



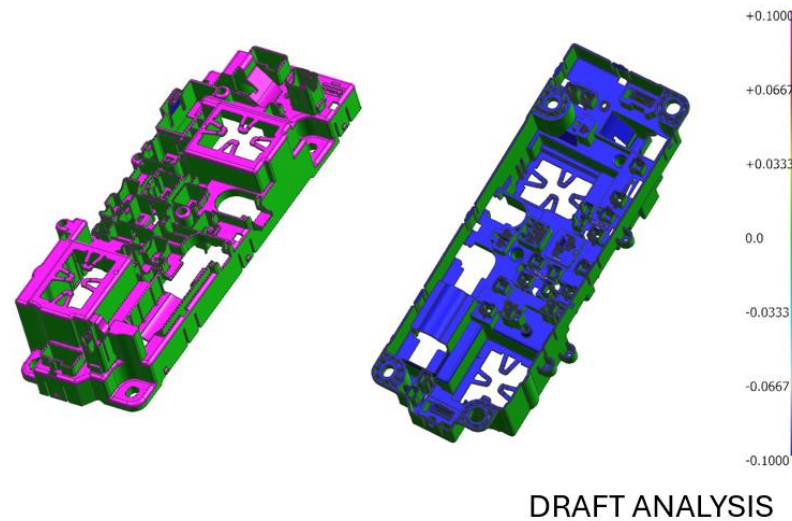
Elite Plastic Products, Inc.

- Founded 1995
- Headquarters located in Shelby Charter Township, Michigan.
- Production Molding
- Domestic & Offshore Tooling Capabilities
- In-House Tool Qualification and Maintenance
- IATF 16949 Certified
- Press Tonnage Range: 85-400
- Value Added Services: Over-molding, Insert-Molding, light assembly.



Value Added Engineering Services

- ✓ DFM Reports
- ✓ Mold Flow Analysis
- ✓ Scientific Molding
- ✓ Project Management Through Full Lifecycle
- ✓ Reverse Engineering Of Existing Parts
- ✓ 3D Printing (plastic & Metal)
- ✓ In-House and Third-Party Part Testing
- ✓ Production Feasibility Reports



Fill time
= 0.0573[s]

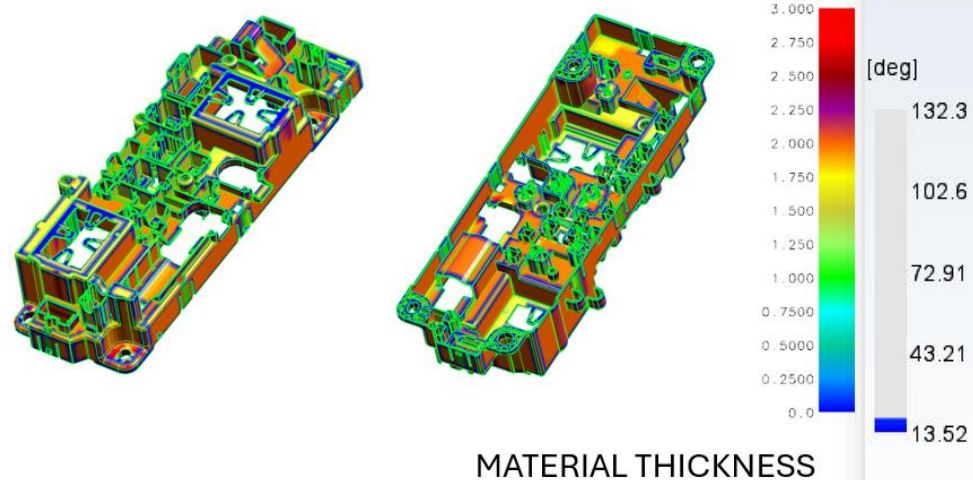
[s]

1.375
1.031
0.6876
0.3438
0.000

AUTODESK
MOLDFLOW ADVISER

Scale (300 mm)

Y
56
X
87
Z
-51



Weld lines
= 18.47[deg]

[deg]

132.3
102.6
72.91
43.21
13.52

AUTODESK
MOLDFLOW ADVISER

Scale (300 mm)

