

## Facilities List

### Injection Molding Machines / Automation

- (1) 28 ton, 2.4 ounce Arburg, closed loop controls
- (1) 55 ton, 6.4 ounce Arburg, closed loop controls
- (1) 40 ton, 1.2 ounce Engel, closed loop controls / Yushin RA-a-70SL robot
- (1) 40 ton, 0.8 ounce Engel, closed loop controls
- (1) 60 ton, 2.2 ounce Engel, closed loop controls
- (1) 150 ton, 6.5 ounce HPM, closed loop controls
- (1) 150 ton, 8.2 ounce Engel, closed loop controls / Yushin VNXII-250S robot
- (1) 165 ton, 5.0 ounce Engel, closed loop controls / Yushin RCII-150S servo robot
- (1) 200 ton, 15.4 ounce Engel, closed loop controls
- (1) 200 ton, 15.4 ounce Engel, closed loop controls / Yushin RAII-250SLL robot
- (1) 200 ton, 13.7 ounce Engel, closed loop controls / Yushin VNXII 400S robot
- (1) 220 ton, 10.3/5.0 ounce Arburg Electric, closed loop controls / Yushin RCII-150S servo robot
- (1) 300 ton, 33.7 ounce Engel, closed loop controls / Yushin RAI $\alpha$  400
- (1) 300 ton, 25.4 ounce Van Dorn DeMag, closed loop controls / Yushin VN-EA-II 250S robot
- (1) 350 ton, 21.4 ounce Arburg, closed loop controls / Yushin RCII 400SLL robot
- (1) 440 ton, 51.8 ounce Arburg, closed loop controls / Yushin RCII 400SLL robot
- (1) 500 ton, 49.7 ounce Engel DUO closed loop controls
- (1) 720 ton, 86.3 ounce HPM, closed loop controls

All equipment is monitored using Mattec EPM Real Time software system

Wide array of automated material dryers (all presses), gravimetric feeders and blending equipment

Mold temperature controllers (water/oil) for all machines from 50 to 400 degrees Fahrenheit and treated water

Mold evacuation system MV-20,000 available for venting challenged processes

### Tooling Facility

- Series 1 Bridgeport milling machine
- Hipromatic model 1440 lathe with 14.5" swing
- Okamoto model 6x12 surface grinder
- Hermann Schmidt Sine Plate and Harig Grind-All
- Hermann Schmidt Radius Dresser
- Rockwell model 17 drill press
- Our tooling facility is equipped to maintain and repair our customers' molds

### Quality Assurance Laboratory

Registered ISO 9001:2015

Underwriters Laboratories Recognized Component Molder, designation A1437

- Optical Gauging Products SmartScope Flash 200 Video Measuring System
- X-Rite SP64 Spectrophotometer w/ IQCS Color Software
- 14" Scherr Tumico optical comparator with digital readout
- Nikon Measurescope tool maker's microscope with digital readout
- Multiple force gauges for tensile and tension testing (Mettler Toledo, Mark-10, etc.)
- 36" x 48" DoAll black granite surface plate (A grade)
- Various gauge block and gauge pin sets
- David Brown gear checker
- Micrometers, vernier calipers, dial gages, bench center, etc.
- Gardner impact tester
- Tinius Olsen extrusion plastometer
- Sartorius electronic balance, model 1518
- Mitutoyo Digimatic height gauge, Digimatic Holetest, and Digimatic calipers

Mattec ProHelp Prostat software for SPC and SQC

Measuring instruments calibrated and traceable to the National Bureau of Standards