

# A.L.P.'s 3D Printing for Rapid Prototyping and Expedited Product Introduction

To speed prototyping and product introduction, A.L.P. now offers Fused Deposition Modeling (FDM) 3D printing services.

3D printing accelerates product development by helping you quickly visualize your product, test its functionality, and make modifications as needed. By reducing the time and resources required to take your part from concept to production, 3D printing can compress development time by days, if not weeks.



## TECH SPECS AND FEATURES

Max part size: 11 x 11 x 9.8 inches

Layer resolution: down to 0.002 inches

Minimum positive feature size: 0.020 inches

Material choices, dependent on application:

- Taulman T-Glaze PETT Copolyester (clear or translucent colors)
- Ninjabflex 3D Flexible Polyurethane 85, Shore A Hardness
- Novamid ID 1030-CF10 10% Carbon Reinforced Nylon PA6/66
- Polymax PC Polycarbonate (combines strength, toughness, and printing quality)
- Polymax PETG (features improved mechanical properties over standard PETG)
- Polymax PLA (easy-to-print ABS alternative)
- ColorFabb XT (strong, durable, odor-neutral, is food contact compliant and BPA-free)
- Nylon
- ABS
- PVDF

Options: Sonic or Heat Stake inserts for assembly when using fasteners.

Turnaround time: Dependent on size, resolution, and material used, hours to a few days.

Resources: From your drawing or ours, A.L.P. has product design, testing, and manufacturing experts to expedite the process.

Whether you are looking for working prototypes or limited small-run production, 3D printing allows you to review form, fit, and function without the time and expense involved in production-scale tooling.

Represented by:



**A.L.P.**  **LEXALITE**  
AN A.L.P. BRAND

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