



FACILITIES LIST

46,000 Sq. Ft. dedicated to Precision Sheet Metal Fabrication and Laser Cutting
4,000 Sq. Ft. of Office & Engineering Facilities

ENGINEERING & CNC PROGRAMMING

- CADKEY 3D Solids CAD Software with Unfold
- DR ABE CNC Laser/Punch Programming System
- AP100US CAD/CAM Programming & Nesting
- FabriBEND Press Brake Programming System
- MasterCAM CAD/CAM Mill Programming
 - CAD & Graphics file conversion & transportability
- HP DesignJet 450C Plotter, cut sheet & 24" roll
- 1 Dell Engineering Workstation
- 1 Dell Process Engineering Workstation
- 2 Dell CNC Programming Workstations
- 3 Dell Smart DNC Download Workstations
- 1 Dell Press Brake Programming Workstation
- Network T1 for fast E-Mail and FTP drawing transfers
- Secure file upload/download site

QUALITY ASSURANCE

- AS9003
- Fabrivation Laser Scan Inspection System 46" X 46"
 - Fast color comparison inspection directly to CAD file
 - Reverse Engineering to create CAD file and drawings
- 2 Dell Workstations for Inspection SPC report generation
- Sheffield Cordax Coordinate Measuring Machine
- Granite/Steel Surface Plates to 36" x 48"
- Vernier, Dial & Digital Calipers to 80" capacity
- Micrometers to 6" - Digital Micrometers 0-1"
- Scales to 72", Heights Gages to 24"
- Starret Chamfer Gauge, # 684-3, 90° – 127°

- Coating Thickness Gauge, Positector 6000-FN3
- Surface Roughness Standards, Model 16008
- Gage Blocks & Plug Gages (English & Metric)
- Die Penetrant Inspection capabilities
- Dynamometer, Dillon, 5000lb. Capacity
- Light Table, Portman 100:1, 14" Light Comparator

SHEET METAL DEPARTMENT

- 1 Amada EMLK Turret Punch Press/Laser Combo, 2008
 - 4000 watt, 48" x 144" Sheet Capacity with Brush table
- 1 Amada CNC Press Brake, model HFB1254
 - 137 ton, Bed Length 13'9", 12'4" between frames 3 axis control DNC to Engineering
- 1 Amada APELIO 2510 Turret Punch/Laser Combo
 - 2000 watt, 48" x 144" Sheet Capacity, 2002
- 1 Amada CNC Press Brake model RG5020LD 2004
- 1 Amada APELIO III 357V –Turret Punch /Laser Combo
 - 2000 watt, 58 Station 48" x 72" Sheet Capacity, 2000
- 1 Amada NC Press Brake, RG125 10 FT BED
 - Hydraulic with Amada NC9-EX Controller
- 1 Amada PEGA ACE 357 44 Station Turret Punch Press
 - Fanuc O4PC Controller 48" x 72" Sheet Capacity
- 2 Amada NC Press Brakes, RG100 8 foot Bed
 - Hydraulic with Amada NC9-EX Controller
- Amada Turret Tool Sharpener
- 1 90 Ton Wysong Hydromechanical Press Brake 8 foot
- 1 75 Ton DiAcro Hydromechanical Press Brake 6 foot
- 1 Amada Shear, Model M4065, 14' x ¼" capacity 1 35 Ton DiAcro Hydromechanical Press Brakes 6 foot
- 1 Wysong Shear, 7 Ga. x 54", 12 Ga. x 36" 2 18 Ton DiAcro Hydromechanical Press Brakes 4 foot
- 1 Chicago Press Brake, 11 ton Mechanical
- 1 Sheet Leveler, 24" Amada
- 1 DiAcro Adjustable Die Set, 4 Ft, Brake mounted
- 1 Finger Brake, 16 Ga. Box & Pan
- 1 Geka 65 Ton Hydraulic Ironworker
- Various manual Presses, Notchers and Multifforms

- Kick and Hand Presses (some Deep Throat)
- 1 Roundo Power Angle Rolls 3 X 3 X 5/16
- 1 Notcher, 1/4" steel, DRO Amada
- 1 Powered Initial Pinch Rolls to 48"
- 1 Notcher, 12.5 ton, 30 – 120 degree Adjustable
- 1 Powered Initial Pinch Rolls to 24"
- 5 Air Compressors to 50 HP

