



THETA TTS
PRECISION METAL FORMING





DESIGN



TOOLING



STAMPING



ASSEMBLY



DELIVERY

DESIGN THROUGH DELIVERY

"Theta TTS has a reputation for effectively manufacturing difficult and complex metal-formed parts that meet stringent quality standards. My father founded this company in 1962 on the principles of technical excellence, honesty, hard work, and respect. Theta TTS has remained committed to his vision even as we have grown into a full-service parts and component supplier. We find ways to build parts that some people wouldn't have thought possible."

~ Glenn Gauder, President

We are Theta TTS. We build parts and components and deliver manufacturing solutions that help keep you in the forefront of a competitive and highly technical marketplace. We partner with you and provide design expertise, precision tooling in-house, a full range of cost-effective metal stamping capabilities, welded assemblies, components, and finishing services.

Design is the key to everything we do. This is where we find the best way to build your part, cost-effectively and reliably. We work with you to streamline the manufacturing process by consolidating steps, adding value, and thus reducing your total cost.

Design touches every part of the process and everyone involved. Our team works with you to understand your engineering, logistics, and purchasing requirements. Our process engineering experts identify potential issues in advance, to help you save time and money, and ensure quality for your parts.

We supply Tier 1 automotive manufacturers as well as manufacturing companies in other sectors, such as construction, electronics, and consumer goods. We have the experience and the expertise to build your parts and components, delivering to spec, on budget and on time.



"I don't just design a part. I create a process by breaking down complex components into simple steps."

~ John Bucek, Tool Designer



"Whether our customers come to us with a part concept or a fully developed design, we provide the metal forming expertise to make it a reality."

~ Guy Quesnelle, Tool Designer





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TURNING CONCEPTS INTO REALITY

Precision tooling is the secret to quality metal stamping. We use leading edge technology to design and build critical tooling in-house, ensuring reliable, consistent results.

Our tool room is the heart of our operation – and has been since Theta TTS was founded in 1962. Our expertise in tooling allows us to create a process that meets your requirements over the whole life-cycle of each part: conceptualization, process design, tool build and validation, manufacturing, and maintenance. When you do everything right, the outcome is quality.

For challenging parts or new manufacturing solutions, we provide comprehensive production and part prototyping. We validate the tough ones by prototyping the process, not just the part. Before investing in full production tooling, we test all of the critical process steps. This means a smooth launch and years of successful serial production.

“Manufacturing a complex part means rolling up your sleeves to plan, design, build, and prove a precision die. It’s a process that takes focus and dedication. When you get that right, you can make millions of parts and have each one reliably meet your spec requirements.”

~ Dieter Oetinger, Engineering Manager



"We build a tool knowing we're going to run it for years to come. We make sure it runs efficiently and reliably so you get consistent precision in all of your parts and components."

~ Jamie Cowan, Toolmaker



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PRECISION METAL FORMING

Metal stamping is one of the most cost-effective manufacturing processes available today. We provide progressive, transfer, and fine stamping – one of the few manufacturers to offer all three metal stamping technologies – along with the expertise and imagination to make them work for you.

We live metal forming. We stamp mild, high-strength, dual-phase, and stainless steels, as well as non-ferrous materials, such as copper, brass, and aluminum. Our experience and expertise mean high precision and tight tolerances for every part – whether your requirements are in the thousands or in the millions.

And because we design a process, not just a part, we find ways to optimize your manufacturing. We eliminate secondary operations by finishing parts within a primary work center with processes like in-die tapping, bushing insertion, and staking operations.

Providing the best manufacturing solution for each part – and realizing efficiencies within those processes – allows us to reduce your costs, while adding value to your parts.

“Tolerances and precision are critical for our customers’ assemblies. That’s why we work together with their engineers to find exactly the right process to meet their needs.”

~ Paul Eisener, Technical Sales

TRANSFER STAMPING

Our transfer stamping press lines, ranging between 400–600 tonnes, are ideal for complex geometries, tight tolerances, deep-drawn parts and high-volume production. Transfer stamping uses material economically and can eliminate expensive secondary processes.



FINE STAMPING

Theta TTS is equipped with fine stamping presses, ranging from 250-650 tonnes. Building on our precision tooling expertise, we create parts with sheared, straight-cut profiles, small holes (relative to material thickness), and exceptional consistency, by the millions.



PROGRESSIVE STAMPING

We use our progressive stamping press lines, ranging from 30-800 tonnes, to stamp ferrous and non-ferrous metals into parts with thicknesses of 0.15 to 6.5 mm. We streamline production by designing tooling processes that deliver precision parts and assembled components right off the press.





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SHORTEN YOUR SUPPLY CHAIN

Our goal is simple: refine the manufacturing process to help you reduce your costs and streamline your supply chain.

