



# Atlas Equipment List

## Lathe Equipment

- 18 Engine Lathes: capacity to 69" diameter x 30' between centers
- 1 Romi swing: 23"x152" with 14-3/4" through bore CNC
- 1 Johnford Lathe 40"x160" CNC
- 1 42" Vertical Turret Lathe
- 1 60" Vertical Boring Mill
- 1 81" Vertical Boring Mill
- 2 CNC Mazak Quickturn 25L: capacity to 12.6 diameter x 28" between centers
- 1 CNC 5 Axis Mazak Integrex 35: capacity to 16" diameter x 60" between centers

## Milling Equipment

- 1 Toshiba 4-axis CNC Horizontal with Rotary Table: 80"x 60"x 20" capacity 12,800 lb.
- 1 Johnford 4-axis CNC Horizontal Machining Center: 78" x 70" x 65" capacity 15,400
- 1 Hurco VMX64 with 4th axis: 64"x 34"x 34" vertical CNC machining center
- 1 Hurco VMX30: 30"x 20"x 24" vertical CNC machining center
- 1 AGMA CNC Vertical: 31" x 39" x 86" 8,800 lb. capacity
- 1 Fryer CNC Vertical: 30" x 60" x 28"
- 1 Gray Planer Mill: 60" x 15' capacity
- 2 Horizontal Boring Mills: 4" and 5"
- 3 Key Seaters: capacity from 1/4" to 4" wide x 40" long

## Drilling Equipment

- 3 Radial Drill Presses: 4', 5' arms
- 4 Bench Drill Presses

## Grinding Equipment

- 1 Cincinnati Roll Grinder: crown capability to 24"x 14' x .090 crown
- 13 Cylindrical/Crankshaft and Roll Grinders: capacity to 48" diameter x 19' long between centers
- 3 Surface Grinders: capacity to 5' wide x 12' long
- 3 Rotary Surface Grinders: capacity to 30" diameter
- 2 Internal Grinders: capacity to 15" grind length and 8' long
- 1 Gem Finisher: for finishes to 1/4 Ra.
- 2 Abrasive Belt Grinders: 4" for rubber or metallic work
- 3 Crane Lapmasters
- 1 Dynamic Balancing Machine: 72" O.D. 20' long x 10,000 lb. capacity
- 1 Diamond Belt Grinding: for carbide & chrome 48" x 19'

## Welding, Fabricating and Hard Facing Equipment

- 6 Sub Arc Welders: capacity to 80" diameter x 40' long at 1000 amps
- 3 Heliarc and Tig Welding Machines
- 4 Conventional Arc Welders: to 500 amps
- 1 4' x 8' mini-CNC digital control burn table (portable capabilities)
- 1 Boretech Welder: capacity to 1" x 25" diameter x 6' long
- 1 Stress Relieving Furnace 20' x 8' x 8', 40 ton Capacity, up to 1850°F

## Thermal Spray

- 2 High Velocity Oxygen Fuel
- 1 Powder Flame Spray
- 1 Electric Arc Spray
- 1 Finishing



## Field Machining

- 4 Portable Milling Machines: capacity to 60" x 96"
- 5 Portable Boring Bars: capacity to 36" diameter x 10' long
- 6 Portable Honing Heads: to 96" inside diameter
- 2 Portable Key Cutting Mills
- 2 Portable Lathes (Journal Squirrels)
- 1 Flange Facers: to 24" diameter
- 2 Portable Hydraulic Drills: capacity up to 6" diameter
- 2 Portable Welding Machines: 500 amp diesel, 250 amp gas
- 1 20 Kilowatt Cammanator Metal Disintegrator
- 1 Compact 3 Axis 8" x 8" x 12-1/2" CNC Mill
- 1 Compact High Torque 2500 ft-lb Drill

## Crane Equipment

- 15 Overhead Bridge Cranes: capacities to 40 tons
- 18 Jib Cranes: capacities to 2 tons

## Metallography Lab

- Specimen preparation
- Microhardness
  - Vickers and Knoop
- Image Analysis up to 400x
- Coating Analysis
  - Porosity & Contamination
  - Thickness and Grain Distribution
  - Roughness
- Material Etching
- Welding Analysis

## Inspection Equipment

- 1 FARO ION Laser Tracker
- 1 Leica 402 Laser Tracker
- 1 Smile 400 Tool Setter
- 2 Magnetic Particle Inspection Machines
- 2 Magnaflux Machines
- 3 Rockwell Hardness Testers
- 1 Bendix Profile Surface Finish Indicator Equipment
- 1 Equiptip Portable Hardness Tester

## Saws

- 2 Vertical Metal Cutting Band Saws: to 26"
- 4 Horizontal and Cutoff Band Saws

## Press Equipment

- 3 Hydraulic Presses: Vertical and Horizontal: capacity to 450 tons
- Portable Press Equipment to 250 tons
- 3 Straightening Presses

## Cleaning Equipment

- 3 Glass Bead Cabinets
- 1 Long Hot Tank: 32" x 48" x 10'
- 3 Jet Washer Cabinets
- 3 High Pressure and Steam Power Washers



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