



Custom Component Production (demo)

for **Vector Industrial Solutions**

As requested by
John Doe

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About Us

Titan Precision Manufacturing has been a trusted partner in the manufacturing industry for over **30 years**, delivering high-quality components to some of the most demanding sectors — from aerospace and automotive to industrial equipment and consumer products. Founded in **1995** in the heart of the Midwest, Titan started as a small machine shop with a commitment to craftsmanship and customer service.

Over the decades, we've grown into a **full-service precision manufacturing facility**, offering advanced **CNC machining, metal fabrication, injection molding, and custom tooling** — all under one roof. Our facility spans over **75,000 square feet**, equipped with state-of-the-art technology, and staffed by a highly skilled team of engineers, machinists, and quality specialists.

At Titan, we understand that every part we produce plays a critical role in our customers' success. Whether we're producing **aerospace brackets with tight tolerances** or **high-volume plastic enclosures**, our approach is the same: precision, reliability, and transparency.

We believe that manufacturing partnerships work best when built on **clear communication and mutual trust**, which is why every project includes upfront pricing, thorough quality documentation, and proactive project updates.

Production Scope

Tooling & Setup	\$21,950
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Tooling Fabrication / Mold Creation	\$17,000
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We'll design and fabricate custom tooling to meet your part specifications. This tooling is essential for consistent quality and efficient production.

What's Included:

- Final tooling design review
- Fabrication of dies, molds, or jigs
- Basic tool testing and calibration
- Ownership transfer at project completion

Optional Enhancements

- ☒ Premium Tooling Materials (Hardened Steel) —

\$3,000 × 3

 \$9,000
- Stronger materials for longer tooling life and tighter tolerances.
- ☐ Expedited Tooling Creation — \$2,000
- Move your tooling into immediate production to reduce lead time.

Base Cost: \$8,000

Equipment Setup & Calibration	\$2,500
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We'll set up our equipment specifically for your project, ensuring everything is dialed in for accuracy before full production begins.

What's Included:

- Machine programming and setup
- Initial calibration for materials and tolerances
- Trial production run for accuracy confirmation

Material Procurement	\$500
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We'll source all required materials from trusted vendors, ensuring quality and availability.

What's Included:

- Vendor selection and negotiation
- Purchase order management
- Basic material certification (Certificate of Authenticity)

Optional Enhancements

- ☐ Premium Material Sourcing — \$1,200
- Higher-grade alloys or specialty resins for advanced performance.
- ☐ Additional Material Certifications —

\$300 × 1

 \$300

First Article Production & Quality Check

\$1,950

Before full production, we'll produce and inspect a sample part to confirm everything meets spec.

What's Included:

- One first article part
- Dimensional inspection vs drawings
- Basic inspection report

Optional Enhancements

- ☒ Enhanced First Article Report — \$750
Detailed inspection with photos, material analysis, and packaging test.

Base Cost: \$1,200

Production Volume Selection

\$145,000

Batch Production (Initial Order)

Note: there's a minimum of 1,000 units required

We'll produce your full order to spec using approved tooling and processes.

What's Included:

- Full production run based on approved design
- In-process quality checks
- Basic production summary report

☐ 1,000-2,499 Units (\$50 each)

\$50 × 1,000

\$50,000

Per Unit Upgrades

☐ Finishing & Coating — \$5

☐ Premium Finishing — \$4

☐ Custom Packaging — \$4

foam inserts, branded boxes - recommended if parts are fragile, customer-facing, or require custom labeling.

☒ 2,500-4,999 Units (\$45 each - Best Value)

\$58 × 2,500

\$145,000

Per Unit Upgrades

☒ Finishing & Coating — \$5

☒ Premium Finishing — \$4

- ☒ Custom Packaging — \$4
foam inserts, branded boxes

Base Cost: \$45

☐ 5,000 Units (\$40 each)

$\$40 \times 5,000$ \$200,000

Per Unit Upgrades - ADDITIONAL discounts

- ☐ Finishing & Coating — \$4
- ☐ Premium Finishing — \$3
- ☐ Custom Packaging — \$3
foam inserts, branded boxes

QA, Documentation, & Logistics

\$1,650

Quality Assurance & Final Inspection (Basic Lot Check)

\$750

Includes:

- Final dimensional spot checks
- Basic production quality summary

Optional Enhancements

- ☐ Full Lot Inspection (100% Check) — \$3,500
- ☐ Detailed Quality Documentation (PPAP, CMM Reports) — \$850

Freight & Logistics Coordination

\$900

(assumes standard freight for full shipment)

