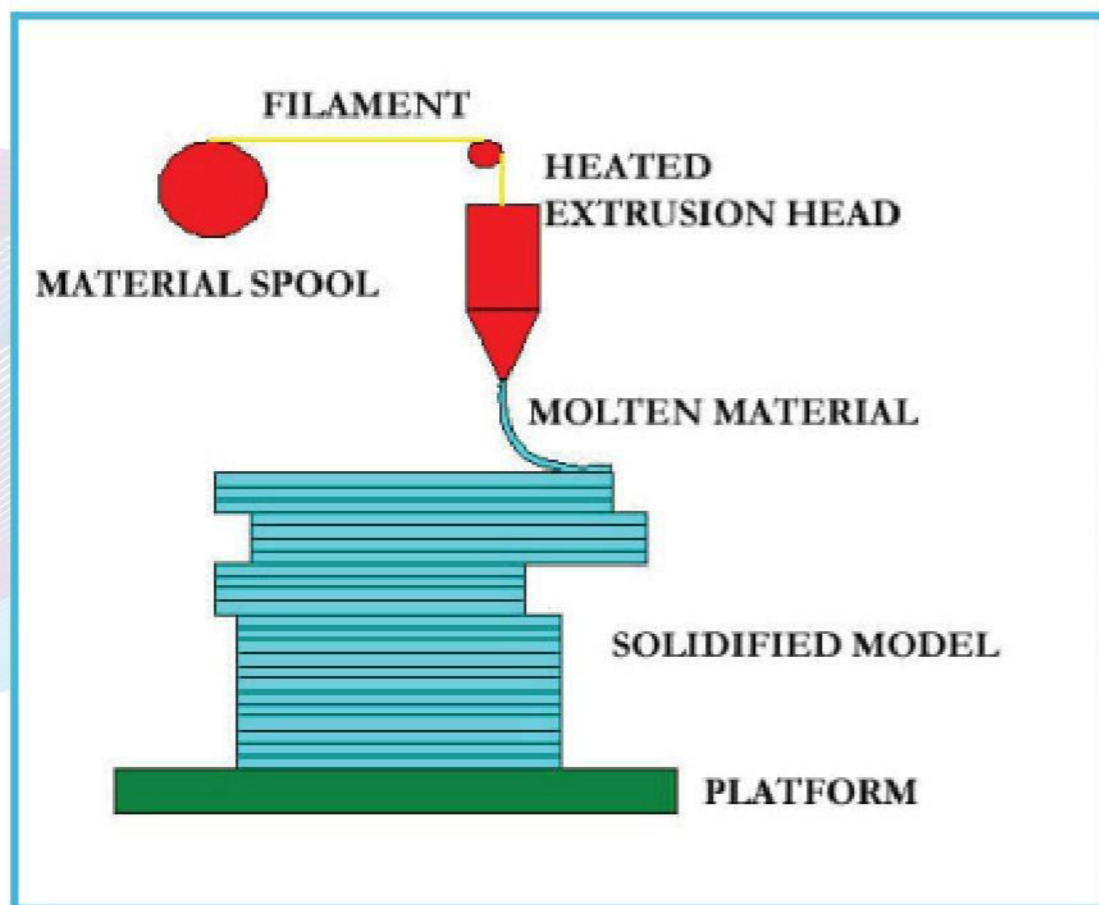
We allow designers to customize their designs generating intricate shapes and features that were not easily or cheaply obtainable using traditional manufacturing methods.

