

CAD DEPARTMENT

- 2 - Unigraphics Station
- 2 - Catia V5
- 1 - Work NC
- 2 - Mastercam X4 & X5
- 4 - Cimatron
- 1 - Power Shape
- 3 - Power Mill
- 2 - Full Scale Plotters
- *Autoweb, FTP, High Speed Internet and Modem

RAPID PROTOTYPE DEPARTMENT

- 2 – 3D Systems SLA-5000 Machines
- 2 – 3D Systems Viper Si2 SLA Machines
- 2 – 3D Systems SLS HiQ+HS High Speed 100 Watt Sinterstations
- 1 – 3D Systems SLS Break Out Stations
- 1 – EXFO Lite Ultra Violet Bonding Station
- 1 – 3D Systems Large Platform Parts Curing Apparatus
- 1 – 3D Systems Medium Platform Parts Curing Apparatus

URETHANE DEPARTMENT

- 1 - Vacuum/Pressure Processing Tank
- 4 - Meter Mix Dispensers
- 3 - Pressure Pot Casting Tanks
- 2 - Silicone Dispensing Machines
- 1 - Post Curing Oven
- 1 - Vacuum Casting Machine Model MKV2
equipped with differential pressure
- 2 - Ovens as support for vacuum casting chamber

SHEET METAL DEPARTMENT

- 1 - 1000 Ton hydraulic press with a 60" X 120" bed
- 1 - 250 Ton hydraulic press with a 36" X 60" bed
- 1 - 250 Ton hydraulic press with a 48" X 48" bed
- 1 - 100 Ton hydraulic press with a 36" X 48" bed
- 1 - 50 Ton hydraulic press with a 90" X 60" bed
- 1 - 45 Ton mechanical press with a 19" X 28" bed
- 2 - 60 Ton CNC Press Brake
- 1 - Mitsubishi Flat Laser
- 1 – Mitsubishi 5 Axis Laser 7 x 10 Table 2000w
- 1 – Mitsubishi 5 Axis Laser 7 x 10 Table 3000w
- 1 - 10' Shear
- 1 - Niagra Mechanical Stamping Press
- 1 - CNC Tubing Bender
- 1 - Accuform draw simulation software



EQUIPMENT LIST

MOLD SHOP

- 1 - CNC Lathe
- 3 - Manual Lathes
- 4 - Six Foot Radial Arm Drills
- 3 - 250 Ton Spotting Presses
- 1 - CNC EDM 36"X120" – 100 AMPS
- 1 - CNC EDM 66"X150"
- 1 - Horizontal Carbon Drilling Machine
- 5 - Belmont EDM Machines
- 7 - Surface Grinders
- 2 - Bench Grinders
- 1 - CNC Boring Mill 120" x 80"
- 1 - Manual Boring Mill 120" x 80"
- 2 - Tig Welders
- 3 - Mig Welders
- 2 - Horizontal Band Saw
- 9 - Vertical Band Saws
- 9 - Bridgeport's with Digital Readouts
- 1 - 10 ton crane with trolleys
- 1 - 5 ton A-Frame
- 3 - Deckel Grinders
- 2 - Leblond Lathes W/ 6Ft Beds
- 1 - Heller RB50 Radial Arm Drill
- 1 - Clausing 20 Drill Press
- 1 - 24" Disc Grinder
- 1 - Beldor Belt Sander
- 1 - Tin smith 4Ft Hand Brake

- 1 - Ercolina CNC Tube Bender
- 1 - Krras 10Ft Shear

CNC MACHINING DEPARTMENT

- 1 - Mikron HSM 300 12x16 Graphite
- 1 - Taurus KVM2100 28/15
- 1 - Fadal 30/20 high Speed
- 1 - Sharnoa HPM-20 36/20
- 2 - Fadal 40/20
- 3 - Fadal 45/25 High Speed
- 2 - Fadal 60/30
- 1 - Fadal 65/35
- 1 - Fadal 30/30
- 1 - Sharnoa SVC-80 72/42
- 1 - Fadal 80/30
- 1 - Taurus 60384 84/72
- 1 - Johnford 2100 dims 44X86X36
- 1 - Johnford 2600 dims 59X106X42
- 1 - Tarus HS-8412/40 120/72 High
w/ multi axis head
- 1 - Tooling holder shrink system

INSPECTION

- 1 - Taurus 96" x 60" x 60" CMM Machines with Spud/DMIS
- 1 - Taurus 120"x 66" x 60" CMM Machine with Virtual DMIS
- 2 - 4 x 8 Granite Surface Plates
- 1 - 3 x 6 Granite Surface Plate
- 1 - 18" Height Gauge
- Fully equipped inspection lab
- BCS Weld Analysis Measurement System Microscope

INJECTION MOLDING MACHINES

- 1 - 1500 Ton Cincinnati
- 1 - 1000 Ton HPM
- 1 - 720 Ton Toshiba
- 1 - 700 Ton Van Dorn
- 1 - 500 Ton Farrell
- 1 - 350 Ton Van Dorn
- 1 - 300 Ton Van Dorn
- 1 - 200 Ton Van Dorn
- 1 - 150 Ton Van Dorn

EXTRUSION BLOW MOLDERS

- 1 - 2 LB Extrusion Blow Molder
- 1 - 8 LB Extrusion Blow Molder
- 1 - 15 LB Extrusion Blow Molder
- 1 - 5 LB Dual Head Extrusion Blow Molder

ADDITIONAL MOLDING EQUIPMENT

- 1 - 500 Ton Cincinnati RIM Press
- 1 - 250 Ton Erie Hydraulic Stamping Press
- 1 - 1000 Ton HPM Hydraulic Stamping Press
- 1 - Lost Core Molding Machine
- 2 - Thermoforming (Vac Forming) Machines
- 1 - Walk-In Oven 10' x 10'

PRESS ROOM

- 1 - Clearing Triple Action Hydraulic Press 1200 Ton
- 1 - Version Triple Action Hydraulic Press 1000 Ton
- 1 - HPM Double Action Hydraulic Press 1000 Ton Upper Ram 350 Ton Cushion
- 1 - HPM Double Action Hydraulic Press 800 Ton Upper Ram 120 Ton Cushion
- 1 - Lake Erie Double Action Hydraulic Press 500 Ton Upper Ram 150 Ton Cushion
- 1 - HPM Double Action Hydraulic Press 400 Ton Upper Ram 150 Ton Cushion
- 1 - Hannifin Hydraulic C-Frame Press 15 Ton
- 1 - American Hydraulic C-Frame Press 15 Ton
- 1 - Jet Hydraulic H Press 15 Ton
- 1 - Niagara Mechanical Press 40 Ton
- 2 - 60 Ton Accurpress Brakes

WELDING

Taylor Winfield Pedestal Spot Welder

Duppigheim hanging Spot Welder Entron Control

Miller Syncrowave 250 Tig Welder --Steel and Aluminum

Thermal Arc 251 Mig Welder

Fanuc Robotic Welder on a turntable with a fed by a Lincon

Powerwave