WELDING DEPARTMENT

- 5 TIG Welding Stations, with 2 Miller Syncrowave 300, Central Argon Gas Supply System with GP45 Tank
- 1 Plasma Cutter, 5/16", L-Tec
- 1 Oven, Blue M Tempering Oven, 20" X 20" X 10"
- 3 MIG Welding Stations, with Linde 240 Auto Wire feed 1 Fabtech Spot Fume Eliminator
- 1 Arc Welder, 225 ampere, Airco
- 1 Belt Grinder, 3" wide
- Various Platens, Tables, Clamps, Booms, Positioners, Lifts, Swivels, Fixtures and Chillers
- 1 Bench Grinder, 6" dia.
- Various Brazing and Soldering Equipment
- Electrolysis Weld Discoloration Cleaning System
- Walter Surfox 202 Weld Cleaning Machine

SPOT WELDING DEPARTMENT

- 1/8 Aluminum to 1/8 Aluminum
- 1 AMADA TS108I Platen Type Spot Welder 50KVA Setup for welding doors CG Henry. New 2003
- 1 Miller 20KVA portable Spot Welder on Gimbaled Gantry
- 1 Sciaky Spot Welder, 3 phase, 100kva Refurbished with new pneumatics and Intel CS-983-A microprocessor welding controls. Certified to MIL-W-6858-D
- 1 Sciaky Spot Welder, 3 phase, 75kva Refurbished With new pneumatics and Intel CS-983-A microprocessor welding controls. Certified to MIL-W-6858-D
- 1 LORS 65kva single phase Spot Welder, Press type, with Digital microprocessor Controls
- 1 Dynamometer Pull Tester, Dillon, 5000lb. capacity

- 1 Peer 75kva single phase Spot Welder, ENCO Controls.
- 1- Soyer BMS- 6H, 5 Amp Stud Welder
- 1- Soyer BMS-10H, 10 Amp Stud Welder

TOOL & DIE - MACHINING OPERATIONS

- 1 Mighty Comet CNC Vertical Mill with turret & DNC
- 1 Furnace, Heat Treat, 2000°, 4" x 4"
- 1 DNC Download & CNC Programming Workstation
- 1 Chucker Lathe, Hardinge HCT-CF
- 10 Drill Presses various sizes to 30" Knee Press, including 3 spindle Rockwell Multi-Drill Head
- 3 Engine Lathes to 13" Swing
- 1 Double Head Mitre Saw, Elumatic DG-79 14" blades
- 3 Bridgeport Mills Vertical, XY DRO, power feed
- 1 Automatic Tapper, 12" Steco
- 1 Mill, Horizontal, Diamond
- 1 Automatic Cold Saw, 14", Kaltenbach
- 2 Surface Grinders
- 1 Cold Saw, 13", Haberle
- 1 Cup Tool Grinder, Amada
- 1 Abrasive Cutoff Saw, Delta Radical
- 1 Cylindrical Grinder, Grenby
- 1 Band Saw, 24" Vertical, Grob, with blade welder
- 1 Belt Grinder, 6" wide
- 1 Band Saw, 16" Vertical, Walker-Turner
- 2 Bench Grinders, 6" and 8" dia.
- 1 Band Saws, 18" Horizontal, DoAll
- 1 SRD Drill Bit Sharpener
- 1 Countersink/Reamer/Tap Sharpener

ASSEMBLY

- 2 Haeger Hardware Presses, 6 ton, 1 with Auto Feed
- 2 Arbor Presses to 30 ton and 42"
- 2 Autosert AS75A230 7.5 ton hardware insertion press with manual and automatic tooling
- 6 Electro-mechanical assembly tables with electric and pneumatic outlets
- 2 Emhart Popmatic Automatic Pop-Riveters

- Various assembly Tools and Vises
- 1 Polyethene Stick Welder
- 1 Radial Riveter, Bracker

MECHANICAL FINISHING & DEBURRING

- 1 Automatic Wet AEM Belt Grinder to 37"
- 1 10ft3 Rotary Vibrator Finisher w/Auto Unload,
- 2 Automatic AEM Belt Grinders to 37" with Dust Collectors
- 2 Vibratory Tumblers to 14 cu. ft.
- 3 Bench Grinders, 6" dia.
- 1 Zero Bead Blasting Cabinet
- 1 Belt Grinder, 3" wide with Dust Collector
- Hand Grinders & Polishing Equipment