BENEFITS OF THIS REVOLUTIONARY TECHNOLOGY

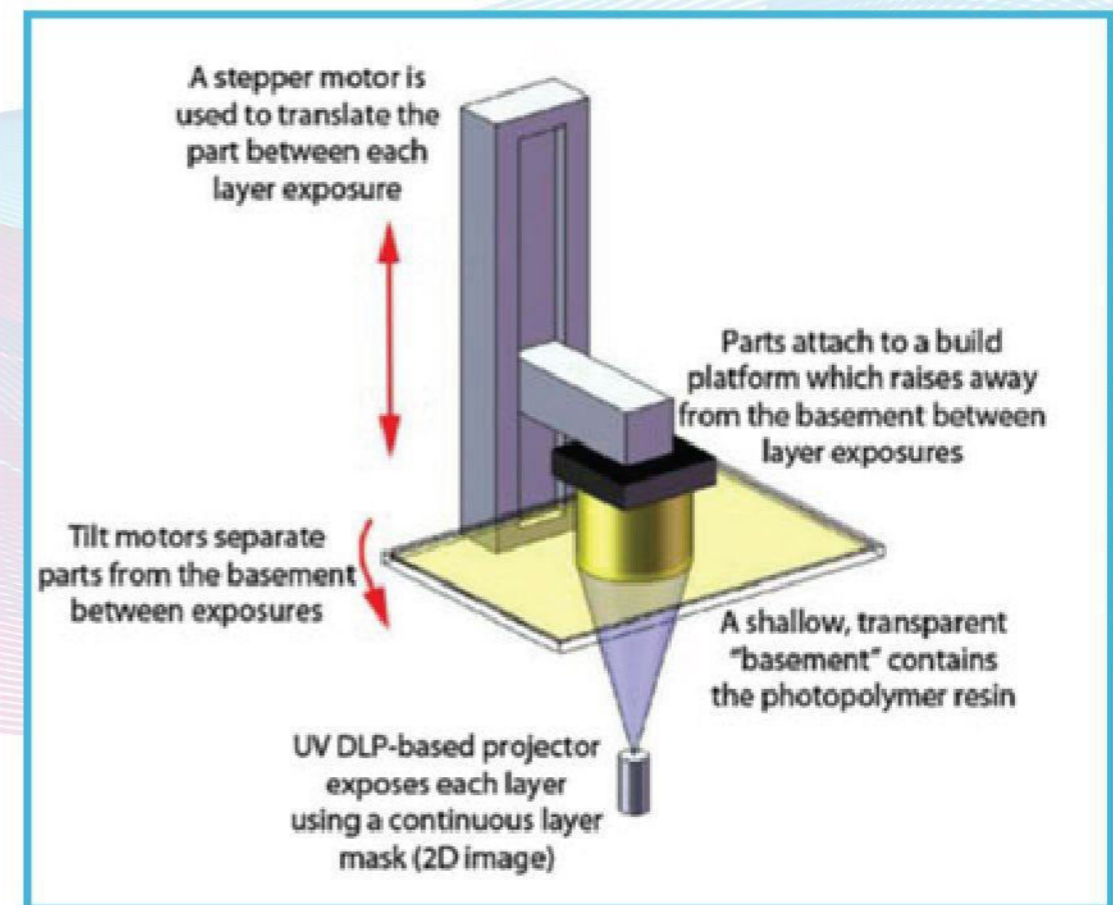
- ◆ Decreasing **Time-To-Market** from a conceptual idea to the end user and therefore staying ahead of competition
- ◆ **Saving money** in verifying the designs, ergonomic and the dimensional constraints as a part of product development process.
- ◆ Helps in **exhibiting** the exact nature of the product to the potential investors and customers.
- ◆ With the prototype in hands, it's easy to **test the market** by revealing it to the trade-shows, investors or crowd-funders.
- ◆ The technology allows in **rapid customization** as per personalized needs.
- ◆ Any thought, idea, imagination with a virtual drawing or layout can be transformed into a physical object and product part that you can hold in your hands.
- ◆ **Removes the limitation** of standard machining and manufacturing process.
- ◆ It is better to fail fast and fail cheaply **accelerating** the discovery to an ideal solution.

HOW WE DO IT?

VEXMA brings your design to life through additive manufacturing and specifically by the [Fused Deposition Manufacturing \(FDM\)](#) And [Stereo lithography \(SLA\)](#) process. The parts are built by different plastic material. This process offers a very good functional testing, strong parts and finally great feature details.



