PROTOSPACE MFG

Move Beyond Job Shops with High Velocity Mass Customization (HVMC™)

- Made in 2-3 Days
- No Minimum Order Quantity
- One-Stop Shop



Custom Parts, Panels & Enclosures for Aerospace and Defense

AS 9100D CERTIFIED AEROSPACE STANDARD

ISO 9001:2015 REGISTERED INTERNATIONAL STANDARD ORGANIZATION

ITAR INTERNATIONAL TRAFFIC IN ARMS REGULATIONS COMPLIANT

CGP REGISTERED WITH CANADA CONTROLLED GOODS PROGRAM

Proudly Manufactured
in North America Since 2001



HVMC™ - How We're Different

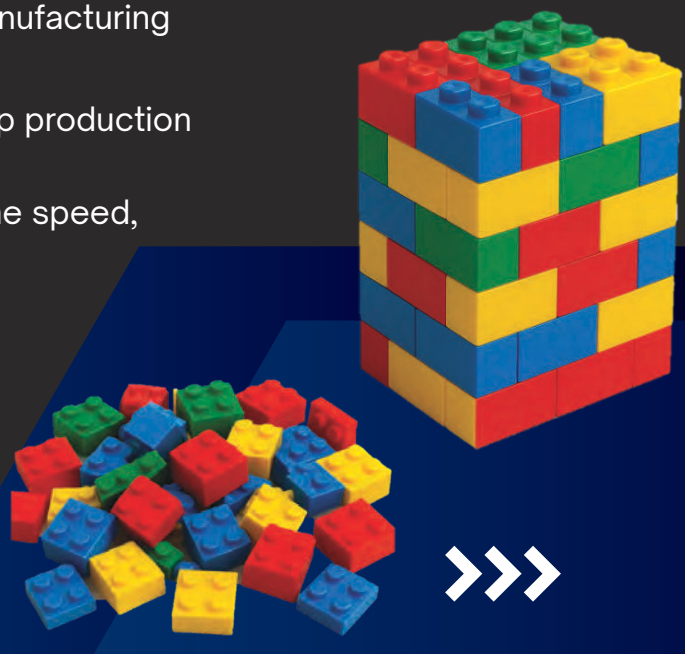
Innovation depends on velocity. When delays creep in, momentum breaks—and projects stall. ProtoSpace Mfg is built to eliminate that latency.

We make the same metal parts and enclosures as other suppliers—but we build them in a fundamentally different way.

Everything we do is powered by a system our co-founders pioneered more than 20 years ago: **High Velocity Mass Customization (HVMC™)**.

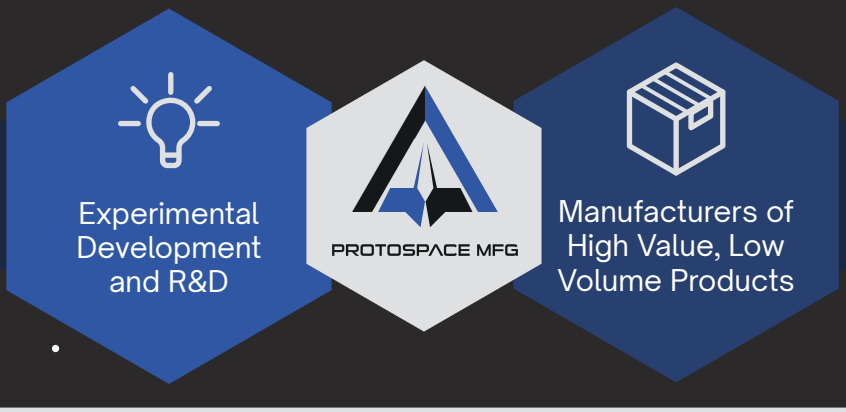
- Standardized, repeatable work elements across the entire process
- Proprietary software that builds a custom manufacturing sequence for every order
- Integrated scheduling and automation to keep production moving

The result: fully custom parts, delivered with the speed, efficiency, and quality of mass manufacturing.



