

# AHB TOOLING & MACHINERY

MACHINERY CAPABILITIES CATALOG

 **Flow**



**ERMAKSAN**  
METAL FABRICATING MACHINERY



**AHB**  
TOOLING & MACHINERY

COMPLETE METALWORKING SOLUTIONS

Phone: (800) 991-4225

[www.AHBinc.com](http://www.AHBinc.com)

[customerservice@AHBinc.com](mailto:customerservice@AHBinc.com)

**HYDMECH**



Many Offerings For Display & Demo  
In Our Roseville Showroom!



**ERMAKSAN**  
METAL FABRICATING MACHINERY

## Heavy Duty Brakes



- 1,100 to 3,300 Tons
- Up to 46' SINGLE BEAM!  
(World's largest single beam brake!)
- 2,200 Ton x 40' Tandem
- 13,200 Ton x 106' (4 x Tandem)

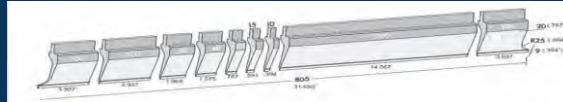
Over 50 Years of World-Class  
Fabricating Machinery

## Power Bend 'Falcon'



- 44 Ton x 50" to 1560 Ton x 20'
- Y1/Y2/X/R/ CNC Crowning
- Precision Roller (Italy) Hardened & Ground Tooling
- Quick Release Ram Clamps (American/Euro)
- Delem DA-58T Touch Screen Control
- Fiessler/Akas Laser Finger Guards
- Generous Open Height with Long Stroke

Premium Roller (Italy) precision hardened & ground segmented tool set with right & left hand horns included with every Ermak press brake!



## Shears



- Swing-beam & Guillotine Styles
- 1/4" to 1-1/2"
- 10' to 20' Lengths
- Powered Blade Clearance- Standard
- Powered Rake Angle- Standard on Guillotine
- Touch Screen Programmable Controls
- Powered Sheet Supports & Conveyors Offered

## Evolution III Hybrid



- Fast-Quiet-Energy Efficient-Accurate
- +/- .0003° Accuracy
- 65% Less Energy
- 95% Less Hydraulic Oil (Less than 5 Gallons!)
- Hydraulics Only Run When You Step on the Pedal



# FEATURES OF THE ERMAKSAN SPEED BEND



## Power Bend Seater



- 66 Ton x 50"
- 4-Axis CNC with Work Table
- Can Sit or Stand
- Adjustable Control Arm
- Delem DA-58T Control
- 17" O.H. & 11" Stroke
- Tooling Included

## Green Press Fx Servo



- Electric Belt Drive
- X/Y/R/Z1/Z2 Axis
- 69% Energy Savings
- Full Length Bending
- 19" O.H. & 12" Stroke
- Even Pressure-- No Need for Crowning



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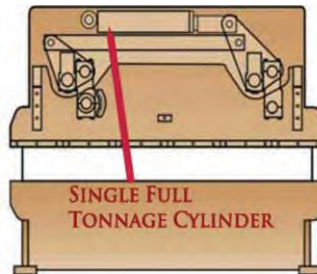


## Press Brakes, Hydraulic Shears, & Hydraulic Presses

- 100% Made in the U.S.A
- Endorsed with 5 Year Parts Warranty
- Advantages from the Single Cylinder Drive System
- Consistent Full Tonnage Across Bed and Ram



**Press Brakes from  
60-1,500 Ton!**



- Single Horizontal Cylinder
- Creates Full Tonnage Across Ram
- Inboard Pivot Points Lessen Need for Crowning Die Holders



**Shears From 10 Ga.  
to 1-1/4" Capacity!**



## Press Brakes, Shears, & Presses

**Also Available:**  
**Ramdozer Presses**  
**Compression Molding Presses**  
**Longbed Application Presses**



**Straight Side Press**  
 • 1,000 to 2,000 Tons



**Press Brakes**  
 • 175 to 6,000 Tons  
 • Lengths from 10' to 45'



**Gap Frame Press**  
 • From 100 to 1,000 Tons



**"Nothing Happens 'Til You Saw It!"**  
-Al Szarek, Founder Westbrook

**Preventative  
Maintenance  
Contracts  
Available**

**Each Saw is  
Loaded with a  
Premium Lenox  
BI-METAL Blade**

**Best Cost  
per Cut  
in the  
Industry!**

### **V25- The King of Vertical Saws!**

- 25'W x 30"H
- 60° Mitring
- 6° Canted Head
- 1-1/2" Blade
- 10 HP
- Direct Drive- No Belts or Pulleys



