

# INTERCONTINENTAL ENGINEERING-MANUFACTURING CORPORATION

## MACHINE TOOL AND EQUIPMENT LIST

---

### HORIZONTAL MILLING AND BORING MACHINES

- 1 TOSHIBA SHIBAURA, floor type. 8.5" boring spindle; 3 axis CNC Control, Column travel – 56', vertical travel – 20'; tool extension – 119"; NC rotary table; right angle head & facing head attachments. 100 HP
- 1 PAMA, floor type. 7" boring spindle; 4 axis CNC Control. Column travel – 33'; vertical travel – 12'. Rotary table. All attachments. 85 HP
- 1 TITAN, floor type. 6.3" boring spindle; 4 axis CNC Control. Column travel – 49'; vertical travel – 13'; tool extension – 96.4"; NC rotary table; right angle & facing head attachments. 100 HP
- 1 TOSHIBA SHIBAURA, floor type. 6.3" boring spindle. Column travel – 14'; vertical travel – 11.3'. All attachments. 40 HP
- 1 TOSHIBA SHIBAURA, table type. 5" boring spindle; 3 axis CNC Control; NC rotary table. All attachments. 30 HP

### MILLING MACHINES/MACHINING CENTERS

- 1 TOSHIBA SHIBAURA, model VMC-8 Machining Center. 32 Tool ATC. 30 HP. Work piece: 64" x 34".
- 2 BRIDGEPORT TURRET MILL, 42" table. Complete with all attachments.
- 1 UNIVERSAL, complete with all attachments.

### VERTICAL BORING AND TURNING MILLS

- 1 FRORIEP, double column, 20' swing x 9' vertical. Work piece weight – 70,000 lbs.
- 1 TOSHIBA SHIBAURA, Model TSS 20/40A, 13' swing x 6'5" vertical. Work piece weight – 36,000 lbs.
- 1 TOSHIBA SHIBAURA, Model TSN-16A CNC control. 79" swing x 72" vertical. Work piece weight – 31,000 lbs.

---

### MATERIAL HANDLING EQUIPMENT

- 1 Gantry Crane, Traveling, 100/30 ton
- 1 Gantry Crane, Traveling, 20 ton
- 1 Gantry Crane, Traveling, 15 ton
- 3 Gantry Crane, Traveling, 5 ton
- 2 Jib Crane, Traveling, 5 ton
- 24 Chain Hoist, Electric, 2 ton
- 6 CATERPILLAR Forklift

### ENGINE LATHES

- 1 HEYLIGENSTAEDT, 64" swing x 36'. Complete with all attachments.
- 1 MEUSER, 32" swing x 26'. Complete with all attachments.
- 1 LODGE & SHIPLEY, 25" swing x 148". Complete with all attachments.
- 1 OKUMA, 24" swing x 120"; CNC Control. Complete with all attachments.
- 1 OKUMA, 21" swing x 59". Complete with all attachments.
- 1 LODGE & SHIPLEY, 16" swing x 56". Complete with all attachments.
- 1 SOUTH BEND, 13" swing x 60". Complete with all attachments.
- 1 NEW VISBEY, 12" swing x 56".
- 2 SOUTH BEND, 10" swing x 54"

### DRILL PRESSES

- 1 OKUMA, Radial, 10' arm, 27" column, 25' traverse bed.
- 1 OKUMA, Radial, 4' arm, 18" column.
- 1 WESTERN, Radial, 3' arm, 14" column.
- 1 CINCINNATI GILBERT, Radial, 3' arm, 14" column.
- 1 UNIVERSAL, Radial.
- 1 DELTA, Bench.

### SHAPERS

- 1 OKUMA, heavy duty, 24" stroke.

### KEY SEATER

- 1 MITTS MERRILL, 30" stroke.

### ACCESSORIES

- 6 ANGLE PLATES, 20' x 6'.
- 6 ANGLE PLATES, 4' x 2'.
- 2 INFEEEDING ROTARY TABLES, 40,000 LB capacity.