Supplier to **19 of the Top 20** Aerospace Companies

Our customers are doing incredible things in aerospace and defense. Typically, companies we work with fall within two key segments:



U.S. Naval Research Laboratory · U.S. Army · Lockheed Martin · Blue Origin · NASA JPL · Airbus · Los Alamos National Laboratory · Tesla · SLAC National Accelerator Laboratory · Relativity · Massachusetts Institute of Technology · John Deere · Aerojet Rocketdyne · Boeing · Johns Hopkins Applied Physics Laboratory · Astra

ProtoSpace Mfg Checks All of the Boxes

We ensure our processes align with your organization's stringent requirements

- **Inspections**
  - Certificate of Conformance (C of C)
  - First Article Inspection (FAI)
  - Basic Inspection Services
  - AS9102 Inspection Services
- **AS9100D & ISO9001:2015**
- **ITAR & CGP**
- **Traceability**
  - RoHS
  - REACH
  - RAW/FULL
- **Military Standards**
  - MIL-DTL-81706b for Chemical Conversion Coating Chem Film
  - Mil-STD130 for Permanent Marking
  - ASTM A967 for Passivation

Not in a hurry? Choose our Economy Service for the best price.

ProtoSpace Mfg, Powered by HVMC ™

Our unique model combines quality and speed to make custom parts at an unprecedented velocity.

Here's how HVMC translates into real advantages for your projects:

- Fixed 2-3 Day Base Lead Times
- No Minimum Order Quantity (MOQ)
- One-Stop Shop of Services & Finishes
- Online Account Portal for Easy Quoting & Ordering
- Expert Design Services
- Template-Based Design Software
- Free Overnight Shipping via FedEx
- Quality Certifications & Assurance

What We Do

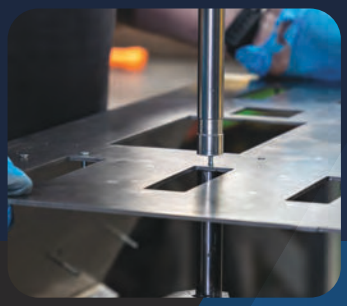
A complete set of capabilities to bring your designs to life:

- **Sheet Metal Fabrication**
- **Precision Machining**
- **Custom Electronic Enclosures**
- **Bus Bars**
- **Gaskets**
- **Electro Mechanical Assembly**
- **Finishes**
- **Part Marking & Graphics**
- **Inspection Services**
- **3D Printing**



