



TM / MC

Castings • Forgings • Machining • Heat Treatment

Since 1997, we have produced precision machined, heat-treated, cast and forged parts for OE heavy-duty off-highway axle manufacturers, heavy-duty on-highway rebuilders and aftermarket-transit parts distributors. We pride ourselves on consistently delivering quality parts at extremely competitive prices.

Our Manufacturing Facility

Vertical Integration
ISO 9001-2008

MAXIMIZING YOUR QUALITY WHILE MINIMIZING YOUR COSTS

Our 2 manufacturing facilities feature CNC machining, heat treatment, and quality inspection equipment that are comprehensive in both breadth and depth, and also integrate our own in-house purpose built foundry.

Machining Equipment

- Vertical Machining Centre
- CNC Horizontal Milling Machine
- CNC Vertical Milling Machine
- CNC Lathe
- CNC rotary drill
- Broaching Machine
- Centreless Grinder
- Surface Grinder
- Tool Grinder
- Cylindrical Grinder
- Hydraulic Press
- Punch Press
- Horizontal Band Saw
- Thread-rolling Machine
- Bench Drill
- Vertical Drilling Machine
- Tapping Machine
- Welding Machine
- Conventional Lathe
- Horizontal Milling Machine
- Vertical Milling Machine



CNC Machining Centre



CNC Control Panel



CNC Lathe Shop



Centreless Grinder



Surface Grinder



Thread Rolling Machine



CNC Milling Machine



Punch Press

Machining Capabilities

- CNC 4D Machining
- CNC Milling
- CNC turning
- CNC rotary drilling
- Precision Grinding
- Conventional Turning
- Conventional Milling
- Broaching
- Stamping
- Thread Rolling
- Drilling
- Tapping
- Welding
- Tool & Die making
- Assembly
- Fine surface polishing



Broaching Machine



CNC Lathe

Heat Treatment Equipment

- Carburizing Furnace
- Box Furnace
- Pit Furnace
- Salt-bath Furnace
- Induction Hardening Machine
- Tempering Furnace
- Annealing Furnace
- QPQ Nitriding Furnace
- QPQ Mechanical Polishing Machine
- QPQ Oxidation Furnace



Heat Treatment Capabilities

- Normalizing
- Tempering
- Annealing
- Quench and Temper
- Carburizing
- Liquid Carbonitriding (QPQ)
- Induction Hardening
- Through Hardening

Inspection Equipment

- Coordinate Measuring Machine
- Digital Metallographic microscope (with camera)
- Titration Equipment
- Rockwell Hardness Tester
- Vickers Hardness Tester
- Brinell Hardness Tester
- Fluorescent Magnetic Particle Flaw Detector
- Salt Spray Test Machine
- Miriam Deflection Machine
- Mechanical Properties Tester



Mechanical Properties Tester

Inspection Capabilities

- Microstructure Analysis
- Grain Sizing, Graphite flake typing and sizing
- Spheroidizing rate measurement, Ferrite Count
- Chemical Analysis of metals and alloys
- Rockwell Hardness (Scale A,B,C,15N,30N,45N)
- Vickers Hardness and Brinell Hardness
- Hardness Case Depth
- Coating Thickness
- Detection of tears, cracks, laps, seams
- Corrosion resistance analysis

On-site Electrodeposited (e-coating)
Painting Facilities

Reverse Engineering Services
From samples or prints



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Our Manufacturing Facility

Vertical Integration
ISO 9001-2008

MAXIMIZE YOUR QUALITY • LOWER YOUR COSTS • INCREASE YOUR BOTTOM LINE

Our 2 manufacturing facilities feature CNC machining, heat treatment, and quality inspection equipment that are comprehensive in both breadth and depth, and also integrate our own in-house purpose built foundry.



FOUNDRY

Our on-site grey and ductile iron casting capabilities provides our customers with exceptional flexibility and competitiveness.



VERTICAL INTEGRATED MANUFACTURING
REDUCED LEAD TIMES
INCREASED QUALITY
LOWERED COSTS

IN HOUSE PROCESSES
CASTING → MACHINING → HEAT TREATMENT

DEDICATED EQUIPMENT

DEDICATION TO QUALITY • DEDICATION TO CUSTOMERS

SPRING MACHINE

Brake Return Springs for on-highway HD truck and transit applications.



AUTOMATIC WELDING MACHINE

Pressed steel brake shoes for on-highway HD truck and transit applications.