Y
52
X
7
Z
-41

Mold Construction & Tooling Capabilities

Domestic Tooling Capabilities

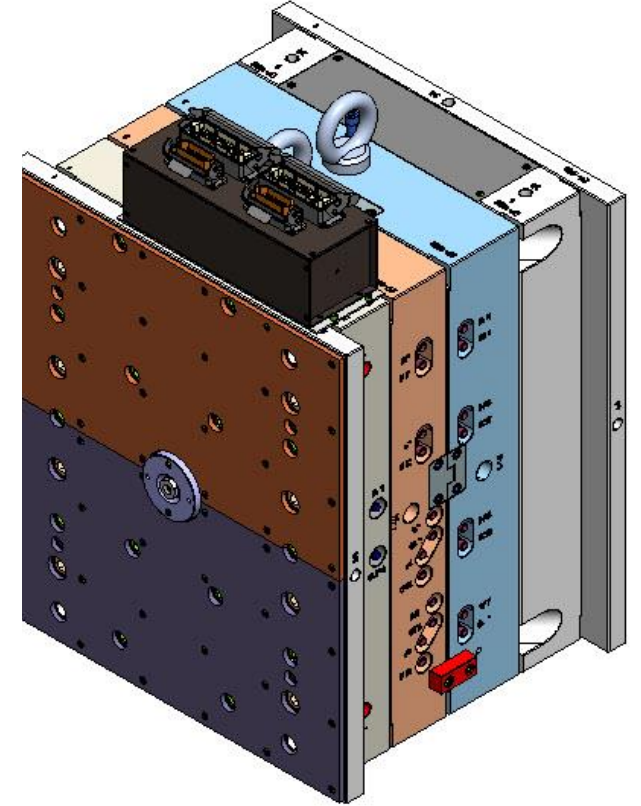
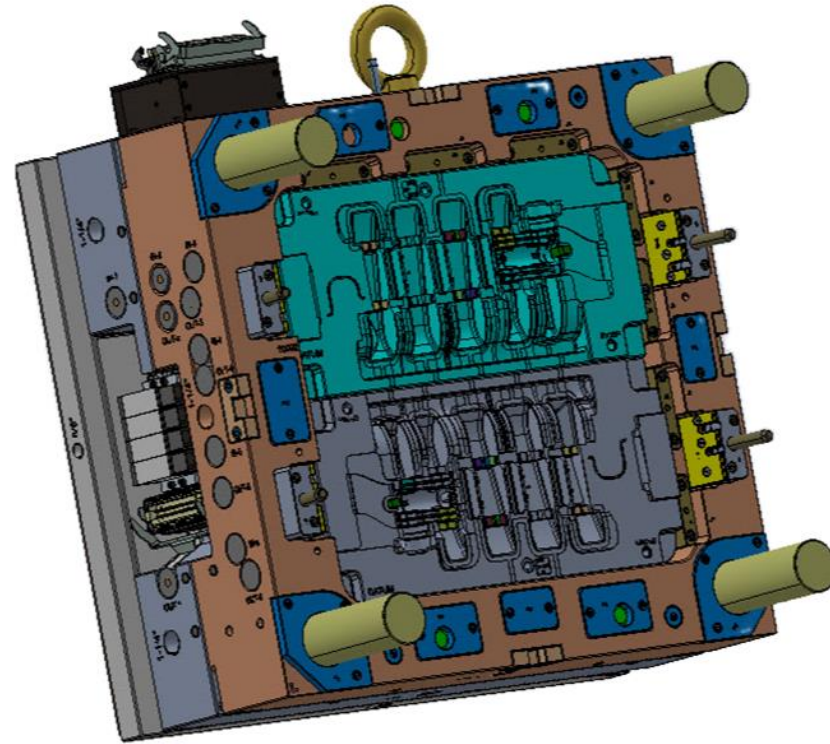
- In-house Tooling Services:
 - Mold Construction
 - Engineering Changes
 - Repairs & Maintenance

Offshore Tooling

- We utilize two full-service offshore tooling partners who we have been working with since 2001.