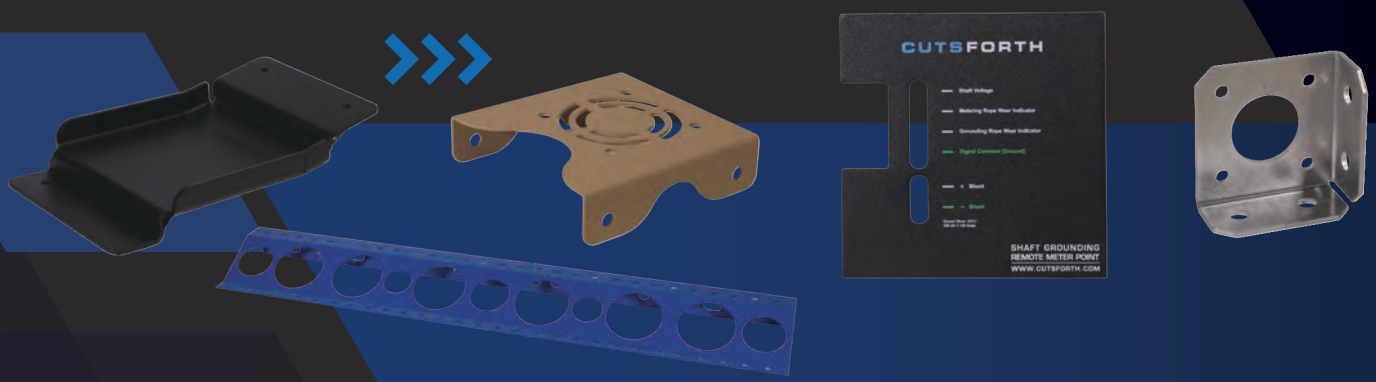






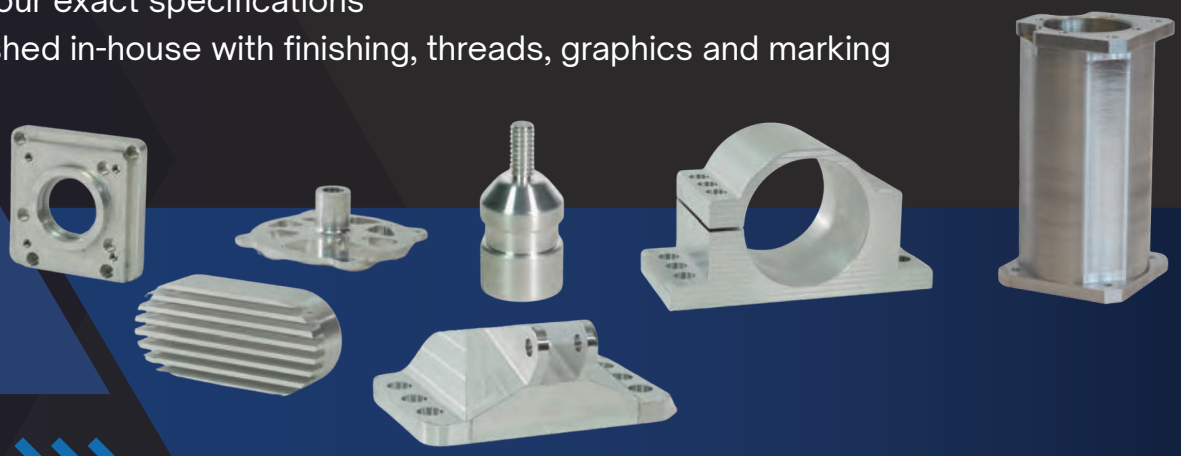

Precision Sheet-Metal Parts

- Custom panels, brackets and components
- Built to your design
- Fully finished in-house with coatings, treatments, graphics and marking



Precision Machined Parts

- Precision machined and turned parts
- Built to your exact specifications
- Fully finished in-house with finishing, threads, graphics and marking



Custom Electronic Enclosures

- Rackmount
- U-Shape and L-Shape
- 5-Sided
- Consolet
- Extruded Enclosures
- Hybrid Enclosures
- Fully Custom Shapes and Assemblies
- Machined, Diecast and Hybrid Enclosures
- Customized Pelican Cases













Bus Bars

- Custom cut and formed from Copper or Aluminum
- Bare metal or fully finished with tin plating or resicoat



Gaskets

- Custom cut to your exact specifications
- Available in a range of materials including: Polyurethane, Neoprene, Vinyl, Buna-N Foam, Neoprene Rubber
- Custom O-rings also available





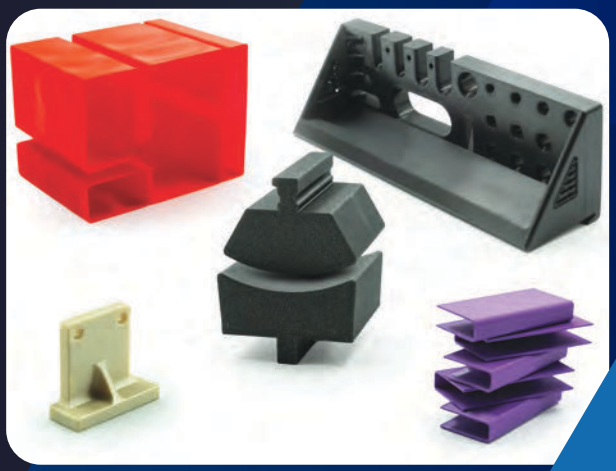
Electro-Mechanical Assembly

- Full electro-mechanical assembly for parts and enclosures
- Integration of hardware, fasteners, components, and wiring
- Delivered complete and ready for installation



3D Printed Parts

- Parts and components for custom electronic enclosures
- High temperature 3D printing for environments up to 500 degrees



Finishing Options

- Chemical Film Conversion Coating (MIL-DTL-5541F)
- Powder Coat
- Resicoat
- Anodizing*
- Plating (Nickel and Tin)*
- Media Blasting
- Vibratory Finish
- Grained Finish
- No Finish
- Cerakote
- Wet Paint









Graphics & Marking

- Silkscreen
- Digital Print
- Laser Marking (MIL-STD-130)
- Engrave and Fill (MIL-STD-130)
- Dot Peening (MIL-STD-130)
- Rubber Stamping (MIL-STD-130)





