



Complete Prototype Services, Inc

44783 Morley Drive
Clinton Twp, MI 48036
P. (586) 469-9155
F. (586) 469-9156
completeprototype.com

EQUIPMENT LIST

CNC MACHINING

#	MACHINE & MODEL	DESCRIPTION
2	Awea 120/59	CNC Mill
1	Awea 59/50	CNC Mill
3	Fadal 40/20	CNC Mill
3	Fadal 45/25 High Speed	CNC Mill
2	Fadal 60/30	CNC Mill
1	Fadal 65/35	CNC Mill
1	Fadal 80/30	CNC Mill
1	Jobbs 177/60	5 Axis CNC Mill
1	Johnford 2101.9545454545	CNC Mill
1	Johnford 2601.79661016949	CNC Mill
2	Makino S56 34/19	CNC Mill
3	Mikron HSM 300 12x16 Graphite	CNC Mill
1	Promac 85/130	5 Axis CNC Mill
1	Sharno HPM-20 36/20	CNC Mill
1	Sharno SVC-80 72/42	CNC Mill
1	Yama Seike 1252.125	CNC Mill
2	Yama Seike AV610 20/27	CNC Mill
1	Yama Seike BM1460 59/25	CNC Mill
1	Yama Seike BM1460 51/24	CNC Mill
1	Yama Seike VMB 850 20/20	CNC Mill
2	Yama Seike VMB 850 24/20	CNC Mill
1	Yama Seike VMB 1200 51/24	CNC Mill
1	Yama Seike VMB 1250 51/24	CNC Mill
1	Yama Seike VMB 1460 51/24	CNC Mill

METAL STAMPING

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

FIXTURE DIVISION

#	MACHINE & MODEL	DESCRIPTION
1	DEA Delta	32-18-13 Coordinate Measuring Machine
1	DEA Beta	32-20-12 Coordinate Measuring Machine
1	Mitutoyo CHN1208	Horizontal Arm Coordinate Measuring Machine
4	ACER E-Mill	Vertical Mill with read-out
2	KBC TUM 3VS	Vertical Mill with read-out
4	Bridgeport Model 1	Vertical Mill with read-out
1	ProtoTrac Edge Mill	Programmable Vertical Mill
1	Mitsubishi FX20K	Wire EDM
1	Tune Fan RD900	Radial Arm Drill
1	PRM Saw	Vertical Band Saw
2	Delta Saw	Vertical Band Saw
1	State Sander	18" Pedestal Sander
1	Brown & Sharp No.1 Grinder	Cylindrical Grinder
1	CIM-618	Surface Grinder
1	Acer Supra 618II	Surface Grinder
1	JIMT Lathe	Manual Lathe
1	KBC Grip-1440G	Manual Lathe
1	Trinco 36BP	Sand Blaster
1		

INJECTION MOLDING

#	MACHINE & MODEL	DESCRIPTION
1	Cincinnati 3000 Ton	Press
1	Cincinnati 1500 Ton	Press
1	HPM 1000 Ton	Press
1	Cincinnati 700 Ton	Press
1	Cincinnati Wide Platten 700 Ton	Press
1	HPM 400 Ton	Press
1	Van Dorn 300 Ton	Press
1	Van Dorn 300 Ton	Press
1	Van Dorn 200 Ton	Press

RAPID PROTOTYPE

#	MACHINE & MODEL	DESCRIPTION
2	3D Systems SLA-5000	SLA Machine
2	3D Systems Viper Si2	SLA Machine
2	3D Systems SLS HiQ+HS 100 Watt Sinterstations	SLS Machine
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

COLD POUR URETHANES

#	MACHINE & MODEL	DESCRIPTION
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
2		Ovens as support for vacuum casting chamber

MOLD SHOP SUPPORT EQUIPMENT

* All facilities equipped with Cranes

#	MACHINE & MODEL	DESCRIPTION
1	CNC Lathe	
3	Manual Lathes	
4	Six Foot Radial Arm Drills	
2	250 Ton	Spotting Presses
1		Horizontal Carbon Drilling Machine
5	Belmont	EDM Machines
7		Surface Grinders
6		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
15		Bridgeport's with Digital Readouts
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	Vertical Band Saws
1	Krras	10Ft Shear

ADDITIONAL MOLDING

#	MACHINE & MODEL	DESCRIPTION
1	Cincinnati 500 Ton	RIM Press
1	Erie 250 Ton	Hydraulic Stamping Press
1	HPM 1000 Ton	Hydraulic Stamping Press
2		Thermoforming (Vac Forming) Machines
1		Walk-In Oven 10' x 10'

WELDING

#	MACHINE & MODEL	DESCRIPTION
1	Taylor Winfield	Pedestal Spot Welder
1	Duppigheim	Hanging Spot Welder Entron Control
1	Miller Syncrowave 250	Tig Welder --Steel and Aluminum
1	Thermal Arc 251	Mig Welder
1	Fanuc	Robotic Welder on a turntable with a fed by a Lincoln Powerwave

INSPECTION

#	MACHINE & MODEL	DESCRIPTION
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		1 - 18" Height Gauge
1		BCS Weld Analysis Measurement System Microscope

EXTRUSION BLOW MOLDERS

#	MACHINE & MODEL	DESCRIPTION
1	Sterling	2 LB Extrusion Blow Molder
1	Sterling	8 LB Extrusion Blow Molder
1	Sterling	5 LB Extrusion Blow Molder

