



QUALITY CONTROL

Built-In Quality That Protects Every Part, Every Time

A disciplined, multi-stage inspection process ensures every component meets specification, before, during, and after production.



**PLYMOUTH
INDUSTRIES, INC.**

Custom Carts, Racks, Automation & Fabrication Solutions

Quality Products. Innovative Technology. Creative Solutions.

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Quality Control

Plymouth Industries integrates quality control into every phase of manufacturing, from setup validation to final inspection. With advanced inspection technology and a structured process, every part is verified for accuracy, consistency, and performance before it leaves the facility. This approach reduces risk, protects your operation, and ensures confidence in every delivery.

Inspection Technologies

We invest in metrology and inspection equipment. Our tools provide highly accurate measurements and verification, ensuring that every part meets the required specifications.

Keyence Coordinate Measuring Machine (CMM)

The Keyence CMM delivers precise, automated 3D measurements with unmatched speed and accuracy.

- Non-contact, high-speed dimensional inspection
- Accurate 3D measurements of complex geometries
- Consistent quality verification for tight tolerances

FabriVISION Laser Projector Scanner

Our FabriVISION Laser Scanner enhances our inspection capabilities by providing:

- High-resolution scanning for rapid part verification
- Laser precision for complex shapes and profiles
- Efficient first-article inspections and in-process quality control

Inspection Process

- **First Piece Inspection:** Confirms setup accuracy before production begins, preventing costly errors early
- **In-Process Inspections:** Identifies deviations in real time, keeping parts within tolerance throughout production
- **Last Piece Inspection:** Verifies consistency from first to final part, ensuring batch reliability
- **Advanced Measurement Technology:** High-precision dimensional analysis using CMM and laser scanning for accurate validation
- **Comprehensive Final Inspection:** Combines dimensional, visual, and functional checks to guarantee performance
- **Customer-Critical Feature Verification:** Ensures key interface points meet exact application requirements

**Ensure every part meets spec,
without exceptions.**