Additive Tooling

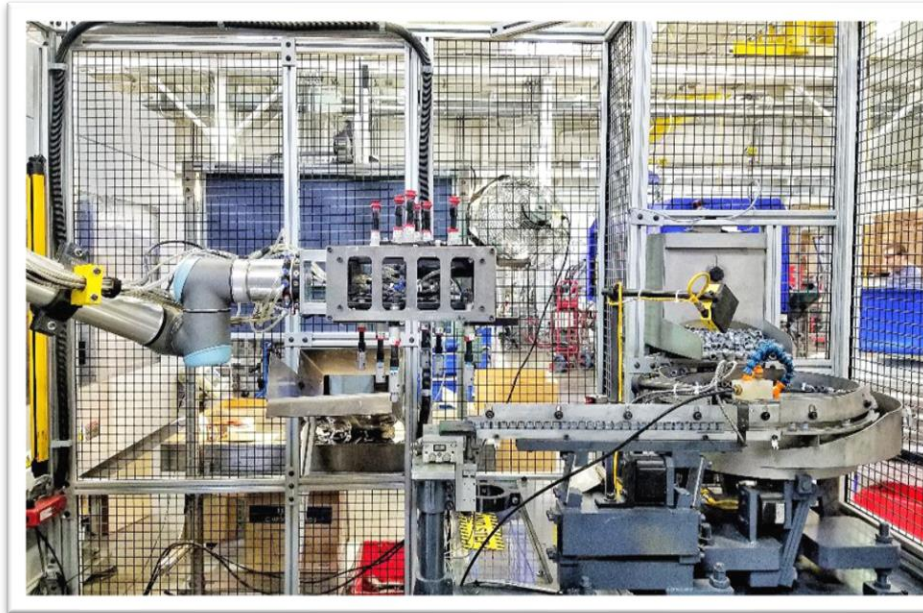
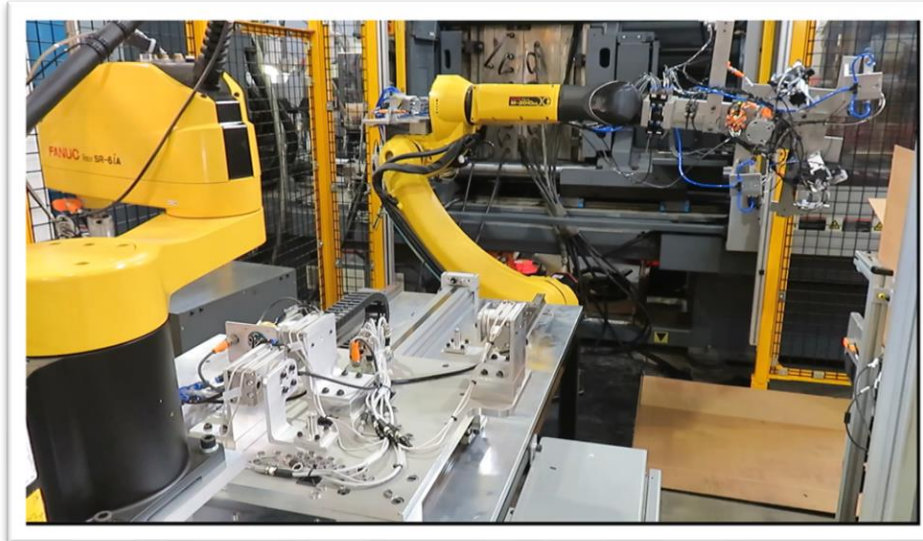
- In-house metal 3D printing machine capable of printing H13 equivalent hardened steel cavity/core and tool details.
- Can eliminate the need for EDM



Plastic Injection Molding & Value-Added Part Services

Molding Capabilities

- Elite utilizes the scientific molding process.
- We have 30 injection molding machines dedicated for production, that operate across three shifts 24/5
- Our injection molding machines are kept up-to-date, with an average age of less than 8 years, supporting efficient, high-quality production.
- We run multiple different material grades including:
 - Nylons, PP, ABS, POM, PC, PEEK, TPE, etc.....



We offer both automated and manual value-added solutions including:

- insert-molding
- Over-molding
- Light Assembly
- Special Packing
- Water Packing for Nylons
- Automated & Manual De-gating Solutions

Main Markets

- Automotive
- Industrial Products
- Power Sport
- Recreational Vehicle
- Consumer Products

Quality Systems & Part Inspection Capabilities

Capabilities

- Measurement and Part Performance Testing
- Part Inspection and Statistical Process Control (SPC)
- Process Capability Studies
- Measurement System Analysis
- Sample Inspection (full dimensional, first/last piece, in-process inspection)

Full-service Metrology Laboratory

- Contact & Non-Contact CMM
- FARO Arm
- Surface Profilometer
- Force Gage
- Spectrophotometer
- Gloss Meter
- Torque Driver
- Calipers, gage pins, height gage, surface plate
- Design and manufacture of gages, check fixtures, assembly fixtures
- 100% integration with ERP system

Elite Plastic Products, Inc.

IATF 16949:2016



Additive Manufacturing Services

Carbon DLS Printing Advantages vs. SLA:

Production quality printed parts
with full density.

Quick turnaround and rapid
production capabilities

Better surface finish for
premium cosmetic parts

Greater Material flexibility

* OEM Spec. Approved grades.



Customer Support

Our team is dedicated to understanding our customers' needs

What We Provide:

- A dedicated program manager
- A project timeline and weekly tool build report
- Support for pre-launch quantities at production pricing
- Competitive pricing
- PPAP qualifications
- CMM layouts
- Just-in-time delivery
- Thorough APQP process to capture all customer requirements with on time delivery
- 24-hour contact



Why Elite?



Experience

- We have been in the molding industry since 1995, and have seen projects of all different types

Full Project Lifecycle Management

- We can take your concept from the prototype level with molded prototype samples or even 3D printed parts and turn it into a full production line with a fully automated manufacturing process.

Support

- We can provide support from the start with Moldflow and warp analysis. Our friendly staff is also willing to help whenever possible and provide creative solutions for any issues.

Reliability

- By going with Elite, you will continue to get the same great service and quality parts throughout the entire program.

Michigan company

- Another great reason to go with Elite is because we are a Michigan small business, that proudly supports the Great Lake State as one of the great manufacturing hubs of the world.