



## Overview

- Located in the heart of the Finger Lakes; Auburn, NY 13021
- Operate a 64,000 square foot manufacturing plant. ISO 9001:2015 Certified & UL Recognized (A1504) Supplier.
- Specialize in Custom Thermoforming, Rotational Molding, Sheet Metal, Plastic & Metal Fabrication, & Value-Added Assembly

*"Bringing your project to life is not always a straight line... We have the imagination, passion and talent to solve unique challenges of your project and deliver extraordinary results when others cannot."*

*- Tom Herbert, President*

## Capabilities

- **Engineering** (SolidWorks & Mastercam)
- **In-House Tool Making**
- **Custom Thermoforming** - A process where an extruded sheet of plastic is heated to pliability, formed to the shape of either a male or female mold and then trimmed to fit the desired, detailed finished product.
  - Vacuum Forming
  - Pressure Forming
  - Drape & Membrane Press Forming
  - Free Forming
    - Rotary, Single Station, & Inline Thermoforming Machines
- **Rotational Molding** – A heated hollow mold is filled with a specific amount of resin and then continually rotated in an oven, softening the material to evenly disperse and stick to the walls of the mold. In order to maintain consistent thickness throughout the part, the mold continues to rotate throughout the heating phase all the way through the cooling phase.
  - Double Axis & Carousel Rotational Molding Machines
- **Sheet Metal & Plastic Fabrication**
  - CNC 3-Axis & 5-Axis Machines
  - CNC Laser
  - CNC Mills
  - Brake Presses
  - PEM Insertion Machines
  - Metal Cold Saw
- **Die Cutting**
  - 25 Ton Traveling Head
  - 20 & 40 Ton Stationary Heads
  - 70 Ton Punch Press
- **Value-Added Services**
  - Welding
  - Laser Welding
  - Riveting, Eyeletting, Sewing, Soldering
  - Painting & EMI/RFI Shielding completed in-house
  - Screen Printing & Powder Coating available via reliable outsourcing
  - 3D Printing
- **Testing** – Quality Assurance Department
  - Assuring our product meets & exceeds our customers expectations each and every day!



## Advantages of Custom Thermoforming

- Low tooling costs – more simplistic than injection molding
- Quick turn around time – faster to market
- Capable of providing rapid prototypes
- Cost effective for annual quantities
- Ideal for larger, deep parts
- Mates well with other plastics & metal processes

### Medical



### Robotics



### Retail POS



### Self-Watering Planters



## Advantages of Rotational Molding

- Low tooling costs – use of metals such as aluminum
- Consistent wall thickness – constant rotation
- High durability and stability
- Lighter products
- Wide variety of designs

### Agricultural



### Mass Transit



## Thermoforming Materials

- |           |         |
|-----------|---------|
| • ABS     | • NYLON |
| • ACRYLIC | • PETG  |
| • CAB     | • PC    |
| • HDPE    | • PP    |
| • HIPS    | • PPO   |
| • KYDEX   | • PU    |
| • LDPE    | • PVC   |

### Digital Signage



### Dunnage / Material Handling



## Metal Materials

- Aluminum
- Hot/Cold Rolled Steel
- Galvanneal
- Stainless Steel



Never Say Never  
Approach



Engineering &  
Manufacturing



Unmatched  
Quality & Service