- Carrier selection & booking
- Basic freight insurance
- Tracking & delivery confirmation

Optional Add-Ons

\$1,200/Year

☐ Expedited Production (Rush Fee)

+10% \$16,860

- Immediate slot in production queue
- Overtime if needed

☒ Long-Term Tooling Storage

\$1,200/Year

Details:

- Climate-controlled storage
- Annual condition check
- Inventory tracking

One Time

Total(s) **\$168,600**

Recurring Annually

Total(s) **\$1,200**



Capabilities

At **Titan Precision Manufacturing**, our strength lies in the breadth and depth of our capabilities. With over three decades of experience, we've invested heavily in advanced equipment, modern processes, and a highly skilled team to ensure we can support the diverse needs of our customers across industries like **aerospace, industrial equipment, electronics, and consumer products**.

Core Manufacturing Processes

- **CNC Machining:** Multi-axis milling and turning, capable of holding ultra-tight tolerances for complex geometries.
- **Metal Fabrication:** Precision cutting, forming, and welding of aluminum, steel, stainless, and specialty alloys.
- **Injection Molding:** Custom tooling and production for engineered plastics, including overmolding and insert molding.
- **Sheet Metal Processing:** Laser cutting, stamping, bending, and finishing — from prototype to production volumes.
- **Assembly Services:** Mechanical and electro-mechanical assembly to deliver complete, production-ready components.

Materials Expertise

Titan works with a wide variety of materials, ensuring we can support diverse project requirements:

- **Metals:** Aluminum, stainless steel, carbon steel, copper, brass, and titanium.
- **Plastics:** ABS, polycarbonate, nylon, PEEK, and high-performance engineered resins.
- **Composites:** Carbon fiber and fiber-reinforced plastics for specialty applications.

Quality & Inspection

Every project benefits from **in-process quality checks** and a **final inspection process** designed to ensure adherence to customer specifications. Our inspection capabilities include:

- **CMM (Coordinate Measuring Machine) Inspections**
- **Optical Comparators**
- **Surface Finish & Hardness Testing**
- **Full Documentation Packages:** PPAP, First Article Inspections (FAI), and Certificates of Conformance (CoC)

Facility & Technology

Our **75,000 square foot facility** houses a diverse range of equipment to handle both **low-volume prototypes** and **high-volume production runs**. We continuously invest in **automation and lean manufacturing** practices to enhance speed, precision, and cost efficiency.

Flexibility & Scalability

From **one-off tooling projects** to **ongoing production partnerships**, Titan Precision Manufacturing is equipped to scale to your needs — offering both **domestic production** and **international sourcing support** for cost-sensitive programs.

Terms

The following is a sample Terms & Conditions page provided for illustrative purposes only. These terms are not intended for actual legal use and should not be considered binding.

1. Scope of Work

Titan Precision Manufacturing (hereafter "Manufacturer") agrees to provide custom component production services to Vector Industrial Solutions (hereafter "Client") as outlined in the accompanying proposal.

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2. Payment Terms

All payments are due according to the schedule outlined in the proposal. Late payments may incur interest and delay production.

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3. Change Orders

Any changes to the approved design, materials, or production process must be requested in writing and may result in additional costs and revised lead times.

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4. Tooling Ownership & Storage

Upon final payment, Client owns all custom tooling. Manufacturer offers optional long-term tooling storage for an annual fee.

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5. Quality Assurance

Manufacturer will follow the inspection standards outlined in the proposal. Additional inspections or certifications beyond the agreed scope will incur additional charges.

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6. Force Majeure

Manufacturer is not responsible for delays caused by events beyond its reasonable control, including but not limited to natural disasters, supply chain disruptions, labor strikes, or government action.

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7. Warranty & Liability

Manufacturer warrants that all components will conform to the approved specifications at the time of delivery. Liability is limited to repair or replacement of defective parts.

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8. Confidentiality

Both parties agree to maintain the confidentiality of proprietary information exchanged during the project.

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9. Termination

Either party may terminate this agreement with written notice, provided that all completed work and outstanding costs are paid in full.

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10. Governing Law

This agreement shall be governed by the laws of the State of [Insert State], without regard to conflict of law principles.

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Final Note

This page is a **sample only** and is not intended for actual use. Your legal counsel should draft custom Terms & Conditions specific to your manufacturing agreements.

Both parties agree to the terms and conditions outlined above.

COMPANY	CLIENT/CUSTOMER
<hr/>	<hr/>
Full Name	Full Name
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Title	Title
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Business Name	Business Name
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Signature	Signature
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