

United Brass Works

ISO certified Brass/Bronze Alloy green sand-casting foundry, Machining center, Assembly and Test, Toolroom and Warehousing.

Foundry

MELTING

- Inductotherm Line Melt Channel 5000#
- Inductotherm Coreless Tilt Pour 2000# and 1000# Furnaces
- Hawley Close Capture Air system
- Travel Vent Fume Collectors
- Ladle Pre-Heaters

CORE MAKING

- Harrison Double Head 12 x 16 Shell Core Machines
- Harrison Double Head 16 x 16 Shell Core Machines
- Palmer / Ecolotec Cold box core machine
- Core Dipping (Coating)
- Core Cleaning and/or Punch Trimming

MOLDING & POURING

- Overhead Sand System
- Hunter HMP10F 14 x 19 Automatic with Monorail and Motorized Ladle with Fume Control
- Pouring Air Exhaust Deck
- Stimpson 40-Pallet Pouring & Cooling Hydraulic Car Line with Underground Push-Off Conveyor & Auto Mold Handling

CLEANING ROOM

- Didion Rotary Shake-Out Tunnel
- Vibratory Conveyors
- Multiple-Station Grinding
- Cut-Off Saws
- Belt Grinders
- Disc Grinders
- Goff Shot Blast & Separator

SAND PREPARATION

- Belloi & Romagnoli Sand Mixer
- Green Sand Controls Compactability and Automatic Moisture Control System
- Full Sand Lab

Production Machine List

MULTI-SPINDLE AUTOMATIC SCREW MACHINES

- 1 - Wickman ACW 626 1 3/4" 6 spindle automatic with pickoff and 3 CNC cross slide
- 1 - Wickman 2 1/4" - 6 spindle automatic
- 1 - Wickman ACW 626 1" - 6 spindle CNC controlled automatic with pick-off and (2) 2 axis CNC cross slides
- 1 - Wickman ACW 626 1 3/4" - 6 spindle CNC controlled automatic with pick-off and (3) 2 axis CNC cross slides

CNC DEPARTMENT

- 1 - Emco Maier Hyperturn 45 w/2 turrets with live tools, upper with Y - axis, 2 spindles w/C - axis with FMB Patriot 55 magazine bar feeder (Siemens 840D Solution Line)
- 1 - Takisawa TMM250-MOD 1 with 2 spindles, 2 turrets with live tooling, Y-Axis, gantry loaded with 14 pallets (FANUC 180 IS-TB)
- 1 - Takisawa TMM250-MOD 3 with 2 spindles B-axis live articulating head and Y-axis w/tool changer, lower turret w/live tooling, Gantry loader w/14 pallets (FANUC Series 180 IS-TB)
- 1 - Diamont Swiss Turn 42MM 3 channel (Mitsubishi 730) sliding headstock with live tooling, C and Y axis and FMB Patriot magazine bar loader

- 1 - Emco Maier 465MC plus Turning Center with 2 turrets, live tooling, 2 spindles w/C axis and 1FMB Turbo 10-65 magazine bar feeder (Siemens 840D Power Line)
- 1 - Doosan Puma TT1800SY spindles with C-Aaxis, 2 turrets with live tooling, 1 with Y-axis & FMB 5-65 magazine bar loader (FANUC Series 18 1-TB)
- 1 - Emco Maier Hyperturn 665 turning center, 2 spindles with C-axis and 2 turrets, live tooling, Y-axis and 20 pallet loader with Gantry (Siemens 840D Power Line)
- 1 - LICO 65MM Turning Center w/live tooling, Y-axis, 3 compound CNC cross slides and back working with FMB Turbo 800 magazine bar loader (Siemens 840D)
- 2 - Makino A51 4 axis horizontal machining center with 2 pallets (Professional 3)
- 1 - leadwell vertical machining center with 2 pallets (FANUC O1 - MD)
- 1 - Yang 40x20 vertical machining center with rotary table (FANUC O1 - MD)
- 1 - Doosan Puma MX2100 2 spindles, i turret & B axis milling head with tool changer

CHUCKERS

- 3 - Goss & DeLeeuw 1-2-3 heavy-duty automatic chucks with 7 spindles
- 2 - Kingsbury gate and check valve Trunnion transfer chucker with 10 spindles
- 1 - Gnutti CNC trunnion transfer machine with 6 spindles and cross-facing
- 1 - Gozio CNC trunnion transfer machine with 12 spindles (3 cross-facing) (up to 3" NPT) (FANUC 30 Series)

MISCELLANEOUS EQUIPMENT

- 1 - Cogsdill mirror maker burnishing machine
- 2 - Cleveland tapping machine
- 2 - Warner & Swasey turret lathes
- 1 - Burgmaster turret drill press
- 16 - Single spindle drill presses (various)
- 1 - Powermatic vertical band saw
- 1 - Birmingham KV 50 vertical bans saw
- 1 - Uzay Makina semi-automatic horizontal band saw
- 1 - Impco anaerobic resin vacuum impregnation system
- 1 - DCM IG 080 M rotary table surface grinder

ASSEMBLY / TESTING

- 21 - Assembly stations with air motors, air guns, etc.
- 1 - 5-ton power press
- 1 - Schmidt 4 ton Pneumatic press
- 1 - Matthews pneumatic stamping press
- 1 - Lappmaster model 150 lapping machine
- 3 - Doss 24" Lapping Machines
- 14 - Mass flow air pressure testing units
- 8 - Hydrostatic pressure testing stations
- 1 - Steam pressure testing station
- 1 - Vibraseal pre-applied thread sealer application and cure station