

COMPONENT ASSEMBLY

Efficiency within your supply chain comes with streamlining outsourced services. Our experienced team of design engineers can take your part from design through to delivery. Reduce manufacturing overhead with our in-house design, prototyping and manufacturing of ready-to-install components for your assembly line.

We solve our customers' challenges by bringing innovation to part development. We redesign processes and combine steps to streamline manufacturing and eliminate process variability off the line.

We build lasting relationships with our customers through collaboration on

their technical difficulties, increased efficiencies and consistent delivery of quality parts and components.

PART CONSISTENCY

Precision parts, made to spec, are essential to maintain a smoothly running assembly process. That's why we tightly control production so you can be sure that every part will work the same on your assembly line.

ADDING VALUE

This seat riser consists of two progressive stamped components, a pin and a spacer ring. The assembly is first robotic MIG welded. Then the pin is staked in place while the spacer ring is projection-welded in an automated work cell.

VALUE ADDED SERVICES

- Robotic MIG welding
- Resistance welding
- Projection welding
- Mechanical assembly
- CNC machining
- Deburring
- Coating
- Heat treating
- Washing
- Logistic services



STAMP AND ASSEMBLE UNDER ON ROOF

Each of these parts is a safety critical component. The bearing bracket assembly is a progressive stamped bracket resistance welded onto a tube. A stamped weight is then MIG welded to the bracket. The spindle bracket assembly is a stamped bracket MIG welded to a spindle. The seatbelt buckle bracket is a stamping with a MIG welded bolt. Then a spring washer is pressed onto the bolt.



*Bearing bracket assembly
for propeller shaft*



*Spindle bracket assembly
for seat adjuster*



Seatbelt buckle bracket

TAKING CARE OF SECONDARY OPERATIONS FOR YOU

We can help reduce your supplier chain by delivering finished parts. Whether it's mechanical assembly, CNC machining, robotic MIG welding or any other value-added operation, Theta TTS is your single-source supplier for critical components, ready for installation in your assemblies. If it cannot be done in the press, we provide secondary

operations – with the same precision our customers expect from our tools and stamping processes.

The seating component (below) is a three-piece assembly consisting of two fine stamped parts and one progressive stamped component. The parts are robotic MIG welded together.



AS GOOD AS THE LAST PART WE DELIVER

Production efficiency and part consistency require not only innovation and engineering expertise, they depend on a dedication to quality. Theta TTS has been a family-owned business since 1962. We know our reputation depends on the quality of the parts we deliver. Our manufacturing system is based on the TS16949 quality standard. This certification ensures that we continue to provide defect-free, consistent parts with an emphasis on continuous improvement.

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THETA TTS
PRECISION METAL FORMING