We make more than parts. We also develop, prototype, and build ready-to-install components for your assembly line. We complete secondary operations for you, such as robotic MIG welding, projection and resistance welding, manual riveting and staking, plating, coating, and heat treatment. You get a single source for components that are delivered ready for installation in your assemblies.

Theta TTS delivers components for Tier 1 auto industry manufacturers, including:

- seating, headrest & door components
- electric motor components
- engine, fuel & drive train components
- chassis, suspension & safety components

We are your manufacturing partner. You can rely on us for intelligent solutions that simplify your production and drive your business forward.

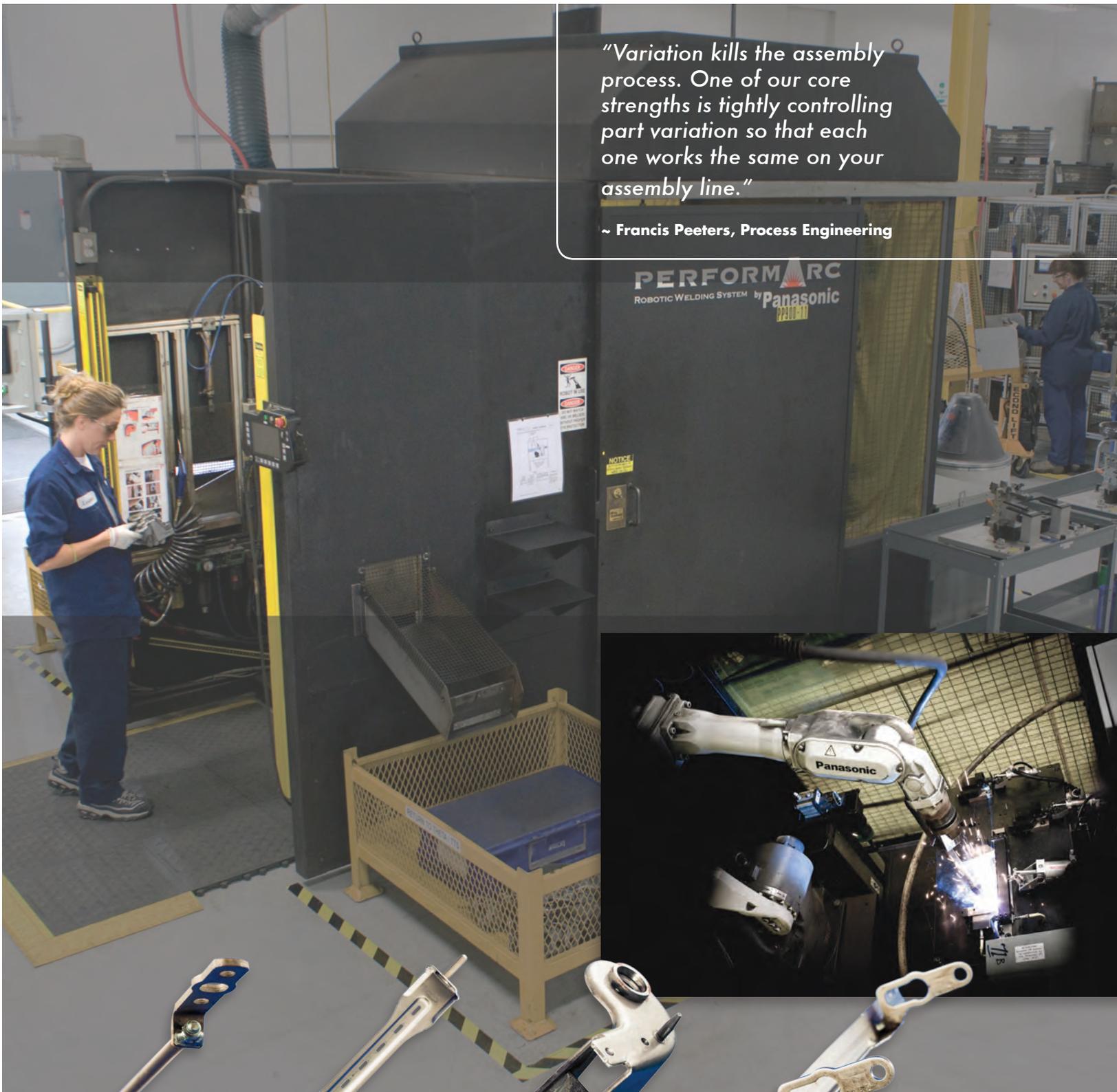
"I strive to make the engineering process more efficient by combining or eliminating steps in production. When we can bring two parts together in the same die, then join them so they fall off the press as a finished part, I know I've done my job well."

~ Luke Veenstra, Tool Designer



"Variation kills the assembly process. One of our core strengths is tightly controlling part variation so that each one works the same on your assembly line."

