

## ISO 9001:2008 Certified

### Sheet Metal Fabrication

Motorum 2048-LT CNC Punch Press, 4 Auto Index Stations and 44 Tool Stations  
Motorum 2548 CNC Punch Press, 4 Auto Index Stations  
F1G-1250 Sheet Loader, 4 ft x 8 ft on the Motorum 2548  
Both Presses are equipped with a single station Vari Toll adding 12 additional tools, with over 1000 pieces of different sized and shaped tooling.  
Mazak Hyper Turbo-X 510 Laser Fabricator 5' x 10' with load and unload system  
Wysong CNC Hydraulic Shear, 12ft in length, 1/4" thickness  
6 ft Niagara Shear  
S23A Hydmech Horizontal Band Saw  
Dake Cutoff Saw  
DoAll Bandsaw 20" Throat  
Saws for various materials and cutting speeds  
6ft CNC Advatage Accurpress Press Brake  
Trumpf C60 CNC Press Brake  
10 ft CNC Advantage Accurpress Press Brake, 130 Tons  
Trumpf and Wilson Precision Ground and Segmented Brake Tooling  
3 ft Hydraulic Press Brake  
90 Degree Corner Notchers  
24" Ramco In-line Sander  
36" Timesaver  
Eagle Bending and Rolling Machine  
Various styles and sizes of Unipunch Tooling  
Cole-Tuve 60"

### Quality Control

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Quality Assurance Manual  
Faro Platinum Inspection Arm with 48" Radius  
Surface Plates  
Miscellaneous JO Blocks, Verniers, and other Inspection Equipment

### MIL I-45208A

### Machining

Milltronics MB18 CNC Bed Mill  
Milltronics VM25 CNC Machining Center  
Milltronics VM24 CNC Machining Center  
Milltronics RW-20 CNC Machining Center  
Bridgeport Milling Machines with Digital Readout  
Standard Milling Machine  
Mazak Nexus 100 CNC Lathe  
South Bend Lathe  
Sheldon Lathe  
Drill Presses  
Multi-head Drill Press with Tapping Head  
Flex Arm Tapping Machines

### Finishing

2 1/2 Cubic Foot Tumblers  
Downdraft Tables for Sanding  
DeVilbiss Spray Booth 8' x 10'  
Closed Door Spray Booth 14' x 20'  
Multiple types of spray equipment  
Pressure Pots and agitating cups  
Various Silk-Screening Equipment

### Welding Department

Miller 351 Synchronwave Tig Welder  
Miller 350 Synchronwave Tig Welder  
Miller 250 Synchronwave Tig Welder  
Miller Mig Welder  
Lincoln Power Mig 350  
OTC Almega EX-V6 Robotic Welder  
Spot Welders  
Lincoln Power Mig 180C  
Bluco Precision Ground Weld Table and Clamps  
Weldsale Platens 5' x 6'

Virtek Laser Scanning Machine

### **Engineering and Design**

Product design services are offered from concept to prototype and on to production. We use SolidWorks, Pro/E, and AutoCad software systems.

CAD/CAM Stations

Striker Systems Turret Punch Press Programming software

MetalSoft Turret Punch Press Programming Software

CAMWorks for Machining Programming

FeatureCam for Machining Programming

Trumpf Tops 600 Folding Software

Radan Nesting and Profiling Software for Laser

### **Assembly and Subassembly**

Autosert Hardware Insertion Machine

Autosert Hardware Insertion Machines with

Automatic Tooling

### **Acrylic Fabrication**

Free Standing Heating Tray

Various Acrylic Fabricating Tools and Fixtures

### **Prototype Department**

Stratasys Vantage SE FDM (Fused Deposition Modeler)

Parts are made in a 16" x 14" x 16" volume, or

larger by fusing parts together. A part produced

on the Vantage SE has advanced properties such as

high geometric accuracy, durability, stability, and

strength, due to the use of real thermoplastic

materials, as well as sophisticated hardware and

software.

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