



- ~ Stamping Dies
- ~ CNC Machining
- ~ Traveling Wire EDM
- ~ Short Run Stamping
- ~ CAD CAM

**COMPLETE
TOOLING
SOLUTIONS**

Our new manufacturing facility is 70,000 square feet, with the capabilities of future expansion to 110,000 square feet, located on eight acres in the Village of Sussex in southeastern Wisconsin.

EQUIPMENT AND MACHINERY

Design and Engineering

- 9 Pentium IV Workstations/Mechanical Desktop 5 Modeling/Design Software
- 1 Pentium IV Workstation/Autodesk Inventory 5.3 Modeling/Design Software
- 1 Pentium IV Workstation/Solidworks 2000 Modeling/Design Software
- 1 Pentium IV Workstation/PowerSHAPE 4.0 Modeling/Design Software
- 3 Pentium IV Workstations/MaxterCAM CNC Programming Software
- 1 Pentium IV Workstation/PowerMILL 3.1 CNC Programming Software
- 1 IBM RISC2000 Workstation/Forma CNC Programming Software (for 5 axis laser)
- 1 Pentium Workstation/Geopak 2000 3.8 Inspection Software
- 1 Pentium III Laptop/Shop Data Systems, Inc. 5.4 Ttorch Cutting Software

CNC Equipment

- 1 HNK Hi-Q15 Vertical Bridge Mill 128" x 94" x 43" Capacity
- 1 SNK RB2N Vertical Bridge Mill 112" x 66" x 36" Capacity
- 1 OKK Model 820 Vertical Mill 72" x 36" x 32" Capacity
- 1 OKK MCH800II Horizontal Machining Center 80" x 40" x 36" Capacity
- 1 Pratt & Whitney Vertical Mill 54" x 28" x 24" Capacity
- 1 Charmilles Robofil 500 Wire EDM Machine with CT Tooling and Chiller

Conventional Milling Equipment

- 1 Sigma T08 4" Horizontal Boring Bar with DRO
- 1 Kearney & Trecker 5H Vertical Mill with DRO
- 1 Kearney & Trecker 4H Vertical Mill
- 1 Shizouka Horizontal/Vertical Mill
- 4 Bridgeport Mill 3 - with DRO
- 1 JAFO #2 Mill, 2 Axis with Millmate System

Grinding Equipment

- 1 Blanchard Rotary Grinder 36"
- 1 ELB Surface Grinder 12" x 24"
- 1 Okamoto Surface Grinder 12" x 24"
- 1 Chevalier Surface Grinder 6" x 12"
- 1 Boyer Shultz Surface Grinder 6" x 12"
- 1 Boyer Shultz #2 Profile Grinder

Drilling Equipment

- 1 Ooya 72" Radial Drill
- 1 Akeda 72" Radial Drill
- 1 Cincinnati 48" Radial Drill
- 4 Drill Press 1" Capacity

Sawing Equipment

- 1 Grob Band Saw 36"
- 1 Grob Band Saw 24"
- 1 Doall Band Saw 16"
- 1 Wells Cutoff Saw 11"
- 1 Marvel Cutoff Saw 10"

Pressroom Equipment

- 1 A P & T 850 Ton Hydraulic Press with 450 Ton Cushion 99" x 63" Bolster
- 1 A P & T 450 Ton Hydraulic Press with 225 Ton Cushion 75" x 51" Bolster
- 1 Bliss 600 Ton SSDC Press with (3) 40 Ton Air Cushions 108" x 60" Bolster
- 1 Hartup 175 Ton Model Trimmer Press
- 1 Niagara 200 Ton SSDC Press
- 1 Bliss 95 Ton OBI Press
- 1 Milwaukee 5' Brake Press
- 1 CWP 30" Servo Roll Feeder
- 1 Rowe 30" 7 Roll Powered Straightener
- 1 CWP 24" Servo Roll Feeder
- 1 10,000# Powered Reel
- 1 4,000# Powered Reel

Fabrication Equipment

- 2 Prima 2500 Watt 5 Axis CNC Laser Cutting Machines
- 1 Airco CNC Flame Cutting Machine with 6 Torches
- 1 Powcon 300A Mig Welder with Wire Feed
- 1 Acro 200A Welder
- 1 General Dynamics ¼" Plasma Cutter
- 1 Banner WT510 Spot Welder – 100 KVA
- 1 Rivet Machine with ¼" Capacity
- 1 Pemsarter Series 4 Model J with Plus Cart and Automatic Feed System for 3/8" Maximum Clinch Fasteners

Material Handling

- 1 Overhead Bridge Crane 20 Ton with 10 Ton Auxiliary Hoist
- 1 Overhead Bridge Crane 15 Ton with 7 ½ Ton Auxiliary Hoist
- 1 Overhead Bridge Crane 10 Ton
- 1 Overhead Bridge Crane 7 ½ Ton
- 1 Caterpillar – 15,000 Pound Lift
- 2 Caterpillar – 10,000 Pound Lift
- 1 Clark – 5,000 Pound Lift

Inspection Equipment

- 1 Mitutoya B715H Coordinate Measuring Machine
Measuring Cube X = 28", Y=60", Z=24"
- 1 Renishaw PH-8 / TP-2 5-way Probe System
- 1 24" Digital Read Out Height Gauge
- 2 40" X 30" Granite Surface Plate
- 1 60" X 48" Granite Surface Plate
- Miscellaneous Micrometers and Veneers to 36"

Miscellaneous Equipment

- 1 Tarnow Lathe TUIJ50M 78" X 22" Swing with Digital Readout
- 1 Grob Vertical Filer
- 1 Cincinnati Lath – 60" X 15" Swing