*Third-party finishes

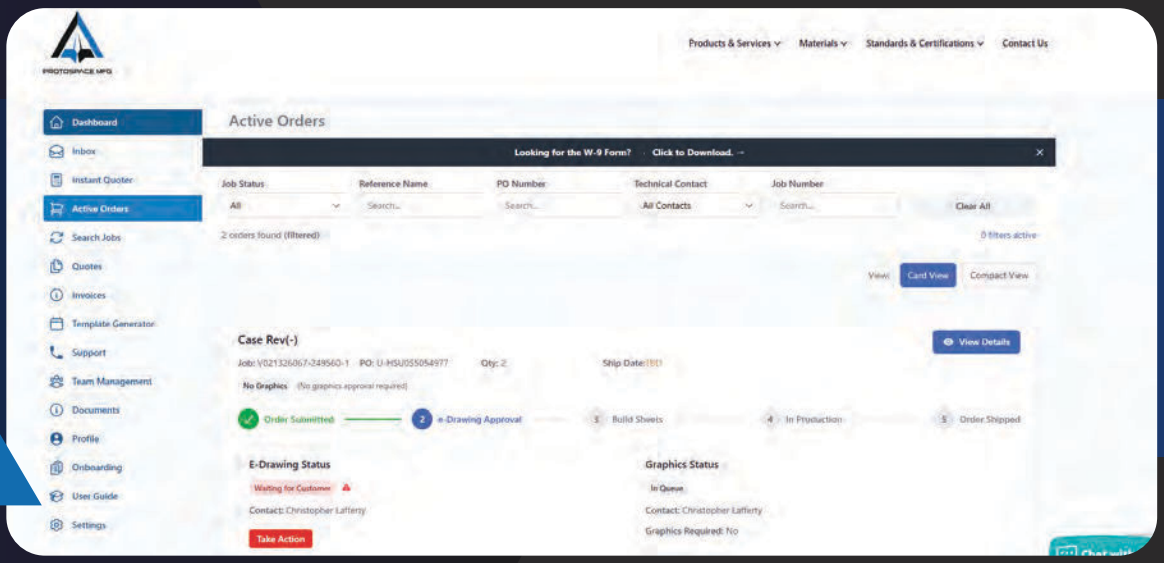
Your Projects, All in One Place

In today's world, engineers, purchasers and product teams need answers quickly. Waiting on emails or phone calls for quotes, order updates, or design approvals slows projects down.

Our My Account Portal gives you powerful self-service tools to quote, order, review designs, track shipments, and manage your ProtoSpace projects anytime — day or night.

My Account is your portal for everything related to ProtoSpace Mfg. With My Account, you can:

- Create CAD Templates
- Get Instant Quotes
- Check All of Your Quotes
- Submit Reorders
- Schedule Blanket Orders
- Check Order Status
- Approve E-Drawings
- Onboard With Us
- Get Instant Proforma Invoices
- Download Cutouts





Just-in-Time Inventory: Blanket Order Program

Higher-Volume Orders | Lower Cost | Manage Inventory Digitally

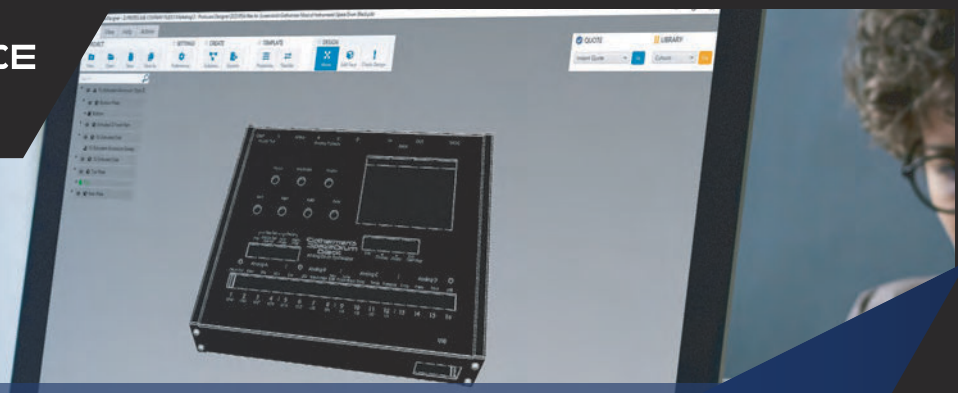
Available in two types: Prototyping Blanket Order, Standard Blanket Order

> "Because we don't have to take delivery all at once, we can conserve cash by releasing in batches that match our part turnover. Plus, the release of batches really increases the efficiency of our storage because we don't have excess inventory sitting around gathering dust."
>
> - Gareth Conner, President, Creative Conners

- ☑ Easy to Place & Manage Your Order
- ☑ Request Smaller Quantities
- ☑ Allows for Small Design Changes
- ☑ Save Storage Space
- ☑ No Out-of-Date Parts on Your Shelf
- ☑ Built in 2-3 days

Ask your ProtoSpace Mfg Account Manager whether a Prototyping Blanket Order or Standard Blanket Order works best for your needs!

