

FROM PROTOTYPE TO PRODUCTION

Tooling That Delivers Performance at Every Stage



We simplify complex thermoforming challenges with in-house tool building, advanced scanning, and precision manufacturing—so you can move from concept to production with confidence.

Why Wurms Diversified Solutions (WDS):

- 55+ Years Thermoforming Expertise
- In-house Tool Building and 3D Print Prototyping
- 5-Axis & 3-Axis CNC Routing
- FARO Scan + Reverse Engineering
- Built for Prototype → Production
- One partner, multiple material supplier relationships

THE RIGHT TOOLING AT EVERY STAGE OF YOUR PROJECT

PROTOTYPE & LOW-VOLUME TOOLING

High Temp Ren Board Tooling

Precision-machined, heat-resistant material leveraged to create molds ideal for prototyping and low-to-mid volume runs. It can withstand high temperatures without losing its shape.

Result: Fast, cost-effective precision without sacrificing accuracy.

3D Printed Prototype Tooling

Rapid mold creation for early-stage testing and concept validation. The molds are made from materials that can handle hot temperatures.

Result: Accelerate iteration and identify issues before investing in production tooling.

PRE-PRODUCTION VALIDATION

Woodmaster Process Tooling

Specialized 5-axis machine to carve oversized molds designed to account for aluminum shrink during casting.

Result: Validate geometry and ensure dimensional accuracy before final tooling investment.

PRODUCTION TOOLING

Aluminum Cast Tooling

Durable, water-cooled molds built for high-volume production with consistent performance. Aluminum tooling is the best quality choice for high-volume projects and gives your parts a smooth, sharp finish.

Result: Long tool life, superior surface finish, and repeatable part quality.

ADDITIONAL SUPPORT SERVICES

WDS is more than tooling. We are a complete partner that supports your entire development process—from reverse engineering to production validation.

3D Printed Thermoform Tooling

Fast, cost-effective molds built for low-to-medium volume production.

Benefit: Accelerate product development.

FARO Scan Reverse Engineering

Recreate parts without CAD files and accelerate design modifications.

Benefit: Faster turnaround and reduced engineering bottlenecks.

In-House CNC Fixture Building

Custom-built fixtures for precise trimming and finishing fixtures.

Benefit: Improved accuracy and faster production timelines.

In-House 3D Printed Sample Parts

Test fit and function before committing to tooling.

Benefit: Catch issues early and reduce costly revisions.

CHECK FIXTURE BUILDING

Inspect and verify finished parts to meet exact specifications.

Benefit: Confidence in repeatability and production quality.

ADVANCED CAPABILITIES. PROVEN RESULTS.

From concept validation to full-scale production, WDS integrates tooling, forming, and finishing into one seamless process.

- Vacuum & Pressure Thermoforming
- In-House Tool Building for faster lead times and better quality control
- Broad Material Expertise (ABS, PVC, HDPE, PETG, TPO and more)
- ISO 9001 Quality System

Industries We Support

- RV & Heavy-Duty Truck Components
- Transportation & Industrial Applications
- Medical Equipment & Furniture
- OEM Product Development Teams

Why Engineers and OEMs Choose WDS

- Single-source partner from concept through production
- Reduced development cycles and overall costs
- Proven precision and repeatability
- Reliable lead times and on-time delivery
- Built for demanding specifications and real-world performance

START YOUR TOOLING PROJECT WITH CONFIDENCE

Request a Quote – Call 419-492-2184 Ext. 2