FDM 3D PRINTING

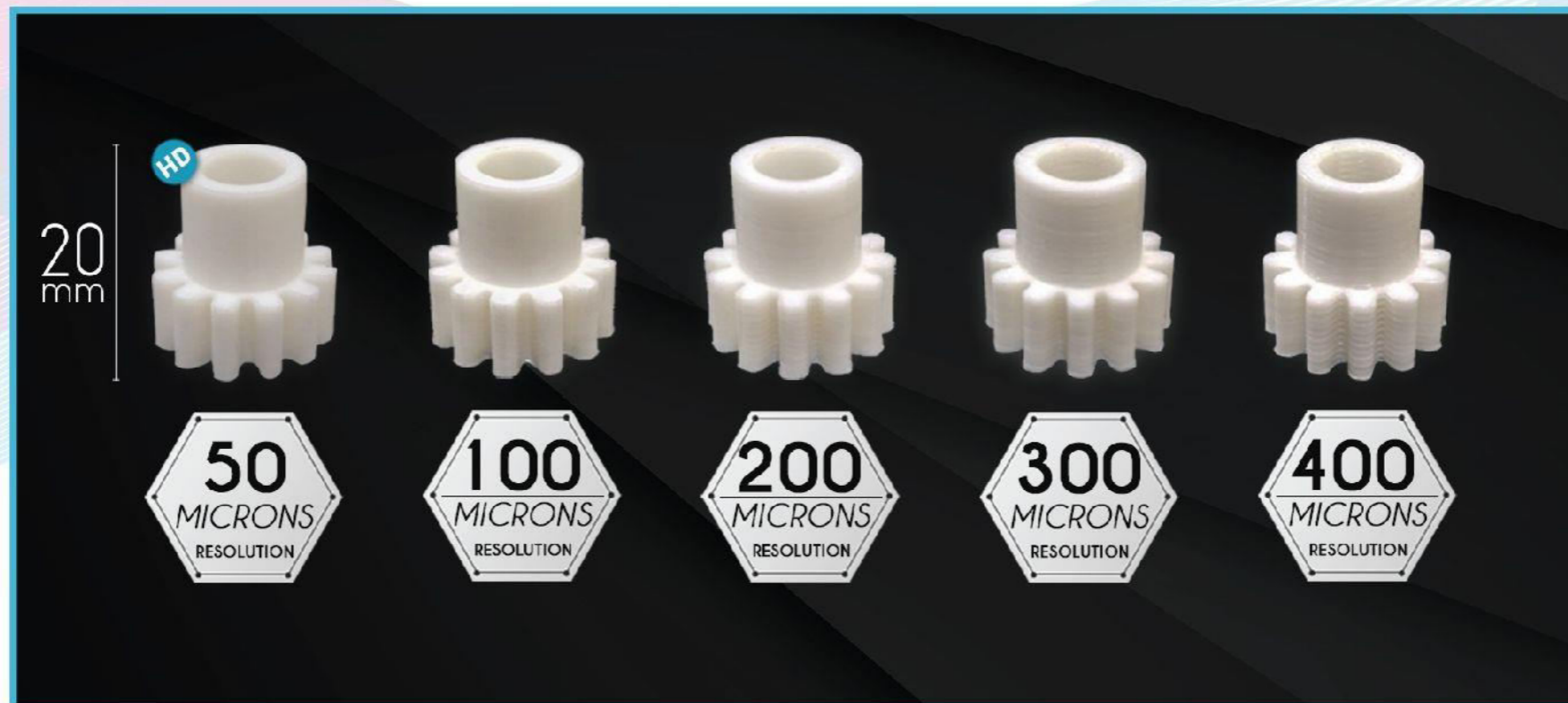


SLA 3D PRINTING

RESOLUTION

In 3D printers, resolution is a precision of the movements on the X, Y and Z axis.

Resolution is measured in the terms of '**Microns**'. A micron is equal to one millionth of a meter. It is normally used to refer to the layer height, also known as print resolution or Z height.

