



FACILITIES LIST

Injection Molding Equipment

- 5 – Arburg – 28 ton; 2 oz. shot
- 3 – Arburg – 40 ton; 2 oz. shot, microprocessor controlled
- 1 – Arburg – 77 ton; 4.6 oz. Shot
- 1 – Arburg – 40 ton; Vertical/Horizontal clamp, 2 oz. shot, microprocessor controlled
- 1 – Kawaguchi – 80 ton microprocessor controlled
- 1 – Engel – 200 ton E-max Electric Machine closed loop controlled
- 1 – Engel – 60 ton closed loop controlled
- 1 – Engel – 145 ton closed loop controlled
- 3 – Engel – 300 ton closed loop controlled with Engel 3 axis robots
- 1 – Arburg 165 ton closed loop control In ISO 8 Clean Room
- 5 – Arburg 220 ton Electric closed loop control
- 2 – Engel 55 ton Electric Closed loop control
- 1 – Engel 180 ton Electric Closed loop control
- 2 – Arburg 110 Ton electric Closed loop control
- 1 – Engel 195 ton Electric Closed loop control

All machines linked to Enterprise IQMS Real Time ERP software

Support Equipment

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| 1 – Priamus Cavity Temp System | 1 – Ushin sprue picker |
| 13 – Novatec VL Material Loaders | 27 Conair sprue pickers |
| 11 – Novatec AL Material Loaders | 2 – Conair mold temp controllers |
| 6 – D.M.E. Hot sprue temperature controllers | 1 – Climate mold chiller |
| 3 – At the Press Nissui material granulators | 1 – AEC mold chiller |
| 2 – Conair mold Temperature controllers | 1 – Whitman conveyor |
| 1 – Thorsen Mccosh Material dryer | 1 – TEC conveyor |
| 3 – Advantage mold temperature controllers | 1 – Branson 900 Series Ultrasonic welder |
| 31 – Novatec desiccant dryers | 10 – Parts counting scales |
| 2 – Regloplast Super hot water heaters | 1 – Pallet Scale |
| | 1 – Drum tumbler |
| | 2 – Overhead Bridge Cranes |
| | 1 – DME 8 zone Hot Manifold controller |

1 – 36 zone QSTAR hot manifold
controller

2 – 36 zone Mold Control Systems hot
manifold controllers

4 – Husky hot manifold controlers

1–Cobalt XL UV Laser Marking System

Toolroom Equipment

EDM Machines

- 1 – Charmilles CUT 350 Wire EDM
- 1 – Charmilles CNC Hole Popper
- 1 – Charmilles Roboform 20A CNC EDM with 4 position tool changer
- 1 – Charmilles Roboform 22 CNC EDM with 4 position tool changer
- 1 – Charmilles P350 Sinker EDM with 4 position tool changer
- 1 – Eltee Pulsatron 30 amp Sinker EDM machine

Milling Equipment

- 1 – Mikron Mold Master 300 high speed Mill
- 1 – Bridgeport Torque Cut 3 Axis Machining Center
- 1 – Bridgeport EZ Track 2 Axis CNC Milling Machine
- 1 – Bridgeport Acu-Rite 2 Axis CNC Milling Machine
- 1 – Bridgeport Explorer #1 – 3 Axis CNC Milling Machine
- 2 – Bridgeport Milling Machines -- Series J with digital readouts

Turning Equipment

- 1 – Clausing Lathe 13” swing; 48” bed
- 1 – Emco Maximat Super 11 Lathe 8” swing; 36” bed

Grinding Equipment

- 1 – Okamoto 450 Automatic wet grinder
- 4 – Okamoto 6 – 12/14 Surface Grinders

Misc. Equipment & Capabilities

- 1 Micro Laser Welder
- Ultrasonic Polishing Capabilities
- Branson Ultrasonic Cleaning Station
- MSC Band Saw
- Johnson Cut-off Saw
- Gorton 375 Cutter Grinder
- Hydraulic Press
- Laser America MOPA Laser engraver

Metrology

- 2 -- Optical Gaging Products OGP Smart scope Flash 200
- 1 -- Mitotoyo Tool Makers' Microscope
- 1 -- Bausch & Lomb Inspection Microscope
- 1 -- Deltronics 14" Comparator with surface illumination
- 1 -- Nikon Tool Maker Microscope with Rose Technologies Software
- 1 -- Vision Engineering "Mantis" Inspection Microscope
- Full Compliment of Pin Gauges
- Assorted Micrometers & Depth Gages calipers and gage blocks

Pad Printing (Imprint Applications)

- 6 -- United Silicone Pad Printing machines (inkwells ranging from 3x5 to 8x10)
- 5 -- Conveyors with drying tunnels
- 4 -- Part conveyors
- 1 -- United Silicone Nylon Photo-etch Plate Maker