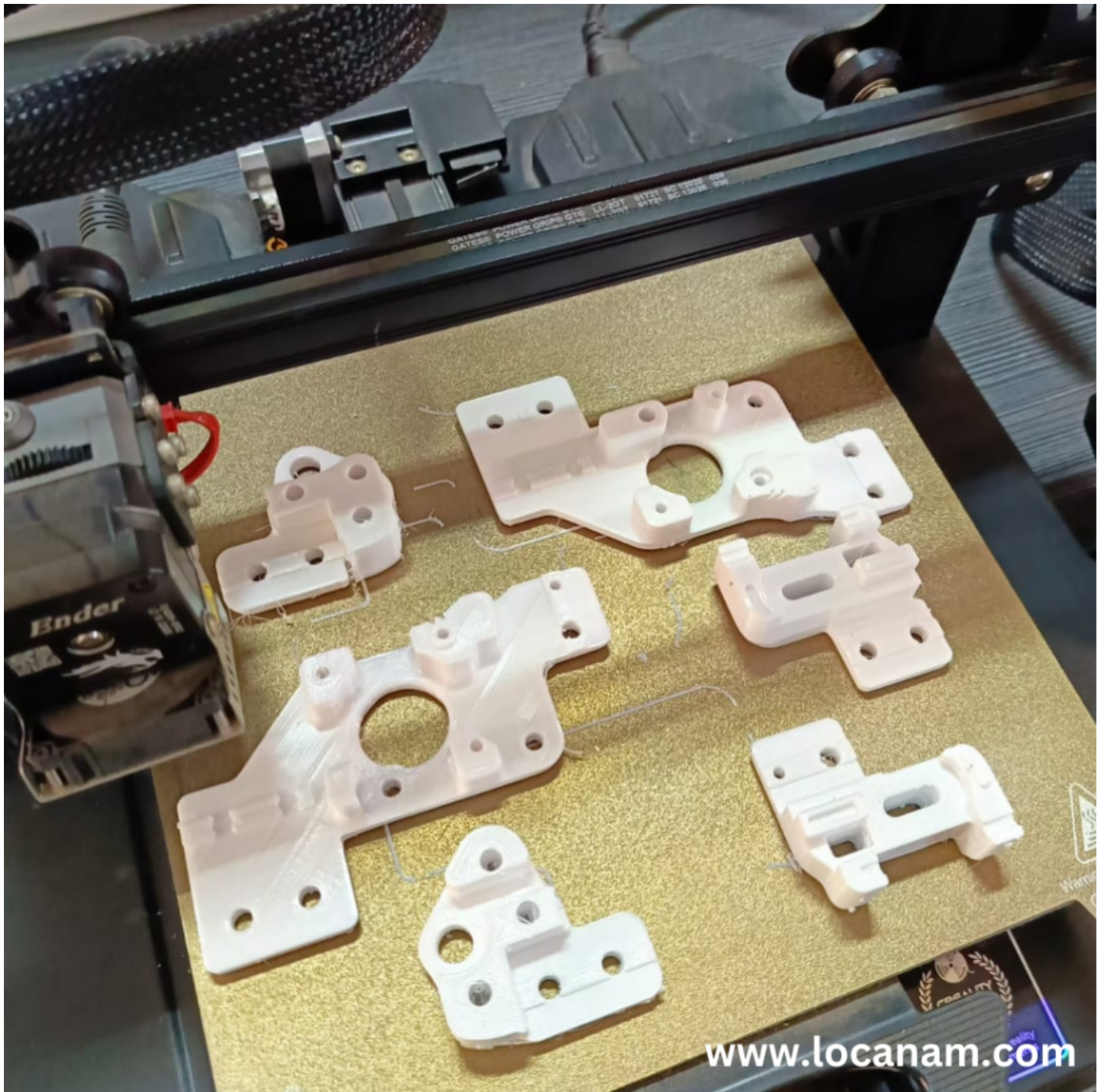


## 3d printing services, Locanam all types of 3d printing services

Locanam is a company specializing in 3D printing and prototyping services. Our primary objective is to assist clients in overcoming the limitations of traditional manufacturing, enabling them to bring their products to the market.



**New Delhi, Delhi Mar 15, 2024 ([Issuewire.com](https://www.issuewire.com))** - Locanam is a company based in New Delhi, India which provides 3d printing and prototyping services. We help our clients overcome the constraints of traditional manufacturing and get their products faster in the market by accelerating the prototyping process. 3d printing technology has several benefits over traditional manufacturing technologies like a

decrease in the prototyping cost and lead times. There are different applications of 3D printing Ranging from Prototyping, small batch production, and mass manufacturing. We provide 3d printing services in FDM, SLA, SLS, DMLS, MJF, and DLP. We can help you in the design phase as well ( CAD/CAM).

## **FDM 3D PRINTING SERVICES**

Fused Deposition Modeling (FDM) is a leading 3D printing technology that utilizes plastic filament, typically in thread or wire form, as its primary material. This filament is extruded through the printer's nozzle, layer by layer, to create the final product. Also known as Fused Filament Fabrication (FFF), this process originated in the 1980s.

FDM printers employ various movement mechanisms, including Cartesian, Core XY, Delta, and others. Our tailored guidance can assist you in selecting the most appropriate movement mechanism for your application, ensuring alignment with your project's unique requirements.

Embark on a journey into the captivating world of [3D printing technology](#), focusing on Fused Deposition Modeling (FDM), the most widely used method. Explore the intricacies and applications of FDM, gaining a deep understanding of its capabilities. Compare FDM with other 3D printing methods to uncover its distinct features and advantages. Equip yourself with the knowledge needed to navigate the diverse landscape of 3D printing technologies, empowering you to make informed decisions for your creative or industrial endeavors.

## **SLA 3D PRINTING SERVICES**

Stereolithography, also called as SLA, stands out as a groundbreaking technology within the realm of additive manufacturing, specifically belonging to the VAT photopolymerization category. It's acknowledged globally for its exceptional precision and versatility in 3D printing.

SLA functions through a method known as photopolymerization, wherein a laser or similar light source is employed to selectively solidify liquid resin into structured objects layer by layer, adhering closely to a digitally rendered design. This process yields remarkably detailed, complex, and precise 3D prints.

## **SLS 3D PRINTING SERVICES**

Welcome to the Locanam cutting-edge Selective Laser Sintering (SLS) 3D printing, a revolutionary additive manufacturing technology that has transformed the landscape of creating precise and strong parts suitable for end-use, low-volume production, and rapid prototyping. highly honored for its cost-effectiveness in industrial 3D printing services, SLS sets itself apart by facilitating bulk production without the necessity for support structures.

SLS printing primarily harnesses nylon as its key material, providing a versatile array of infills that enhance material properties. Whether it's the robustness of carbon-filled compositions or the flame-retardant characteristics, SLS materials are customized to cater to a variety of project requirements.

In the Field of [additive manufacturing in layer technology](#), SLS utilizes a high-power laser, such as a carbon dioxide laser, to meld minuscule particles of plastic powders into a cohesive mass, sculpting the desired three-dimensional shape. The laser meticulously fuses powdered material by scanning cross-sections derived from a 3D digital representation of the part—sourced from CAD files or scan data—onto the surface of a powder bed. With each cross-section scan, the powder bed descends by

one layer thickness, a new layer of material is applied, and the selective laser sintering process repeats until the part is completed.

A journey where precision seamlessly meets efficiency—uncover the limitless possibilities of SLS 3D printing for all your manufacturing needs.

**FOR MORE ABOUT 3D PRINTING - <https://www.locanam.com/>**



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