- 
- 1 MARION 37-M Truck Crane, 40 ton
  - 1 JLG Manlift, 60'
  - 1 CAT 980 Loader
  - 2 Yard Trucks, 30 ton
  - 1 INTERCON Stiffleg Crane, Electric, 150 ton
  - 1 Locomotive, Diesel Electric
  - 15 Rail Flatcars



# INTERCONTINENTAL ENGINEERING-MANUFACTURING CORPORATION

## MACHINE TOOL AND EQUIPMENT LIST

---

### WELDING EQUIPMENT

- 3 Automatic Submerged Arc Welding Machines – 600 AMP
- 2 Semi-Automatic, Submerged Arc Welding Machine – 800 AMP, 600 AMP
- 26 Wire Feeder
- 7 Cormatic Wire Feeder
- 35 Weld Guns
  - 1 Heliwelder
- 11 Electric Rotating Welder – 300 AMP
- 9 Electric Rotating Welder – 400 AMP
- 6 Electric Rotating Welder – 500 AMP
- 4 Electric Rotating Welder – 600 AMP
- 11 Rectifier Type Welder – 500 AMP
- 5 Rectifier Type Welder – 600 AMP
- 5 Rectifier Type Welder – 650 AMP
- 9 Rectifier Type Welder – 750 AMP
- 3 Pulsed Arc Power Supply

### HEATING APPARATUS

- 1 Electric Resistance Type Stress Relief Unit – 1500 AMP – Neoweld
- 1 Recording Pyrometer – Neoweld
- 1 Electric Stress Relief Programmer – Neoweld
- 1 Stress Relief Oven – 94" dia. X 48" (propane fired)
- 1 Stress Relief Furnace, car bottom. Work piece 44' x 17' x 16' (natural gas). Certified to MIL-STD-278E

### BURNING EQUIPMENT

- 1 Shape Cutting Machine – ESAB SABRE 3000 (6 torch & 1 plasma torch – 40' table length). CNC
- 1 Shape Cutting Machine – AIRCO SERVOGRAPH (6 torch – 12' x 20' cap.)
- 1 Shape Cutting Machine – ARCO #50 TRAVOGRAPH (special applications, beveling & welding)
- 3 AIRCO #10 – Radiograph Motorized Torch Carriage
- 2 BUG-O – Motorized Torch or Weld Gun Carriage
- 2 INTERCON – Motorized Weld Gun Carriage

### WELD POSITIONER

- 1 Tilt & Rotate Positioner – 40,000 lbs.
- 3 Tilt & Rotate Positioner – 16,000 lbs.
- 6 Tilt & Rotate Positioner – 4,000 lbs.
- 2 Power Turning Roll – 150,000 lbs.
- 4 Idler Turning Roll – 25,000 lbs.
- 6 Idler Turning Roll – 7,000 lbs.
- 3 Boom type Welding Manipulator – 25' OAH

### FORMING, PUNCHING, SHEARING & SAWING

- 1 Plate Bending Roll – BERTSCH ½" x 10"
- 1 Hydraulic Press Brake – PACIFIC Model 300-14 (5/16" x 12' cap.)
- 1 Hydraulic Press – CLEARING 600 ton. 120" opening.
- 1 UNIVERSAL Iron Worker
- 2 MARVEL Band Saw, Model 81
- 2 SAWMASTER Band Saw

---

### QUALITY CONTROL

- Layout Table, 14' x 12'
- Portage Layout Machine, all attachments
- Optics – Brunson 771-H Jig Transit
- Olympus Borescope, all attachments
- Metals/Weld Inspection
  - Magnetic Particle Level II
  - Ultrasonic Level II
  - Dye Penetrant Level II
- MIL-I-45208
- MIL-STD-45662

### PAINTING FACILITIES

- Surface Blasting
- Paint Shop, 3000 sq. ft. with rail entry
- Electro Static Equipment

### SHIPPING FACILITIES

- Truck Scale – 200 ton
- Railroad Service, Burlington Northern Santa Fe
- Barge Loading Dock, River Access, 150 ton
- Crane Service, Missouri River Mile 375.6

