Turning
- Vertical boring mills to 207” diameter, 128” under tool holder
- CNC vertical boring mills to 156” diameter, 120” under tool holder
- Portable turning equipment to 264” diameter
- Lathes to 70” swing over ways, 55” swing over carriage, 220” between centers, 456” part length possible with extended bed
- CNC Lathes 32” diameter, 144” length

Milling
- Horizontal boring mills to 7 7/8” spindle, X=576”, Y=144”, Z=70”
- CNC horizontal boring mill, 3 axis, 5” spindle, X=93”, Y=81”, Z=67”
- Slotting to 18” length
- Portable milling machines with up to 72” of travel
- Up to 15HP hydraulic drives
- Capable of achieving flatness of less than .002” variation per linear foot

Grinding
- Blanchard grinding to 60” diameter
- ID and OD grinding
- Centerless grinding
- Surface grinding 24”x144”

Precision Measurement
- Brunson optical measuring
- Computer documentation of measurements
- API laser tracker
- 10,000LB balancer
- Hydro torque -11,000FT
Rotating Equipment Repair
- Gearboxes: reduction and angle drive repair
- Blower and compressor repair
- Centrifugal pump repair
- Screw pump repair
- Positive displacement piston pump repair

Hydraulic Equipment and Valve Repair
- Hydraulic motor and pump repair
- Accumulator repair
- Actuator design, fabrication and repair
- Cylinder design, fabrication and repair
- Flow control/orifice design, fabrication and repair

Crusher and Mill Repair
- FLSmidth Authorized Repair Facility
- Metso Authorized Repair Facility
- Gyratory, cone and jaw crusher refurbishment and repair
- Screen deck refurbishment, repair and parts fabrication
- 20' x 20' x 15' car body oven for stress relief
- Submerged arc, high-deposition-rate, base metal repair

Engineering
- Full engineering support for drawing development and updates
- Capability for finite element analysis (SolidWorks®)
- Laser tracker interface to SolidWorks®
- Special tool design, development and construction
- Complex project management

Quality Assurance
- Ultra-high precision component measuring & mapping using Faro laser tracker
- Process driven quality systems with full document control capabilities
- NQA-1, ASME, NBIC, UL quality programs
- NIST compliant calibration recall program
- SKF certified repair center quality program

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Machining: Fabrication

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