



**THETA TTS**  
PRECISION METAL FORMING

## FINE STAMPING

**F**or more than fifty years, Theta TTS has been a reliable, cost-effective supplier of quality parts to manufacturers in the automotive industry. Today, fine stamping represents the fastest growing area for our company.

Fine stamping opens up a wider range of options for your product, providing flexibility for your design and precision in its application. Even intricate parts feature superior flatness and consistency.

With a long tradition of delivering parts with tight tolerances, we understand what it takes to excel at fine stamping. Skilled toolmakers and excellent tool room support allow us to deliver precision fine stamped

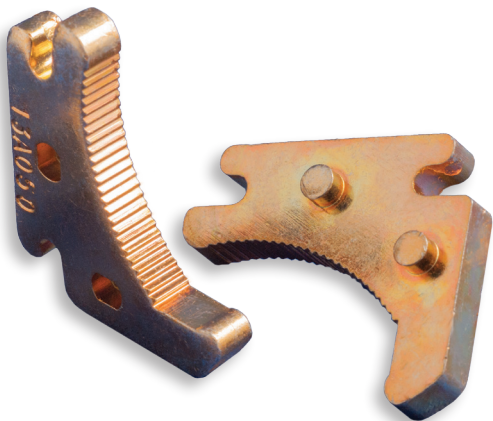
parts today. Our commitment to training the next generation of skilled tradespeople ensures that this will continue in the future.

### SUPPLYING CONSISTENCY

With fine stamping, sheet metal is simultaneously compressed and sheared, producing blanks with smooth edges to eliminate the need for secondary machining operations.

### HEADREST COMPONENT

*Adjustable headrest ratchet assembly features two extrusions and intricate tooth profile.*



### STATE OF THE ART MANUFACTURING

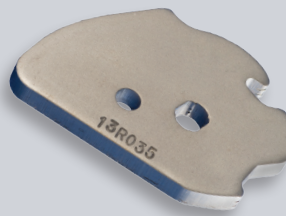
- Press size 320-650 tonnes
- Material thickness up to 8 mm
- Deburring
- Small holes relative to material thickness; hole size > 0.6 of material thickness
- Highest level of consistency
- Straight-cut edges with little or no material break
- Superior flatness
- Reduced production costs compared to sinter metal and machined parts





## EXPERT DESIGN. PRECISION PARTS

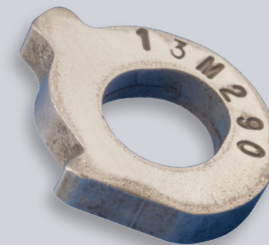
The perfect part is the last step in a collaborative journey with our customers. First we provide you with a clear picture of your options. Then we begin the design process in our engineering department. From there, we move through prototyping and testing to optimize each part before investing in full production tooling. Finally, with everything in place, we move to manufacturing and delivery of the finished parts for your assemblies.



Heat-treated headrest component



Clutch plate for tailgate lift assembly



Pivot lock

## WHY FINE STAMPING?

Theta TTS offers clients a unique level of control and part quality surpassing many characteristics of traditional metal stamping processes.

More and more manufacturers are discovering the advantages of fine stamping for parts that require clean edges and surfaces with little or no die-break, small holes, or greater strength than cast or sintered metal parts.



Backrest safety components

## A TRADITION OF PRECISION

Founded in 1962, Theta TTS has grown into a 9,500 square meter part manufacturing centre and a full-service component supplier for the auto industry worldwide. Our manufacturing system is based on the TS16949 quality standard, including

design, development, production and shipping. Theta TTS' mission is to be a leading global supplier of components and assemblies to the manufacturing industry on the basis of quality and leading edge technology.



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