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## EQUIPMENT LIST

### PRESSES and RELATED EQUIPMENT

- 1500 ton Clearing mechanical SS, single point eccentric; 12" stroke; 12" adjustment; 9.6" min SH; 21.6" max SH (25.6 w/ 8" bolster); bed 60" FB x 58" RL; ram 40" FB x 60" RL; air cushion; hydraulic overload protection.
- 1250 ton Southwark hydraulic four-post; 26" stroke; 19" min SH; 45" daylight; 39" between posts; hydraulic cushion/blankholder.
- 800 ton Marquette mechanical SS, four point; 24" stroke; 4" adjustment; 19.0" min SH; 23.0" max SH; bed 80" FB x 120" RL; ram 75" FB x 120" RL.
- 400 Ton Verson: mechanical SS 14" stroke; 16" adj; 30" SH 68" x 120" bed; 6" bolster; 18 -27 VSPM
- 280 ton Niagara mechanical SS, single point; 4" stroke; 6" adjustment; 8" min SH; 14" max SH; bed 40" FB x 30" RL; ram 24" FB x 24" RL.
- 200 ton Chicago brake press, 12' bed.
- 150 ton Minster mechanical SS; 8" stroke; 4" adjustment; 8.5" min SH; 12.5 max SH; bed 42" FB x 31" RL; ram 22.5" FB x 25" RL.
- 58 ton Bliss OBI; 4" stroke; 4" adjustment; 8.25 min SH; 12.25 max SH; bed 18" FB x 32" RL; ram 7" FB x 11" RL.
- 100 ton Dake four-post hydraulic; 36" stroke; bed 37" FB x 57" RL; 45" RL btwn posts; 14" min SH.
- 90 ton Dreis & Krump brake press; 60" bed and ram.
- Automatic feeder for heavy bar and strip.

### WELDING and CUTTING

- Full range of stick, wire, MIG and flux-core welding units; steel, aluminum & SS welding capability.
- 200 amp MultiCam 6000 CNC plasma; 8' x 20' work envelope, Hypertherm HySpeed HT2000LHF power supply; water table.
- 200 amp C & G CNC plasma; Burney CNC control; plasma or oxy-fuel; 72" x 120" work envelope; water table.



- Special plasma circle-burning machine.
- 5' x 5' platens with fixturing for assembly
- 2,000# capacity Aronson weld turntable positioner; 60" diameter table.
- Pullmax beveler - floor standing, circular shear style.

## **MACHINING**

- Mitsubishi vertical machining center w/ 3-axis CNC; 28 tool ATC; Cat #45 taper; X=49", Y=27.5" ..
- (2) Brand New Hass VF6 Machining Centers w/3 -axis, ATC
- Youji YV-500ER CNC Turning Center; Fanuc Control; 30HP; 15" chuck; 2 speed gearbox; 48" discharge height; 17.7" Front door to Spindle center
- Monarch 150B vertical machining center w/ 3-axis CNC; tool changer; #50 taper; X=50", Y=30".
- Dorries-Scharmann VTL, 48" table; 55" swing; 30" under turret head; 5-position turret, side head.
- Giddings & Lewis vertical turret lathe; 32" dia table; 48" swing; 48" under bridge.
- Ikeda radial arm drill; 13" column x 48" arm; #5 MT spindle.
- Carleton radial arm drill; 11" column x 48" arm; #5 MT sprindle.
- Tacchi engine lathe, Series 41; gap bed; 32" swing in gap; 20" over ways; DRO.
- HAAS VF-6 VERT. MACHINING CENTER HAAS Control Table Size 64" x 32", X-Axis Travel 64", Y-Axis Travel 32" Z-Axis Travel 30", Main Motor 20 HP, Spindle Speeds 7,500 RPM, Tool Positions...24 ATC—(Side Mount), Spindle Taper.....#-40

## **ROLL BENDING**

- Heller three-roll bender; 5/8" x 36"; 39" max part width; drop bearing; end of lower rolls independently adjustable.
- Lennox angle-bending roll; angle to 2" x 2" x 1/4" leg out; flats to 2" x 3/8" on edge; 3" x 3/4" flat; 1-1/2" diameter rounds; 1-1/4" squares.
- Buffalo open-end pyramid roll; 15" max width.



## **SHEARING and CUT-OFF**

- Hercules plate shear; ½" x 12' capacity.
- Peddinghaus 35 ton structural shear; angle to 3" x 3" x 3/8".
- Bar shear; ½" x 12" capacity.
- Vertical band-saws for production cut-off - 2 units

## **FINISHING**

- Paint booth 35' x 50' drive-in
- Heated airless spray systems
- Pot system for epoxy & urethane
- Deburring and surface preparation
- Pressure washing with phosphatizing

## **TOOL ROOM EQUIPMENT**

- Tool room engine lathes - 3 units
- DoAll Vertical Band Saw - 16"
- Mattison Surface Grinder - 14" x 40"
- Norton Surface Grinder - 6" x 18"
- Kent Toolroom Knee Mill w/ DRO
- Kent Toolroom Knee Mill w/ CNC
- Measuring Tools, Hardness Tester, etc.
- Small Machine Tools
  - 1/2" Drill Press
  - Drill Sharpeners
  - Tool & Cutter Grinder