PROTOSPACE DESIGNER



Design Faster with ProtoSpace Designer

ProtoSpace Designer® is our free design software that removes latency from the design phase. Start with parametric templates, customize your design in minutes, and move directly to production.

Built for Velocity

ProtoSpace Designer removes latency from the design phase so your project can move directly to production.

Start with Templates

Pre-built enclosure and part templates let you begin designing immediately.

Built-In Manufacturability

Real-time checks ensure your design can be manufactured without delays.

Instant Quotes

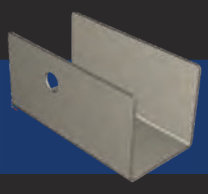
See live pricing as you design and iterate without waiting for a quote.

Direct to Production

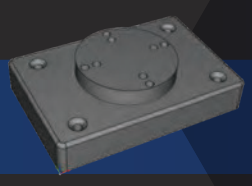
Submit your design directly to ProtoSpace Mfg — no file translation or handoff delays.

What You Can Design in Protocase Designer

Brackets & Panels



Machined Parts



Electronic Enclosures



Download at ProtoSpaceDesigner.com

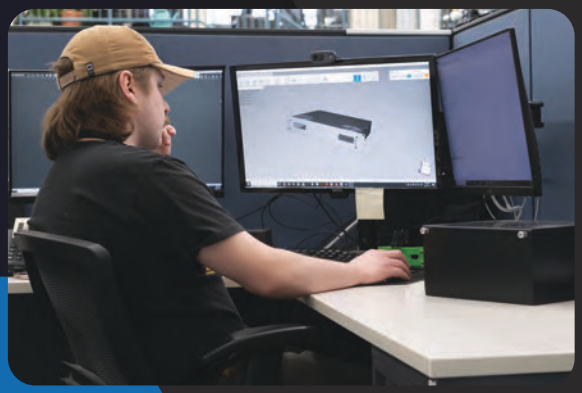
Real People. Real Support.

Behind every fast quote and seamless order is a team of experts ready to help you move forward — faster.

Our digital tools make custom manufacturing fast and easy. But when you need guidance, problem-solving or design help, our team is right there with you.

Expert Design Services

Need help bringing your concept to life? Our in-house design team is here to help, for a reasonable hourly rate



- Sheet metal parts, panels and enclosures, CNC machined parts, 3D printed parts and full assemblies
- From your initial concept, such as a simple sketch, PDF or even a set of components and boards
- You get CAD files (that you own!) in your preferred format, ready for manufacturing

Dedicated Account Team

You never navigate your project alone. From first quote to final delivery, a dedicated team supports you every step of the way.

- Account Manager as your main point of contact
- Sales & support staff for fast responses
- Engineers available for technical discussions



What Our Customers Say

As always, you guys deliver what we request in a timely manner. The panel meets all expectations.

- Terry Rayfield, Controls Engineer, National Aerospace Solutions, LLC

ProtoSpace Mfg has been accommodating of all schedules, working tirelessly to ensure their customers receive the right product on the right timeline.

– Geoff Maines, Senior Manager, Astra

We started with designs in SolidWorks and shared them with ProtoSpace Mfg, which iteratively modified the designs through regular collaboration. The final result was a dependable, cost-effective chassis that met our exact needs and maintained repeatable quality that is essential for our business model.

– David Erisman, Founder, Erisys RF Solutions

We got everything and it sure is beautiful. Thank you so much for helping with everything, we really appreciate it.

– Kiran Shila, Engineer, NASA

I really appreciate how responsive you and the team have been. ProtoSpace Mfg has been great to work with, and it makes a big difference when something unexpected pops up.

– Noah Wren, Mechanical Engineer, FIRST RF Corporation

PROTOSPACE MFG

Get in Touch

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Sydney, Nova Scotia

Proudly Manufactured in North America