CLEANING & CHEMICAL FINISHING

- Aluminum Cleaning and Chromate Coating Lines
 - 18 tanks up to 72" part capacity
 - Aluminum Etching and Paint Preparation
 - Chromatic Conversion Coating to MIL-C-5541
- Stainless Steel Passivation
- Phosphate Coating
- High Pressure Steam Cleaning
- 2 Drying Ovens
- Copper Bright Dipping
- Temperature controlled Drying Room

POWDER COATING & PAINTING

- SPECIALTY PAINTING
- 1 Red Devil 1 Gallon Paint Shaker
- 2 Powder Systems, Nordson Sure Coat Electrostatic
- 10 Hanging Carts 3' X 7' x 5'
- 2 Paint Booths to 10' x 12'
- 11 Tray Carts to 4' x 6' x 6'
- 10 Paint Tanks to 10 Gal.

- 1 Paint Curing Oven 400° 5' x 10' x 6' with Partlow Automatic Control 2008
- 4 Spray Application Guns

AFFILIATES PROVIDE ELECTROPLATING AND ANODIZING SERVICES

MATERIAL HANDLING & DELIVERY

- 1 Box Truck, International Diesel, 25000 GVW 2005
- 3 Die Carts, Electrical and Mechanical
- 1 Box Truck, Freightliner Diesel, 25000 GVW 1998
 - 22' x 8' high enclosed body
- 5 Pallet Trucks, Hydraulic, 4000 lb
- 5 Hand Trucks
- 1 Van, Ford Econoline 250, 1 ton, 2008
- Various Rolling Tables, 4000lb., 4' x 6'
- 3 Forklifts to 5000 lbs.
 - Licensed Forklift drivers
- 1 Long Arm Forklift Extension
- 3 Hoists to 2000 lbs.

PACKING & MARKING

- 1 Electronic Counting Scale, Stanton 24-00-1803
- Strapping, Skidding, Shrink Wrap, Carton
- 1 Electric Count Scale, Hobart 1500
- Sealing, Packing and Stenciling
- 1 Skin Pack Machine, Ampac Polytite 200S
- Bar Code software and Label making system
- UPS WorldShip Shipping System

WAREHOUSING & STORAGE

- 3000 ft² Sheet Stock Warehouse with Electronic Inventory Control
- 1500 ft² Finished Goods Warehouse with Electronic Inventory Control
- 800 ft of Structural Stock Racks
- 400 ft of Tool & Die Racks

OPERATIONS

- Shoptech E2 Manufacturing Control Software
 - Accounting, Shop Floor and Inventory Control
 - Job Costing, Scheduling, Report Generation
 - Real-time Data Collection Network
 - Bar-coded labor, process and inventory collection
- DELL Poweredge 2900 III SERVER
 - XEON 2 GHZ Dual Processor, 16GB Ram
 - 4) 400GB Hard Drives in RAID 10/1 Array
 - 2) 73GB Hard Drives in RAID 1 Array
 - 2) 1 Terabyte External Backup Hard Drives
- Windows 2008 Server Enterprise x64 SP2
 - 2) Virtual Servers at 4GB Ram 320GB HD
 - Microsoft Windows Server 2003 R2 Enterprise
 - Microsoft SQL Server 2005 Standard SP3
 - Microsoft Terminal Server 2008 16 CALS
- 26 Desktop and portable Computer Workstations
 - Microsoft Office 2007 Professional
- AVAYA IP Office 406 Digital Phone System 54
 - IP Office Voicemail Pro v3.2 Message Center
- Netcarrier Managed Verizon T1 Data/Voice Lines
 - CISCO Managed Port Router & Firewall
 - Red Condor Spam & Virus Firewall
 - iMail Webmail Server on Virtual EMail Server
- CISCO 10/100/1000 Network Switches 24P,16P,16P
- APC UPS-BackUPS on all systems and switches
- 3 Network Multifunction Printer/Copier/Fax/Scanner:
 - Main Office - Canon iR3380 Color
 - Engineering - Canon iR3300
 - Shipping - Sharp AR-M355N
- Personal Laser and Inkjet Printers