

BEGINNER'S GUIDE TO TRIMECH RP SERVICES

Need a prototype but aren't ready to invest in a 3D printer?

Let TriMech RP Service Team help!

With one of the most dedicated teams of additive manufacturing professionals in the industry, TriMech RP Services helps designers convert their ideas into real end-use parts and prototypes.

We use state-of-the-art equipment from the latest technologies to deliver the highest quality work possible on every order! From 3D printing and additive manufacturing to machining and tooling to 3D scanning, we can assist with nearly any application you need.

CLIENTS COME FIRST



Real People

Work with an actual person on every request, so we can take every detail into account.



Custom Quoting

One quote does not fit all. That's why we create free quotes for every order.



Fast Turnaround

Lead times vary by part, but typical time range per order is 2-10 business days.

STATE-OF-THE-ART TECHNOLOGY



Machines Available

- FDM
- PolyJet
- SLA
- SLS
- MJF
- DMLS
- 3-4 Axis CNC (Small Batches)
- Urethane Castings
- Short-Run Injection Molding
- Advanced Part Finishing
- Scanning Services (Upon Request)



Materials Available

- FDM - ABS, ASA, PC-ABS, PC, Nylon 12, Nylon 12CF, ULTEM 9085 and ULTEM 1010
- PolyJet - Acrylic-Based Photopolymer Resins that include: White, Black, Grey, Blue, Colors, Clear, Simulated Polypropylene, Simulated Rubber
- ABS and Simulated Rubber
- SLA - White and Clear Photopolymer Resin
- SLS - White Nylon, Glass Filled Nylon 12, Carbon Filled Nylon 12 and Alumide
- HP MJF - Black Nylon
- DMLS - Various Steels, Aluminum, Titanium and Nickel



Dimensions Available

- Build Capacity: Up to 36 in x 24 in x 36 in*
- Layer Thickness: 14 Microns to .013 in*
- Accuracy: From +/-200 Microns to +/-0.008" (or +/-0.002 in/in)*



File Formats Available

- STL
- Parasolid (.x_t)
- STEP (.stp/.step)
- IGES (.igs)
- VRML
- WRL
- OBJ
- SOLIDWORKS Part/Assembly (.sldprt/.sldasm)

** Available depending on technology.*

HOW TO SUBMIT A 3D PRINTING QUOTE REQUEST

- Gather all files in the correct file formats (typically STL or 3D CAD). Zip or pack and go if many files are being sent.
- Make notes regarding specific mechanical properties/material requirements, color, print resolution, density (solid/semi-hollow) and acceptable tolerance range if required.
- Email this information to 3DPrint_Services@TriMech.com OR submit your file at <https://TriMech.com/rp-services-form>.
- Typical response time is within 20-60 minutes, but please allow up to 24 hours response time.
- We will work with you if there are still questions on additive technology, material, color, etc., and create a custom quote as quickly as possible. Upon receiving credit card payment or purchase order, we can begin your order.
- Lead time estimates can be provided with quotes upon request.

OTHER SERVICES WE OFFER

Implementation

Subscription

Engineering

Staffing