

FACILITIES LISTING			
SOFTWARE			
	Global Shop Solutions (Shop Management) Solidworks CAD		
	Autodesk Inventor CAD		
	Feature CAM with Solid Model Capacity Striker Systems SS Punch		
	PCDMIS CAD++ with Offline Programming Capabilities		
	MasterCam		
CNC MACHINING CENTERS			
3	Enshu GE480H Horizontal Machining Center w/Pallet Changer		
1	Devlieg 4W72 CNC Jig Mill w/Dynapath Delta 20 4 Axis Control		
2	Doosan DMN 750 II Vertical Machining Center		
1	Doosan MV4020L Vertical Machining Center		
1	Doosan NHM6300 Horizontal Machining Center w/Pallet Changer		
1	Fastems Flexible Manufacturing System (FMS) – (3) Okuma MB4000's each with 146 Tool Matrix's, and 32 Pallets & Tombstone combinations.		
4	Haas Minimill, 10 Station w/Tool Changer		
3	Haas TR210 Dual Axis Trunnion Rotary Table		
3	Haas VF-1 Machining Center w/Tool Changer		
2	Haas VF-2 Machining Center w/Tool Changer		
4	Haas VF-3 Machining Center w/Tool Changer		
5	Haas VF-4 Machining Center w/Tool Changer		
1	Haas VF-5 Machining Center w/Tool Changer		
1	Haas VF-6 Machining Center w/Tool Changer		
3	Haas VF-9 Machining Center		
2	Hass VF-4 Machining Center w/Pallet Changer		
1	Kiwa Horizontal Mill KNH-426X - 4 Axis		
2	Mazak FH4000 Horizontal Machining Center w/Pallet Changer		
1	Mazak FH680 Horizontal Machining Center w/Pallet Changer		
1	Mazak H500 Horizontal Machining Center w/Pallet Changer		
1	Mazak Ultra 650 Horizontal Machining Center w/Pallet Changer		
1	Mazak V515/40 Vertical Machining Center		
1	Mazak V655/60 Vertical Machining Center		
1	Mazak V655/60 Vertical Machining Center		
3	Mitsui Seiki HU40A Horizontal Machining Center		
1	OKK HM 500S Horizontal Machining Center w/8 Pallet Changer		
1	Okuma GENOS M660-V 12K / CAT50		
1	Okuma Horizontal Mill MA-600 HB - 4 Axis		
1	Okuma Vertical Mill MB-S6VA - 5 Axis		
8	Programmable Rotary Tables		
MILLING			
1	Fryer MC-60 High Performance VMC		
1	Bridgeport Right Angle Milling Head		
2	Clausing/Kondia FV-1 Vertical Mill w/Prototrak System		
1	First Vertical Knee Mill w/Prototrak SMX Control		
4	Fryer MC-40 High Performance VMC		
1	Milltronics RH 20 w/Centurion 6 Controls		
2	Milltronics RH 30 w/Centurion 7 Controls		
4	S.W.I. TRAK DPM w/AGE 3 Controls		
5	S.W.I. TRAK Lean Production Machining Center w/PMX Controls		
1	TRAK DPM3 Mill		
3	Trax K3 Mill		
CNC TURNING CENTERS			
1	DAEWOO Puma 300B w/Fanuc 211TA Controls		
1	DAEWOO Lynx 200A w/Fanuc 181TA Control		
1	DAEWOO Puma 300LC w/Fanuc Control		
1	Doosan 2500LSY with Take-Off Spindle/Live Tooling		
2	Doosan 2600SY with Take-Off Spindle/Live Tooling		
1	Doosan 300L with Fanuc Control		
4	Doosan Puma GT2600		
2	Doosan Puma GT3100		
1	Doosan V850 Vertical Lathe-31 12" Swing		
1	ECOCA SJ-20 Lathe		
1	ECOCA SJ-25 HT Lathe		
1	ECOCA SJ-35 HT Lathe		
1	Hardinge Lathe		
2	Mazak M4 Turning Center 20" Swing x 50" Center		
1	Mazak QT10 Turning Center 12" Swing x 20" Center		
1	Mazak QT15N Turning Center 12" Swing x 20" Center w/LNS Hydro-Bar Feed		
1	Mazak QT20N Turning Center 20" Swing x 40" Center		
1	Mazak QT28N Turning Center 22" Swing x 40" Center		
1	Mazak SQT18MY Turning Center 10" Chuck Live Tooling		
1	MORI SEIKI NL1500SY/500 Live Tool 8000 RPM Spindle		
2	Mori-Seiki SL-25MC Turning Center 20" Swing x 24" Center Live Tooling		
1	Mori-Seiki TL-5-1000 Turning Center 24" Swing x 40" Center		
1	Mori-Seiki TLSA/2000 Turning Center 24" Swing x 80" Center		
1	Okuma 7 Axis Mill/Turn Multus B200-W		
1	Okuma 7 Axis Mill/Turn Multus B300-W		
1	Okuma Captain Lathe		