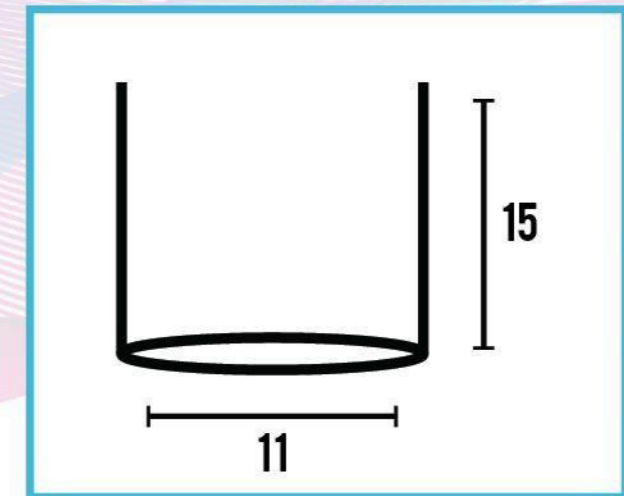
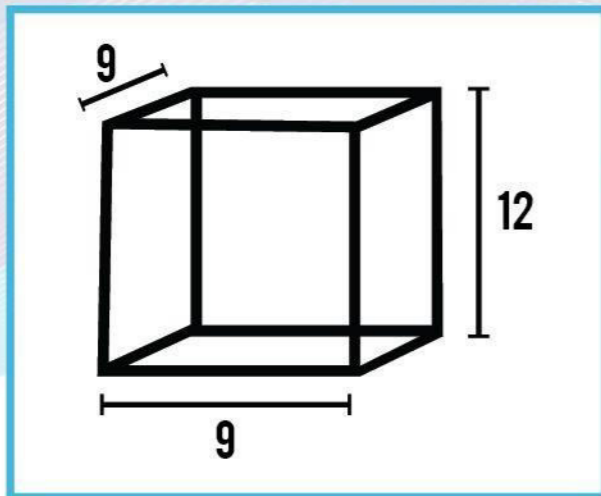


Therefore, Higher the Resolution 3d printed object holds, the more smooth and detailed surface it have.

BUILD VOLUME

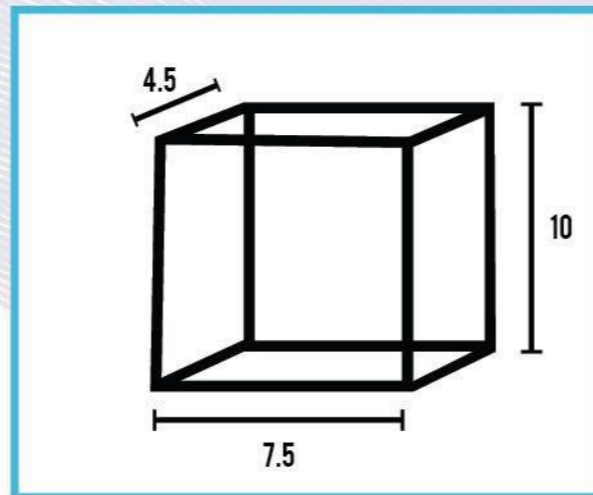
Our printers are equipped with professional grade 3d Printers comprising of

- The FDM printer specifically has the capabilities to print in **dual as well as triple extrusions**, i.e. integrating different colors as well as materials that are compatible with each other.
- Our built chambers are capable of printing in following sizes.