~ Francis Peeters, Process Engineering





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DELIVERING QUALITY

Delivery is much more than shipping a part; it's fulfilling a commitment that began when we first started working with you. Wherever you are based, we will deliver your parts and components economically, on time, and to spec.

We deliver because we manage and monitor the entire process from beginning to end: from tool design and process development to shipping. Our Quality Management System is TS16949 and ISO9001 certified. We deliver because we anticipate issues and validate the process to ensure each part and component will work when assembled on your line. Our proactive approach ensures continual improvement, reduction of defects, and minimal waste.

Logistics management is integral to our quality program. This means efficient movement of goods through the manufacturing process to final delivery of finished product at your dock.

Let's Talk

We'd love to learn more about your business, your challenges, and how we can support your growth and success. Interested? Contact us at **(705) 726-2620** or **sales@ThetaTTS.com**.

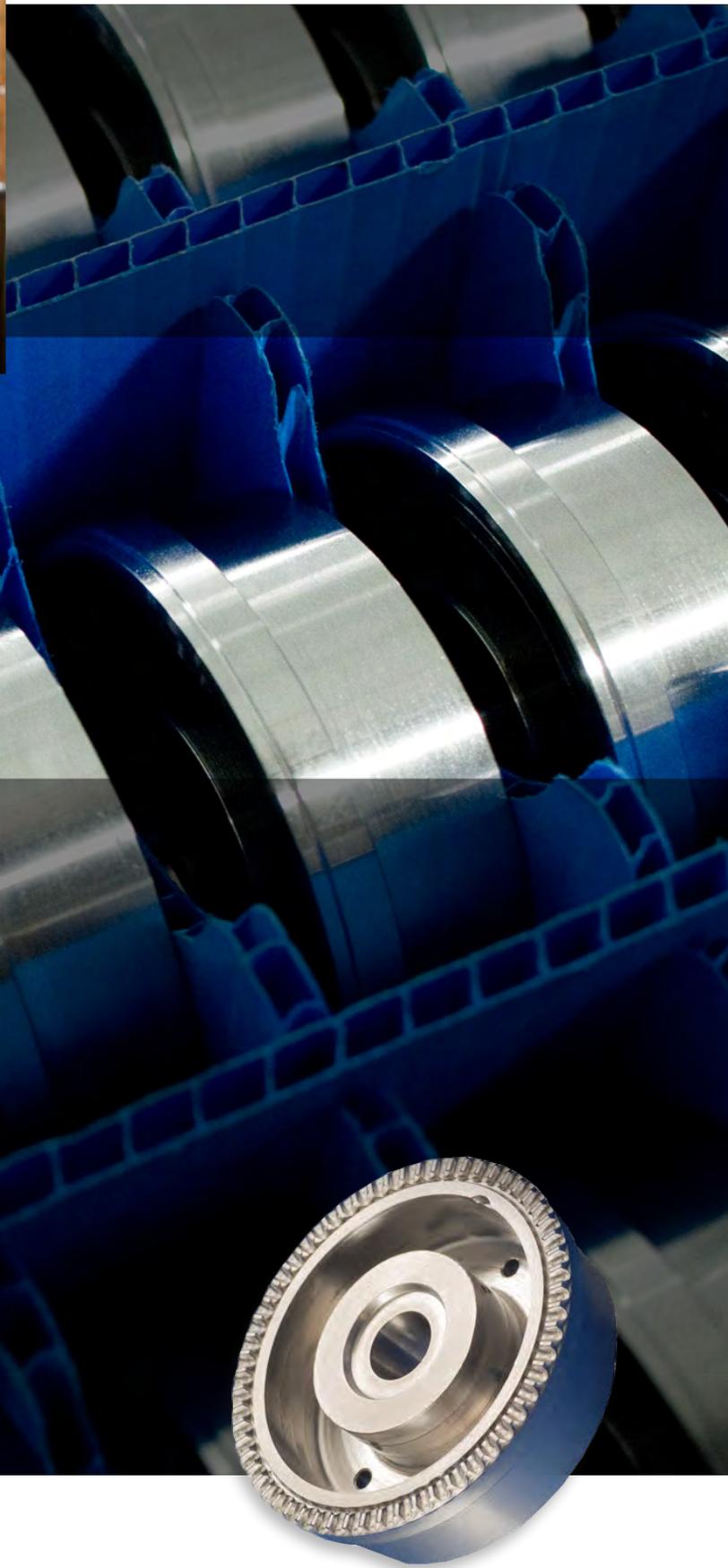
"Quality assurance is really a production management system. Everyone on our team is empowered to prevent problems before they occur. This ensures quality by balancing prevention, appraisal, and around-the-clock followup support where necessary."

~ Steve Ellis, Quality Systems Manager



"My work is to make parts that meet specs. That means carefully monitoring the process, so we know that the parts will work as they should and that production is always running the way it's designed."

~ Aggy Madej, Press Operator





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