

**CAD/CAM**

(14)	Siemens NX CAD/CAM systems with 3-D solid modeling (14 Seats)
(4)	Dassault Systems SolidWorks Premium (4 seats)
(7)	Oracle AutoVue Pro (7 Seats)
(1)	Autodesk Moldflow Part Advisor (1 seat)
(1)	Objet30 3D Printer

**TOOL ROOM EQUIPMENT**

(1)	Mazak FJV-250 Vertical Machining Center with Mazatrol Fusion 640M; High Speed (30HP) Spindle, Optical Probe
(3)	ProtoTRAK DPMSX3P CNC Vertical Mills
(1)	Mazak Quick Turn 20 CNC Lathe with Mazatrol T-plus
(1)	Graphite / Hard Milling Workcell containing (2) Makino SNC-64 CNC Mills with Erowa ERS Robot System
(1)	Sodick ALN400G, Rigid Linear Motor Driven High-Performance Wire EDM with Smart Pulse
(2)	Charmilles Robofil 4020 SI Submerged Wire EDM with Micro Surf
(2)	EDM Workcells Containing (4) Makino EDNC-43/43S CNC EDM Machines with C-axis and (2) Erowa ERS Robot Systems
(2)	Sodick K1CN CNC Small Hole EDM Drills
(1)	20" x 40" Okamoto Automatic Surface Grinder
(6)	6" x 12" Mitsui Surface Grinders
(1)	6" x 18" Okamoto Surface Grinder
(1)	6" x 18" Harig Surface Grinder
(3)	Bridgeport Vertical Mills
(1)	Deckel G1-L Pantograph
(1)	LaserStar Laser Engraver

**MOLDING EQUIPMENT**

(1)	Press #1: Arburg 28-Ton Horizontal 270S Allrounder with Yushin YA-100S Robot -1998
(1)	Press #2: Sodick Plustech 110-Ton Horizontal LA100 (1.65 oz.) with Yushin YCII-150S Robot - 2013
(1)	Press #3: Sodick Plustech 40-Ton Horizontal Hybrid GL30A (0.47 oz.) with Yushin YC-70S Robot - 2017
(1)	Press #4: Sodick Plustech 40-Ton Horizontal Hybrid LA40 (0.47 oz.) with Yushin YC-70D Robot - 2013
(1)	Press #5: Engel 100-Ton Horizontal Tiebarless ES330-100 EC 100 (3.7 oz.) with Yushin YAI1-150SLL Robot - 1999

(1)	Press #6: Sodick Plustech 110-Ton Horizontal Hybrid GL100 (1.64 oz.) with Yushin YCII-150S Robot - 2016
(1)	Press #7: Engel 200-Ton Horizontal ES 700 (12.7 oz.) with Yushin YAI1-150S Robot – 2001
(1)	Press #8: Engel 300-Ton Horizontal ES 300 (20.0 oz.) with Yushin YCII-400D Robot – 2002
(1)	Press #9: Toshiba 22-Ton Horizontal Electric EC20PV-21 (0.46 oz.) with Yushin YC-70D Robot – 2005
(1)	Press #10: Arburg 28-Ton Horizontal 270 U 250-70 (0.7 oz.) with Yushin RA-a-100S Robot – 2005
(1)	Press #11: Toshiba 22-Ton Horizontal Electric EC20PNIIV30-04 (0.56 oz.) with Yushin RB-70DL Robot – 2006
(1)	Press #12: Sodick Plustech 40-Ton Horizontal Hybrid GL30A (0.47 oz.) - 2018
(1)	Press #13: Toshiba 110-Ton Horizontal Electric EC110SX with 2 barrel packages: 2.5 oz. and 3.3 oz. with Yushin YCII-150S Robot - 2010
(1)	Press #14: Engel 45-Ton Vertical Insert 80V/45 US - 2011
(1)	Press #15: Sodick 40-Ton Horizontal Hybrid LA40 (0.47 oz.) with Yushin YC-70D Robot - 2012
(30)	Mold Temperature Control Units, 2 per machine
(1)	Mokon Oil Heater, Model H34109-00
(4)	Sterling Model M2B2016MO Extra Hi Temp Hot Oil Mold Temperature Controllers
(1)	Single Temperature Controls High Pressure Hot Water Thermolator (max. temp. 437° F)
(1)	Eagle Sprue Picker
(3)	Matsui Plas-aid PMD-3.0 Thermal Conduction Dryer
(1)	Whitlock Dryer, Model WD-10MR (28 Ton)
(1)	Bry-Air Dryer, Model RD-20 (60 Ton)
(2)	UNA-DYN Dryer, Model UDC-30 (100 & 120 Ton)
(1)	Bry-Air Dryer, Model RD-50 (190 Ton)
(2)	Conair Dryers, Model RWH14
(2)	Whitlock ACD 10 Compressed Air Resin Dryers
(1)	Motan MLD 0.75-0 Mini Hopper Dryer (cleanroom)
(1)	Fisher Scientific Vacuum Oven MDL 282 (cleanroom)
(6)	D-M-E Smart Series Temperature Control (1 Zone)
(1)	D-M-E Smart Series Temperature Control (2 Zone)
(1)	Fast Heat Conductor Series Temperature Control (8 Zone)
(1)	DME Smart Series Temperature Control (12 Zone)

(2)	DME Smart Series Temperature Controls (20 Zone)
(1)	Dukane 2220 Sonic Welder
(1)	Dukane Sonic Welder IQ-LE 20K, 2400W
(1)	Avalon Vision Systems "Mold Watcher" Vision System
(2)	AEC Closed System Central Chillers
<b>QUALITY ASSURANCE EQUIPMENT</b>	
(1)	OGP Multi Sensor <i>FLASH 300</i> , 12" x 12" x 12" CNC optical and touch probe inspection system with "MeasureMind" 3D software and QC-CALC SPC software
(1)	OGP Multi Sensor <i>FLASH 400</i> , 18" x 18" x 8" CNC optical and touch probe inspection system with "MeasureMind" 3D software and QC-CALC SPC software
(1)	RAM Optical OMIS II 6" x 12" x 7" CNC optical inspection system with "Galaxy" inspection software and QC-CALC SPC software
(2)	OGP Multi Sensor <i>FLASH 500</i> , 18" x 18" x 8" CNC optical, touch probe and laser inspection system with "MeasureMind" 3D software and QC-CALC SPC software
(1)	Vision Engineering Hawk 2-Axis Measurement System
(1)	Dynisco LMI 4000 series Melt Flow Indexer with MIWORKS software
(1)	OGP EZ-VDM Video Scope
(1)	AZI Computrac Vapor Pro
(5)	Lynx/LynxEVO 3D Stereoscopes