

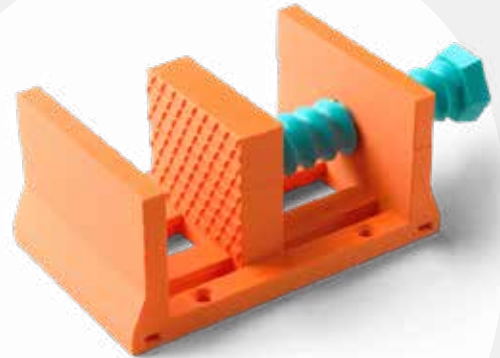
# FDM (Fused Deposition Modeling)

Quickparts understands how to best utilize the FDM process to produce parts for applications that must resist high-temperatures, mechanical stresses, or chemical degradation.

FDM printing is a solid-based rapid prototyping method. The printer builds parts in an additive process that extrudes material layer by layer to build a model. This enables cost-effective parts and complex geometries that are often difficult to duplicate with traditional manufacturing methods.

## Advantages:

- Wide range of materials
- Up-to-date, highly flexible machines
- Ability to hold tight tolerances (+/- 0.1 mm as a standard)
- Parts machined directly from 3D CAD models
- Turning, dual-turret lathe with live tooling; 3-, 4-, and 5-axis machining; heat treating/stress relieving; welding; anodizing; and powder coating



### Lead Times:

- Standard: 3 - 5 business days
- Lead times vary depending on part size or order volume



### Typical Applications:

- Concept
- Engineering models
- Functional testing
- Consumer products
- High-head applications
- Prototypes



### Materials:

- VisiJet PXL



### Finishing:

- Standard (with ColorBond infiltration)



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