### **DM Series**

- Waist High Table & Compact Design
- Miters 45° R & 60° L By Swing Head
- Cast Iron Heads & Vises for Rigidity

### **"S" Series**

- Scissor-Type Swing Head Mitre Saws
- S20: 13" x 18" x 1" Blade
- S23: 16" x 20" x 1-1/4" Blade



### **"M" Series**

- Scissor-Type Swing Head Mitre Saw
- M16A: 16" x 25" x 1-1/4" Blade
- M20A: 20" x 30" x 1-1/2" Blade
- All Hydraulic Movements
- Automatic Mitring
- Powered Chip Auger



### **"H" Series**

- From 9" x 9" to 40" x 80"
- Positive Downfeed System
- PLC Controls w/ 99 Job Storage & Job Queue Function
- Hydraulic Chip Auger



### **CNC Carbide Saws**

- 2.3", 3", 4", 5", 6", & 7" Diameters
- Bar Loader Standard
- Chip Remover Standard
- Fast & Accurate

**Many Models In Stock  
In Our Roseville, MI  
Showroom!**

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### Electric Press Brake Robotic Cell

- Cell for Small & Medium Sized Pieces with High Production Capacity
- From 25 Ton x 40" to 66 Ton x 100"
- Unload to Box, Pallet, or Conveyor
- 3 Grippers with 3 Different Sizes
- Can Use Press Brake Without Robot



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METAL FABRICATING MACHINERY

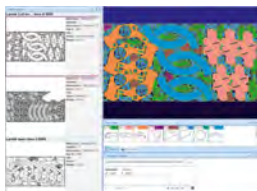
## Fibermak G-Force Fiber Laser



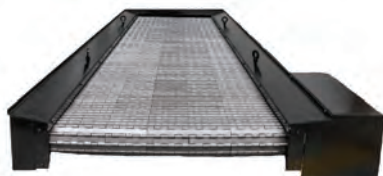
### Models Available:

- Dual Shuttles
- Single Table
- End Load
- Side Load
- Bevel Heads
- Tube/Pipe Attachments

### Standard Features Include:



Lantek Expert CAD/CAM Software



Scrap & Small Parts Conveyor



Precitec Procutter Head



Dust Collector Included



Beckhoff Control with Live Hi-Def TV



### Euromac MTX AutoIndex

- Innovative 6 Station Center Up to 66 Tools
- Multitasking
- Brush Table is Standard
- Auto Index is Standard- Rotate up to 30 Tools!
- Automatic Clamp Positioning
- Threading Available
- PC Based (Hewlett-Packard)
- Tele-Service

**22, 33, or 55 Tons!**  
**40", 50", or 60" throat**  
**Up to 3-1/2" Hole**  
**Diameter in One Hit!**



**Forming & Tapping**



**Extrude**



**Bending & Forming  
with Auto Index**



- Automatic Load/Unload System
- 5' x 10' x 1/4" Max Thickness
- Automatic Sheet Separation
- Compact and Robust Design



**4, 6, & 10- Station  
Multi-Tool**



- Up to 66 Tools! 30 Auto Index!
- Up to 3.5" Diameter
- Up-Forming Available



**Compact Model**

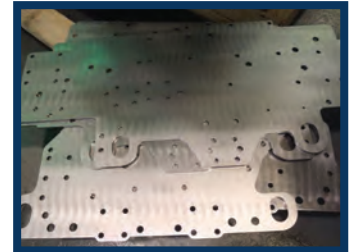
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**Great for Sanding, Deburring, Graining, Edge Rounding, & Oxide Removing!**

- Available in 45" or 53" Widths
- Holds up to 3 Internal Working Units



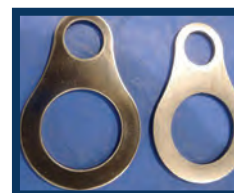
Wire & Flapper Brushes Available



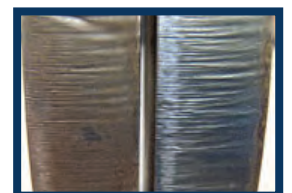
Edge Rounding



Top & Bottom Machines Available



Edges:  
Only If Desired



Oxide Removal



### W Series

This wet process series combines the heavy duty structure of constant pass-line technology with heavy duty cylinders or brush units. These machines can be equipped with 2 through 5 internal working units!