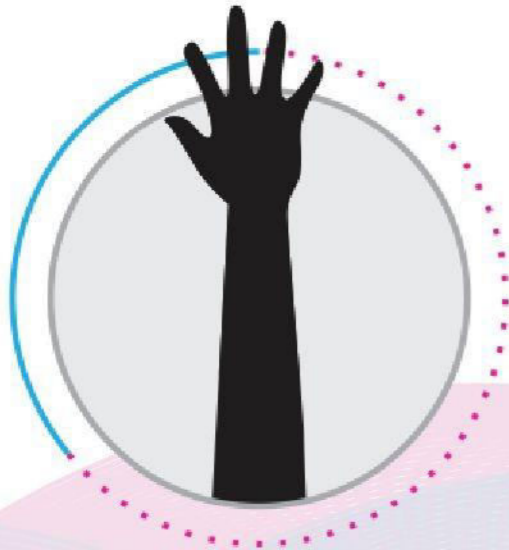
Cubical as well as Cylindrical build volumes (inches)

- ❖ The SLA Printers gives **high level of accuracy** and fast turnaround time and it is more user-friendly. It can print accurate prototypes, even of irregular shapes.
- ❖ We are equipped with **HD** list of materials from ABS to Castable resins suitable for variety of applications
- ❖ We can print up to the following cubic dimensions.



For High Quality detailed Printing

INDUSTRIAL APPLICATION



MEDICAL INDUSTRY

Prosthetic limbs, other non-organ body parts and health care related items like Hands, arms, legs, arm and hand casts etc.

Advantage : Patients will now have more customized medical solutions.



ENGINEERING

Complex machinery parts, Designing and prototyping end-user parts, precision prototyping.

Advantage : More efficient designs, design changes and more effective experimentation, rapid product development.



■ ARCHITECTURE AND INTERIOR DESIGN

Create precise replicas of architectural models and floor plans directly from CAD model.

Advantage : Complex geometries impossible to make through traditional method.



■ PROTOTYPE

Our prototyping services benefits the advertising.

Advantage : Produce visual models for market research, publicity, and packaging + reduce time to market.



◆ JEWELLERY AND FASHION

Create custom designs – one of a kind, perfect fit. Test new concepts with our prototyping services for all your unique designs. **e.g.** Eyeglass frames, abstract shapes, bracelets, etc.

IN A NUTSHELL, **GENERALIZED PROCESS**

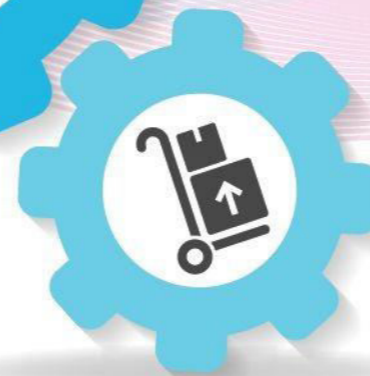
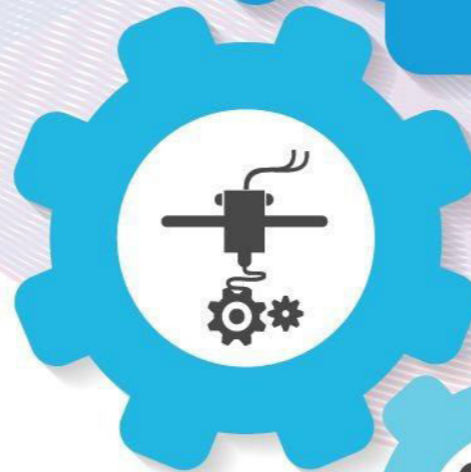


GETTING STARTED

Review and Quote a CAD 3D model or create a fresh model from your requirements with the help of our creative team.

THE ADDITIVE MANUFACTURING PROCESS

The model is then digitally horizontally sliced into very thin cross sections and a physical model is created in a precise controlled environment.



PACKING & DELIVERY

As per the delivery requirements Vexma Technologies will make sure that you get your part delivered hassle free on time without any reparation.

WHY 3D PRINTING ?

◆ Convenience

Design and production can be completed in house. At any time constraints.

◆ Design Freedom

Design restrictions on traditional machining can be eliminated with ease.

◆ Cost effectiveness

Because moulds are not required design changes can be made without additional expense.

◆ Green Tech

3D printing creates very little or no waste. So the impact on the environment is minimal.

◆ Production Quality

All object are created in a single build, so the products are sturdy with no joints.

Major Clients



CONTACT US

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