1	S.W.I TRL 1845RX w/RLX Controls		
1	S.W.I TRL 3012RX w/RLX Controls		
7	S.W.I. TRL 1840sx Lathe with Prototrak Controls		
2	S.W.I. TRL 2460SX with Prototrak SLX Controls		
1	Supermax Lathe		
1	Tsugami M06SY Turning Center		
1	Tsugami M08SY Turning Center		
TURNING			
1	Mazak Gap Bed Lathe 30" x 80"		
1	Sharp Toolroom Lathe		
1	Victor Lathe - 1630		
1	Select Lathe 1860G		
1	Select Lathe 3060G		
1	Trak Lathe		
1	TRAK Lathe		
LASER			
1	Trumpf TruLaser 3030 5000W 60x120 3 Axis w/Pallet Changer		
CNC TURRET PUNCH			
1	Amada Vipros 357 Queen (w/Conveyor)		
GRINDING			
1	CHEVALIER FSG 1640AD Auto Cycle 3-Axis Surface Grinder		
1	Kent Surface Grinder KSD-250A11D 10" x 20" Electro Magnetic Chuck		
1	Acer Surface Grinder 10" x 20" 3-Axis Hydraulic w/Coolant		
1	AMW Surface Grinder GS-1020BH 10" x 20" Electro Magnetic Chuck		
1	Black & Webster Model O drill Grinder, 1/4"-2 1/2" Range		
1	Black Diamond BW90 Drill Grinder 1/16"-3/4" Range		
1	Blanchard Grinder		
1	Chevalier CNC FSG,2048ADIV 20" x 48" Electro Magnetic Chuck		
1	Chevalier FSG,1228AD 12" x 28" Electro Magnetic Chuck		
1	Chevalier FSG,3A1224 12" x 24" Electro Magnetic Chuck		
1	Darex XT-3000 Drill Grinder		
1	ESG 618 w/Sony Mag DR Grinders		
8	MSC. Pedestal/Bench Grinders		
	Complete line of Tool Sharpening Equipment		
FABRICATION			
1	Trumpf Tru Bend 3066 Press Brake 72 Ton x 7'		
1	75 Ton H-Frame Hydraulic Press		
1	Amada 4' X 4' Flat Part Scanner		
2	Amada HDS 8025 NT Press Brake 88 Ton x 8'		
1	Clausing 2275 Drill Press		
4	Dake Arbor Press		
1	Dayton 3Z949D 3 Ton Arbor Press		
3	Delta 17-900 Drill Press		
1	Diacro #24 Finger Brake		
1	Diacro No. 2 Punch		
1	Enco Drill Press		
2	Jet Model JDP-17MF Drill Press		
1	Lassy Manual Tapping Machine		
1	MSC 952675 Pinch Role 24" x 20"		
1	National NH4825 Hydraulic Shear, 20 ga.		
1	OTC 55 Ton H-Frame Hydraulic Press		
1	Powermatic Model 1200 Drill Press		
1	Rockwell 15081 Drill Press		
1	SIM ASV Type AF2204E Corner Notcher		
1	Square Tap 62 Hand Tapping Machine w/Articulating Arm		
1	Thermal Dynamics 480 Volt 50XL Plasma Cutter		
1	Trumpf Tru Bend 3120 Press Brake 132 Ton x 10'		
1	Walker Turner 1616-2 Table Drill Press		
1	WDM Power Roller Model B-4-48"		
1	Weidemann Model R2 Manual Turret Punch		
1	Westward 4TM73 Drill Press		
1	Wilton 2800 16", 6 Speed Drill Press		
1	Wilton 2800 Drill Press		
WELDING			
1	Lincoln Electric System 55 Mig Welding Robotic Workcell		
1	Bug-O Linear Track Welding System		
1	Hobart Handler 125 Mig Welder		
1	Laramie 250W-750W Plastics Welder		
1	Lincoln Electric 140C Mig Welder		
4	Lincoln Electric C300 Mig Welder		
2	Lincoln Electric Power Mig 350MP Welder		
5	Lincoln Electric Precision Tig 375 Welder		
1	Lincoln Electric Square Wave Tig 255 Welder		
1	Lincoln Electric Square Wave Tig 275 Welder		
1	Lors Techna 50KVA Spot Welder		
1	Midwest Capacitor Discharge Stud Gun with 5/16" Capacity		
1	Miller Arc Welder		
1	Miller Dynasty 200 Tig Welder		
1	Miller Dynasty 300DX Tig Welder		
1	Miller Dynatic 251 Mig Welder		
1	Miller Maxstar 151 Welder		
1	Miller Millermatic 250 Arc Welder		
1	Miller SSW22APT Spot Welder		
1	Miller Syncrowave 250 Welder		
1	Piranha III Tungsten Electrode Grinder		
1	PM1000 Stud Welder		
1	Pow Con 400SMT Welder		
1	Pow Con RC250P Wire Welding Unit		
1	Ultima Tig Tungsten Grinder		
EDM			
1	Wire Cut EDM / Mitsubishi MV2400-R Machining Range 400mm x 600mm x 309mm.		
1	Wire Cut EDM / Mitsubishi MV2400-ST Machining Range 400mm x 600mm x 425mm.		
