



« EQUIPMENT and CAPABILITIES PROFILE »

Software

- *MasterCAM* – CAM and Solid Modeling Software
- *AutoCAD & Pro Engineer* – CAD Software
- *Deform 2D Forging Simulation Software*
- *MQ1* – Total Quality System Software
- *Microsoft Office*
- *Microsoft Great Plains Dynamics*

Machinery

Forging Equipment

- [2] 3000 lb. Board Drop Hammers
- [2] 2500 lb. Board Drop Hammers
- [7] 2000 lb. Board Drop Hammers
- [1] 1500 lb. Board Drop Hammer
- [1] National Reducer Roll #4
- [1] 3,000 Ton Hydraulic Press
- [1] 2500 Ton Mech. Press
- [2] 1" Upsetters
- [1] 3" Upsetter
- [1] 4" Upsetter
- [4] 5" Upsetters
- [2] 6" Upsetters
- [1] 7" Upsetter
- [1] 7.5" Upsetter

- [3] Induction Heating Lines
- [21] Digital Slot Furnaces
- [2] Resistant Heating Line

- [1] 150 Ton Press
- [2] 100 Ton Presses
- [4] 60 Ton Presses
- [3] 20 Ton Presses
- [8] CNC / Horizontal Band Saws
- [2] Bar Shears
- [4] ABB Material Handling Robots
- Various Support Equipment

Die Manufacturing

- [5] Vertical CNC Machining Centers
- [5] Horizontal Milling Machines
- [4] Vertical Milling Machines
- [4] CNC Lathes
- [4] Surface Grinders
- [2] Manual Lathes
- Multiple Die Grinders, Bench Grinders, Drill Presses and Support Equipment

Production Machinery

- [1] CNC Lathe
- [2] CNC Vertical Machining Centers
- [1] Horizontal Machining Center
- [3] Multi-Station Indexing Machining Centers

- [4] High Speed Turning Centers
- [5] Roll Threading Machines
- [2] Face & Center Machines
- [5] 40-Ton Presses
- [1] 50-Ton Press
- [12] 60-Ton Presses
- [2] 75-Ton Presses
- [1] 100-Ton Press
- [1] 125-Ton Press
- [3] 400-Ton Presses
- [2] 600-Ton Presses
- Multi-Spindle Drill Presses and Support Equipment
- Mechanical Assembly Presses
- Assembly Riveters

Inspection

- [2] Optical Comparators
- [2] Magnetic Particle Inspection Stations
- [1] Tensile Strength Test Station
- [4] Brinell and Digital Hardness Test Stations
- Full Layout Capability
- Precision Gage and Measurement Equipment

Capabilities

- ISO/TS 16949:2009
- ISO 9001:2008
- Hardness Testing
- Pull Testing
- Tool Design
- Die Design
- Layout
- Prototyping
- CNC Programming
- Machining
- Tool Making
- Die Sinking
- Production Part Approval Process
- Advance Planning Quality Procedure
- Forging up to 500 lbs.*
- Upsetting
- Media Cleaning
- Straightening
- Physical 3-D Model Sampling
- External:
 - Plating
 - Heat Treating
 - E-Coating
 - Physical Testing

* Actual metal forged weight; total part weight commensurate with total part size.