



PROFORMA MANUFACTURING LLC

Specializing in Custom Thermoforming Applications and Plastic Fabrication



Company

We are Proforma Manufacturing, LLC, a Custom Thin / Heavy Gauge Plastic Thermoformer located just 10 miles east of Cleveland, Ohio in the eastern suburb of Euclid. We can provide our clients with over 50 years of thermoforming experience in Design, Engineering, Product Development, Prototype / Production Tooling and Manufacturing.

Thermoforming has been the choice by many of our customers for high quality engineered parts, which are tooled at a fraction of the cost of competing processes such as injection molding.

Our personnel are fully capable and have years of experience that have been assisting in leading the Thermoforming Industry with Design, Technology and Creative Solutions since 1977 – *Matt Ruzicka, President*



Thermoforming Capabilities

- Thin / Heavy gauge Medical (.030" - .500" Gauge)
- Rotary Formers Too 53" X 103" X 30" Depth
- PreDraw Forming
- Billow Forming
- Pressure Forming
- Twin Sheet Forming
- Etched Molds
- Mechanical Under Cut Forming
- Wood Molds
- Epoxy Molds
- Aluminum Molds (Water Cooled)

Finishing Capabilities

- CNC Trimming 60" X 120" X 30" In Depth
- 50 Ton (4) Post Press
- 75 Ton (4) Post Press
- Roller Die Cutters
- Routing
- Drilling
- Sonic Welding
- Gluing
- Painting
- Packaging
- Shielding
- Assembly

Industries Served

- Medical
- Automotive
- Transportation
- Computer
- Electronics
- P.O.P Displays
- Packaging
- Plumbing
- Building
- O.E.M

Materials Processed

- ABS
- ABS/PVC - ABS/ACRYLIC
- ACRYLIC
- STYRENE (HIPS)
- KYDEX
- NORYL
- PETG
- LDPE
- HMWPE (HIGH MOLECULAR WEIGHT)
- POLYETHYLENE
- POLYETHYLENE
- POLYPROPYLENE
- PVC
- * As well as many other materials.

Philosophy

Proforma Manufacturing believes in partnering with our vendors and customers to provide the exceptional service and quality that our clients have come to know. We have always been there for the medical, automotive, computer, electronics industries.

Design and engineering experience enables our customers to find the right solution to their thermoforming needs. We have always strived to provide our customers a combination of quality and competitiveness on all their thermoforming requirements. Helping our clients achieve their objectives in the marketplace with the products we have helped to design and manufacture brings even greater satisfaction to all of us at Proforma Manufacturing.



DESIGN

From early design assistance through the last thermoformed part to be packaged, we at Proforma Manufacturing have a combined knowledge and dedication that is unsurpassed in the industry. We have a reputation for bringing complex parts to completion that others say can't be made. Clients have found that the more complicated the design, the more creative our solutions. Our knowledge and experience with the latest in Thermoforming materials enables us to recommend the best possible material for your parts at the most competitive price.



ENGINEERING & TOOLING

Our engineering staff has decades of experience in designing heavy gauge thermoformed parts. Our sophisticated CAD/CAM system enables us to create your tools in a fraction of the time previously required. We read all the commonly used design files: Solid-Works, MasterCam, Cad-Key, Parasolids, Pro/Engineer, Unigraphics, IGES, VDAFS, StepAP203 and ACIS. This helps provide our customer's quick two-way communication for time sensitive solutions that bring their products to the marketplace on their critical schedules.



Partners in manufacturing and innovation.

"Helping the customer complete a design that will produce a manufacturable, cost-effective, thermoformed part or assembly and help bring it quickly to market is what differentiates Proforma from our competitors." –

Matt Ruzicka, President

MOLD

A part is only as good as the tool that produces it, which is why we build machined aluminum, temperature controlled molds. Cooling is an important feature of mold making. Properly controlled temperatures and cooling times help prevent stress build-up and warpage during the forming cycle of the part. We guarantee our molds for the life of your project.



Proforma Manufacturing, LLC is a partner in emerging and growing industries.
Our three decades as leaders in heavy gauge thermoforming uniquely qualify us to be your supplier for your thermoforming requirements.

MANUFACTURING

TWIN-SHEET THERMOFORMING:

When a double sided panel is needed such as a door hatch, enclosure or housing that needs extreme structural stability or to contain hardware, cabling, fixtures or insulation; twin-sheet thermoforming is the technology to use.

Pressure Forming

When crisp features, surface detail, or deep draws are required, pressure forming is the solution. It produces surface detail that rivals that of injection molding but with a much lower tooling investment



FINISHING

Painting:

We can provide any color or finish required, including water-borne coatings and EMI/RFI shielding. Our in-house finishing means we assume responsibility for your product from design to finish.

Screen Printing:

We offer screen printing (even on textured surfaces), pad-printing or hot stamping in single or multiple colors. Our art department can generate finished camera-ready art for your parts or projects. Our on staff artists can also provide design services. We also offer other value-added processes including assembly, wiring, and testing.



Quality

From the beginning of your project to the final inspection before shipping, quality plays the most important role at Proforma. To insure that your product meets the highest standards, we insist that each part passes a number of rigorous and detailed inspections.

The Proforma Advantage

Proforma Manufacturing has invested heavily in the knowledge of its people and the modern environment they work in. Work with a company with a reputation for innovation and quality that delivers parts on time at a fair price.

Call Proforma to answer your questions. We read all the commonly used design files: Solid-Works, Master-Cam, CadKey, Parasolids, Pro/Engineer, Unigraphics, IGES, VDAFS, StepAP203 and ACIS. We offer engineering and design support Monday- through Friday. We are here to answer any questions, exchange files or implement process changes to your designs. **Email: sales@thermoformedproducts.com**

Directions

Proforma Manufacturing, LLC is located in Euclid, Ohio. We are approximately 15 miles east of Cleveland, Ohio just off interstate 90. Proforma can be reached by flying into Cleveland Hopkins Airport (Just 30 minutes from our facility and are happy to provide pick up service to our facility).