

Injection MOLDING

VS.

3D PRINTING

There are many options when it comes to manufacturing plastic parts. Each process has its pros and cons. Knowing your quantity goals, timelines, and budget are all important factors to take into consideration from the beginning.

Injection Molding tooling is typically constructed of aluminum or P-20 steel.

3D Printing utilizes computer-aided design (CAD) files to construct parts layer by layer.

Ideal for Validate-able
Production
Low to High Volume

Ideal for Prototypes,
Low Volume
Production

Tooling Costs:
\$5,000-50,000+

Tooling Costs:
\$0

Volumes:
100-100,000+

Volumes:
1-500

Lead Time:
1-8 Weeks

Lead Time:
1-4 Days

High Quality, Precision,
& Consistent
Repeatability

Design Customization &
Flexibility

Design changes require
costly mold modification

Product Variability,
Poor surface finish