

# EXPERIENCE EXCELLENCE



TOOLINGTECH GROUP



Fenton, MI



Fort Loramie, OH



La Vergne, TN



Macomb, MI



Temperance, MI



Washington, MO



At the pace of business today, manufacturers need to try and simplify their supply chain, while finding partners they know they can absolutely rely upon to deliver. We believe that Tooling Tech Group (TTG) can fulfill those requirements. As a leading manufacturer of tooling throughout the United States, we provide solutions for thermoform molding, high compression composite molding, blow molding, rotational molding, die casting, and stamping, as well as custom automated systems for assembly, joining and inspection applications. The depth and breadth of our capabilities is achieved through the combined experience of our four division, each composed of companies that have all been in business for 30+ years, proving out both industry experience and financial stability.

As a vertically-integrated company, we can also save our customers time and money. We have over 150 machine tools, cranes with up to 60-ton capacity, numerous stamping presses including a 2,750 ton transfer press, as well as our own foundry, to name a few equipment highlights. This in-house capability is spread among 12 strategically located facilities including one in China. We take full responsibility for quality, delivery, and cost management of each project starting at concept through "on time, every time" delivery.

Simply put, Tooling Tech Group offers the largest selection of capabilities and capacity to get your jobs accomplished under one roof.

Lee Childers, Chief Executive Officer

# Automation Division

Modular and Flexible Solutions for Assembly

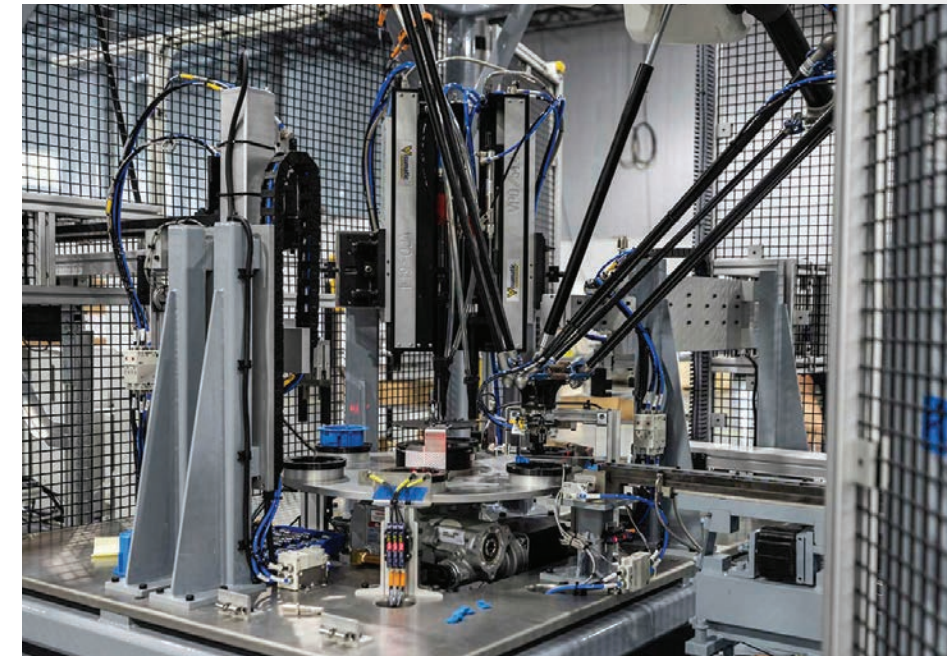


Automation is an excellent way to enhance assembly processes – helping to increase productivity, while controlling costs and delivering consistent quality. Whether you are looking for a semi-automated workstation, a secondary tooling cell, or a completely automated robotic assembly system, Tooling Tech Group

has the expertise to provide you the optimal solution to increase the quality of your products and processes.

Our solutions can automate processes inclusive of welding, fastening, inserting, dispensing, inspecting, testing, sorting and more. We offer flexible solutions capable of

accommodating multiple models, as well as scalable solutions that can grow with your needs. We've helped build efficiency into processes for the automotive, plumbing, cosmetics, household goods, medical, electrical, packaging, industrial sectors, and more.



