

LIST OF PRODUCTION EQUIPMENT AND DIE SHOP EQUIPMENT

FORGE SHOP EQUIPMENT

Hammers:

- (1) 1,500 lb. Erie steam hammer.
- (1) 2,500 lb. Erie steam hammer.
- (1) 3,000 lb. Erie steam hammer.
- (2) 6,000 lb. Erie steam hammer.
- (2) 8,000 lb. Erie steam hammer.
- (1) 12,000 lb. Erie steam hammer.
- (1) 20,000 lb. Chambersburg steam hammer.
- (1) 25,000 lb. Erie steam hammer.

Trim Presses:

- (4) #12 Erie trim presses.
- (7) #14 Erie trim presses.
- (7) #16 Erie trim presses.
- (3) #18 Erie trim presses.
- (3) #20 Erie trim presses.
- (2) #24 Erie trim press.
- (2) 250 ton Verson trim press.
- (1) 275 ton Verson trim press.
- (1) 600 Verson trim press.
- (1) 600 ton Bliss trim press.

Furnaces:

- (3) Slot furnaces - 2700# oil fired.
- (8) Slot furnaces - 2900# oil fired.
- (5) Box furnaces - 5000# gas fired.

HEAT TREAT AND SHIPPING DEPARTMENT EQUIPMENT

Furnaces:

- (2) Box type batch (normalizing and annealing) computer controlled furnaces - 8000# gas fired.

Hardness Tester:

- (1) Detroit 4 post BHN tester.

Cleaning Machines:

- (1) #20 Pangborn Rotoblast - steel shot blaster.
- (2) #26 Pangborn Rotoblast - steel shot blaster.

Miscellaneous:

- (1) 400 ton straightening press.

STEEL CUTTING DEPARTMENT EQUIPMENT

Saws:

- (1) Metalcut VI Cutoff (Carbide) saw 6" max. bar size.
- (2) Metalcut XII Cutoff (Carbide) saw 12" max. bar size.
- (2) Do-All automatic power saws 12" max. bar size.

DIE SHOP EQUIPMENT

CNC:

- (1) Haas VF-8 Vertical Machining Center
- (2) Haas EC-1600 Horizontal Machining Center
- (1) Mazak Slat Turn 50N Lathe

Mills:

- (1) 28" x 120" Cincinnati Hydro-Tel duplicating milling machine.
- (1) 16" x 30" Cincinnati Hydro-Tel duplicating milling machines.
- (4) 28" x 60" Cincinnati Hydro-Tel duplicating milling machines.

Vertical Turret Lathes:

- (1) 56" (68" swing) Bullard Dynatrol VTL w/Scan-O-Matic tracer.
- (1) 50" (54" swing) Bullard VTL.

Tracer Lathe:

- (1) 44" x 84" Monarch Lathe w/ Scan-O-Matic.

Engine Lathes:

- (1) 47" x 204" LeBlond Lathe.
- (1) 30" x 48" Monarch Lathe.
- (1) 20" x 82" LeBlond Lathe.

Drills:

- (1) Carlton radial drill - 90" arm on 17" column.
- (1) American radial drill - 70" arm on 14" column.

Saws:

- (1) 24" Do All die steel cut-off saw.
- (1) 36" Do All contour sawing machine.

Grinders:

- (1) 10" x 30" Do All surface grinder.
- (1) 3" Oliver drill grinder.
- (1) Cincinnati Monoset tool grinder.

Miscellaneous Equipment:

Numerous gas and arc welders, bench and pedestal grinders, die polish equipment, etc.