

# Facility List

## Building:

78,600 sq. ft. of Manufacturing, Warehousing and Offices; Custom Designed and Built in 1987.  
44,726 sq. ft. Additional Manufacturing and Warehousing completed September 1, 1992.

## Tool Room Equipment:

### Electrical Discharging Machining (EDM):

- 1 Sinker CNC w/ 16 Station 3R Tool Changer and Fully Programmable
- 1 EA284 w/ 40 Position Tool Changer "C" Axis
- 1 Sinker CNC w/ 24 Station 3R Tool Changer and Fully Programmable
- 1 Sinker CNC w/ 48 Station 3R Tool Changer and Fully Programmable
- 1 Sinker CNC w/ 24 Station 3R Tool Changer and Fully Programmable

### Machining:

- 4 Vert. Machining Center
- 1 Vert. Machining Center w/ Graphite Vacuum and Filtration System
- 5 Milling Machines w/ Digital Readout Bridgeports
- 1 Engraver Deckel GK-21
- 1 Radial Drill Press Wilton 820
- 1 Lathe w. 12" Swing, 30" Center Harrison 316
- 1 Lathe w. 15" Swing, 30" Center Leblond Makino
- 1 Honing Machine Sunnen MBB-1650
- 1 Vertical Band Saw Dake 24"

### Grinding:

- 5 Surface Grinders 6" x 12"
- 3 Surface Grinders Fully Automatic 8" x 18"
- 2 Surface Grinders Fully Automatic 8" x 20"
- 1 Surface Grinders Fully Automatic 16" x 32"
- 1 Cutter Grinder Alexander
- 1 Cutter Grinder Decker SO
- 3 Grind-All Harig #1
- 1 Grind-All Harig #2
- 2 Grind-All w/ 3R Adapter Harig #3
- 1 Auto Spinner w/ 3 Jaw Chuck Do-All
- 3 Magnetic Squaring Blocks 6 x 6
- 2 Magnetic Sine Plates 6 x 6
- 1 Magnetic Sine Plate 6 x 12
- 4 Radius Dressers

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## Inspection Equipment:

- 1 Keyence Instant Measurement System
- 26 Keyence Press Side 100% Vision Part Inspection Work Cells
- 1 Quick Vision Measuring System Mitutoyo
- 1 Optical Comparator Jones & Lamson EPIC114
- 2 Surface Plates Grade A Ottavino 18" x 24"
- 3 Surface Plates Grade A, Crystal Pink Starrett 18" x 24"
- 2 Surface Plates Grade A, Crystal Pink Starrett 36" x 24"
- 2 Surface Plates Grade A, Crystal Pink Starrett 36" x 48"
- 3 Height Master Mitutoyo 13" 4 Gauge Block Set Mitutoyo
- 4 Digital Height Guide 18"
- 3 Digital Height Guide 12"
- 1 Microscope Meji EMZ-2
- 1 Light Booth MacBeth SPL75B
- 1 Konica Minolta Spectrophotometer

## Engineering:

- 6 Station Network with Windows NT, all Pentium Processors

## Software:

- 3 Stations equipped w/ 2017 Solid Works, Split Work, Mold Works 2001 Plus
- 3 Stations equipped w/ Master Cam Level 8, CNC Software Inc.

## Manufacturing:

Total Injection Molding Presses: 117

\*\* All Presses are Microprocessor Controlled, Self Diagnostic, Hydraulic, Hybrid and all Electric Clamp

- 6 ----- 46 ton
- 19 ---- 88 ton
- 5 ----- 123 ton
- 2 ----- 132 ton
- 5 ----- 154 ton
- 41 ----177 ton
- 16 ----197 ton
- 5 ----- 202 ton
- 4 ----- 233 ton
- 3 ----- 237 ton
- 5 ----- 309 ton
- 6 ----- 400 ton

## Auxiliary Equipment:

- 44 Press Mounted Robots
- 73 High-Speed Full-Servo Robots 46 Pneumatic Pickers
- 1 "Baxter" Robot (used for press side part handling)
- 117 Low-Speed Granulators