# Compression and Thermoforming Division

One Company, Many Molds



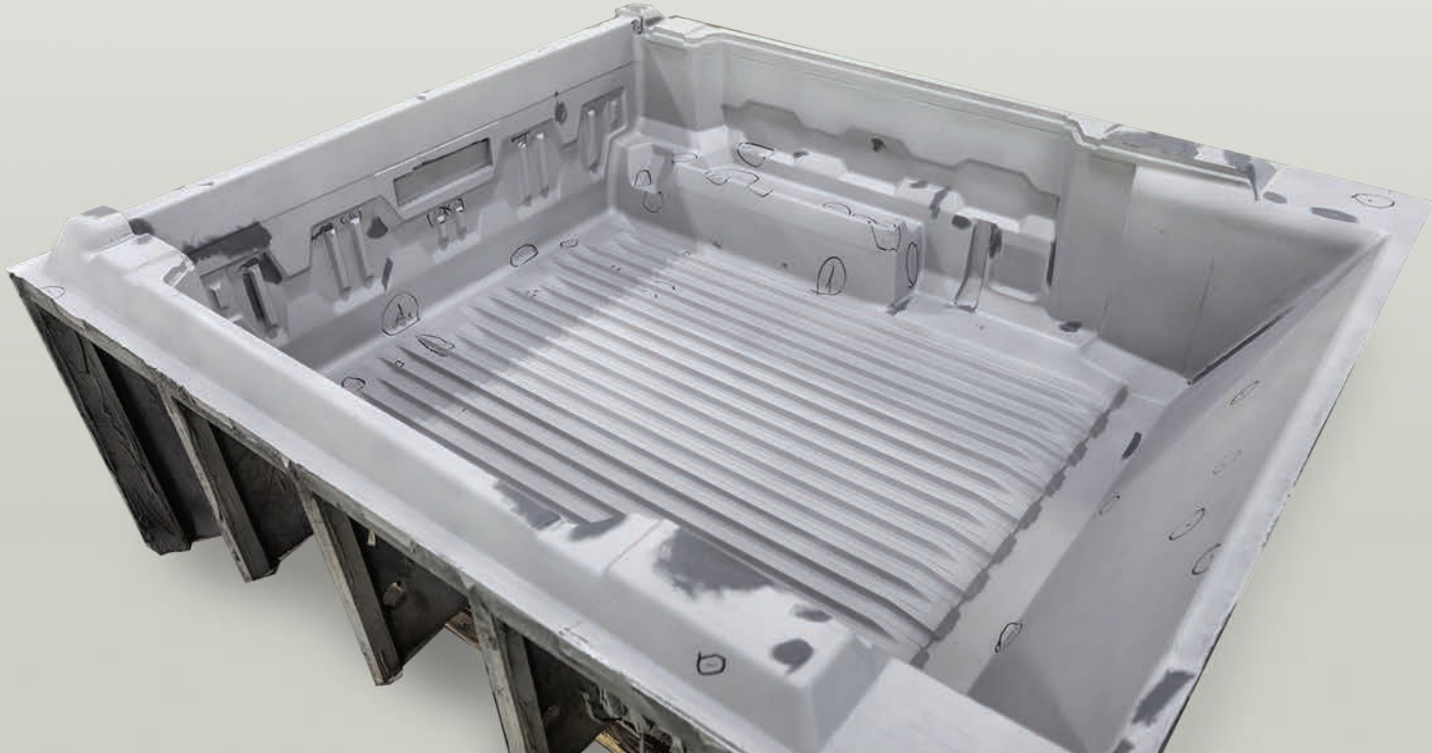
Imagine the ability to secure thermoform tooling, rotational molds, blow molds, compression molds and prototype tooling from a single supplier.

Our skill in machining complex geometries and exacting tolerances has allowed us to become a premier supplier of composite molds capable of delivering the exceptional surface quality required by manufacturers

of medium to large Class A exterior components for high profile products. The combination of our talented staff and leading-edge equipment makes us well-suited for producing high tolerance, complex components in aluminum, steel and high-temp alloys.



A true differentiator for TTG is our in-house aluminum foundry for producing thermoform tooling. Our company was founded on thermoforming, and we have the ability to handle every phase of the tool build in-house, from design and pattern to fabrication and finishing, ensuring quality is maintained throughout every project.



# Die Cast Division

Quality Castings Start with the Die



A leading provider of high-pressure die cast dies, Tooling Tech can design and build dies for the manufacturing of high-integrity aluminum die castings on machines with locking forces from 350 tons up to 4000 tons. These can be single-cavity dies with no slides to a multiple-cavity die with any number of slides.

Our specialty is producing tools for high volume, long lifecycle programs for a wide variety of parts used in the automotive, lawn and garden and consumer products industries. We also supply superior quality large tools for production of high integrity structural castings used in automotive chassis and sub-structures.

We partner with customers to develop castings that are lightweight, manufacturing friendly, and meet design intent. Our designs are intent on maximizing your process window, facilitating quick die change, simplifying tool maintenance and ensuring easy interchangeability of die components.



# Stamping & Design Division

From Die Design Through Tryout and Production



Tooling Tech Group has the experience and resource to handle everything from die design, build, tryout, repair, prototyping, emergency offload and even production runs, should you need it. Specialists in progressive and transfer stamping dies for the automotive and consumer industries, TTG can handle your most complex die needs, be it one die or a 40-die package.

We use advanced design and simulation tools, as well as laser measurement technology to quickly identify tooling deformations, fixing problems early in the manufacturing process. For transfer press applications, we apply simulation software to identify crashes, close calls and inefficient transfer system curves before the dies are machined, built and tried out.

From there, we have stamping presses with in-die sensors and camera vision systems to inspect running parts at high speed and accuracy. All of this ensures that your die will perform as intended, whether designed in-house by our team or from another vendor, helping you reach your launch and production goals.





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