

Core Capabilities

Manufacturing Processes:

- Deep draw, shallow draw and stamping
- Progressive die, rubber to metal and transfer tool

Capacity:

- Line presses, progressive die and transfer presses
- Prototype to high volume
- 1 to 5,000,000 pieces

Equipment:

- Hydraulic, double action mechanical, open back inclinable, pneumatic and transfer deep drawing presses to 500 tons
- In-house vacuum and hydrogen humpback annealing and heat treat furnaces

Materials:

- Cold rolled steel, stainless steel 200-400 series, aluminum, copper, brass, Monel®, titanium, Hastelloy®, Kovar®, nickel, Inconel®, Mumetal®, Cupro nickel, nickel silver and others.

Sizes / Shapes:

- 1/8" to 12" (3.1 mm to 305 mm) diameter
- Lengths up to 12" (305 mm)
- Material thicknesses .002" to .187" (0.05 mm to 6.35 mm)
- Round, square, rectangular and asymmetrical shapes

Precision / Tolerances:

- Tolerances as low as +/- .002" (.05 mm) on custom cases
- Tolerances as low as +/- .0005" (.0127 mm) on precision headers
- Drawn corner radii as small as .005" (0.127 mm)

Finishing Processes:

- Aqueous degreasing, deburring, heat treating and passivation
- Anodizing, polishing, painting, powder coating, bead blasting and plating
- Modifications: piercing, extruding, bulging, coining, tapping and machining
- Resistance spot welding, TIG welding, laser welding and brazing to MIL specifications
- Assembly of components and brackets to deep drawn enclosures
- PEM®, stud and standoff insertions

Supply Chain Management:

- Kanban, stocking programs
- Logistics, parcel LTL truckload and export

Design / Quality:

- Program management
- Engineering design assistance, finite element analysis (FEA) and test lab resources
- Lean, Six Sigma and ISO 9001:2008