1	Wire Cut EDM / Mitsubishi FA-10 Machining Range 350mm x 250mm x 220mm		
1	Plunge Cut CNC EDM / Mitsubishi EA8 with Tool Changer		
1	Electro Arc LB-8 Tap Disintegrate		
FINISH			
1	10' x 10' x 15' Powder Coat Oven		
1	Rosemont Industries Burr Eliminator 16" x 20" Vibratory Chamber		
1	12'x 20' Glass Bead Enclosure		
1	Baldor 3597, High Speed Polisher		
1	Blast-It-All Magnum Blast Cabinet		
2	Delta-Rockwell 1" Belt Sander		
1	Jackson Parts Washer 20" x 20"		
1	Oakley Horizontal Stroke Sander 48" x 105"		
1	Progress Machine Stroke Sander 48" x 72"		
2	Proultrasonics Ultrasonic Parts Washer		
1	Raytech Circular Vibratory Chamber		
1	Timesaver Model 3131-13-044 Wet Process Finishing Machine		
1	Timesaver Wet 37" Wide Finishing Machine		
1	Trinco 36DP2 Dry Blast Cabinet		
1	Trinco 48" x 24" Model 335B, Dual Wheel Bench Polisher		
1	Wagner Industrial Powder Coat Equipment		
1	Wheelabrator Hutson Burr Bench 15" x 45" Vibratory Chamber		
1	Wilton 16", 6 Speed, Floor Model Drill Press, Polisher		
1	Wilton 2" Belt Sander		
1	Wilton Tube Polisher		
3D Printing			
1	Fusion3 F410 3D Printer (355mm x 355mm x 315mm)		
SCREEN PRINTING			
1	Atlas Quartz Halogen Screen Developer		
2	Antec Single Head Screen Printing Table		
1	Hix Model 3510 Infra-Air Dryer		
HEAT TREAT			
1	12X12X20 TM Vacuum Furnace		
1	16X12X30 Huppert Model 5760-PC Furnace		
1	12X12X36 Keith Dual Chamber Furnace		
SAWING			
2	HYD-Mech Model H-14A Horizontal Auto Band Saw		
1	Kalamazoo H9AWV Horizontal Cut-Off Saw		
1	Dake SE912 Horizontal Cut-Off Saw		
1	Grobe 4V-24, Vertical Cut-Off Saw w/Butt Welder		
2	Dake V-16 Vertical Cut-Off Saw		
1	Marathon Manual Cold Saw		
1	Mikita 2414 Abrasive Cut-Off Saw		
1	HYD-Mech 520A Horizontal Auto Band Saw		
1	Kalamazoo Horizontal Saw H9AW		
1	HYD - MECH Horizontal Saw S - 20A		
1	Kalamazoo Vertical Saw Startrite 20RF		
MISCELLANEOUS & ADDITIONAL CAPABILITIES			
4	Philadelphia Tramrail, 10 Ton Crane		
1	4,000 Square Foot Assembly Area		
1	50-Watt CO2 Laser		
1	Amada TOGU Automatic Tool Sharpener		
1	ARO Model 8S18 900RPM Handheld Rivnut Inserter		
1	Budget 4 Ton Electric Hoist		
1	Electric Weld Cleaner		
8	Flexarm Helicoil Insertion Tool		
1	Gorbel Tramrail, 1 Ton Crane		
2	Haeger 6 Ton Hydraulic Pemsrter (Auto Feed Available)		
2	Haeger 618 Hydraulic Pemsrter		
1	Hansford-Davis 15M Automatic Key-Seater		
1	Laser Marking Technologies Cobalt XL		
1	Pem 6 Ton Air Pemsrter		
2	Pem Handheld Insertion Tools		
1	Pemsrter Series 4 Pem Insertion Machine		
2	Richter Dot Peen Marker DMP 8/5		
INSPECTION EQUIPMENT			
1	Global Performance 09.20.08 CMM		
1	Global Performance 07.10.07 CMM		
1	Starrett RGDC-4040-24 CMM		
5	Brown & Sharpe 555 Global Performance CMM		
1	Starrett HB400 Optical Comparator w/Quadra Check DRO		
1	Nikon 6CT2 12" Optical Comparator		
1	Jones & Lamson TC14 Optical Comparator		
1	Jones & Lamson PC14A Optical Comparator w/Decimetric 3 DRO		
1	Deltronic Comparator		
2	Brown & Sharp Hite-icator Gauges		
1	Pratt & Whitney Supermicrometer Model		
1	Mitutoyo Surftest 201 Surface Finish Tester		
11	Granite Surface Plates		
2	Rockwell Hardness Tester		
1	Wilson 40UR Hardness Tester		
1	Federal Surface Finish Tester		
5	Tesa Hite Electronic Height Gages		
1	Amada 4' X 4' Flat Part Scanner		
1	Vision Engineering 10X Digital Elite Camera		
1	Compete Line of Misc. Inspection Equipment Traceable to NIST		
1	Richter Dot Peen Marker		
1	Vision Camera System		
1	Scienscope XT-2000		
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