### Triple Punching Head

- Three On-Demand Programmable Punches



### Hydra-Crop

- 60- 245 Tons
- Two-Cylinder Punching and Shearing Machines



### Micro Mini-Crop

- One Cylinder Universal Ironworker with Four Stations



### Bendi-Crop

- Built-in Press Brake Above Notcher

### Semi-Paxy

- Newest CNC Automation & Positioning Technology to Punching of Steel



### Puma

- Hydraulic Deep Throat Punching Machines



### Ironworkers

- 36 to 140 Ton
- Quick Change Dove-Tail Tooling
- Press Brake Tool Available
- 60 SPM on 50 Ton Machine
- Automatic Hold-Downs on Punch, Plate Shear, & Angle Shear



- 24" Plate Shears Available
- One or Two Man Operation
- Built-In Notcher & Press Brake Tooling Available
- Power Cavity with Quick Change Tools



**45 to 150  
Ton Available!**

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### Automatic Non-Ferrous

- Mitering
- Up to 5" Solids
- Micro-Processor Control



### Pivot Style

- 14" Blade
- Up to 4-1/2" Round Tube Capacity
- Miter Cut 45° Left & Right
- Material Stop
- Flood Coolant



### Automatic CNC Column Saw

- For Ferrous Materials

### Vertical Column Saw

- 14-1/2" Blade
- Cuts up to 4-1/2" Solids
- Semi-Automatic



- Scotchman Pivot Saw (Hand & Semi- Auto) (Ferrous & Non- Ferrous)

**Scotchman**  
Metal Fabricating Solutions

## Cold Saws

- Scotchman Saw with Bundle Load Magazine



- SUP- 600 Non-Ferrous Upcut Saw with Programmable Gauging







## Band & Circular Carbide Saws



**HA 250 & 400 Scissor Style**



**HFA 700 & 1000 2-Post**



**Pulse Cutting Saws  
from 13" to 28"**



**Vertical Plate Saws**



**Circular Carbide Saws  
for Bar Stock**



**Automatic  
Chip Compactors**

## Single-Cut Miter Saws for Aluminum

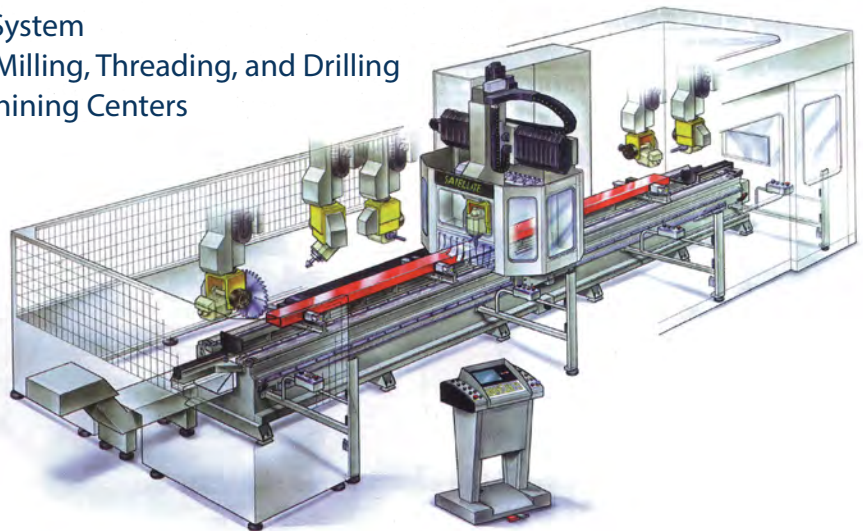


**Model 650 SCA/E**

- Semi & Fully Automatic Saws
- Upcut & Downcut
- Dual Miter
- Automatic Length Gauges

## CNC Aluminum Machining Center

- Fully Integrated System
- Include Cutting, Milling, Threading, and Drilling
- Up to 6 Axis Machining Centers



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# NATIONAL

## Shears, Brakes, & Sheet Metal Rolls

All Machines Made In the USA!



### Shears

- Hydraulic Shears
  - 36" x 12 Ga.
  - 52" x 16 Ga.
  - 52" x 12 Ga.
  - 52" x 10 Ga.
  - 48" x 1/4"
  - 72" x 1/4"
- Air Shears
  - 36" x 12 Ga.
  - 52" x 16 Ga.
  - 52" x 12 Ga.
- Foot Shears
  - 52" x 16 Ga.



### Brakes

- 16 Ga. - 12 Ga.
- 4' to 10'



### Power Forming Rolls

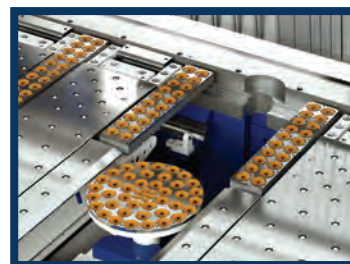
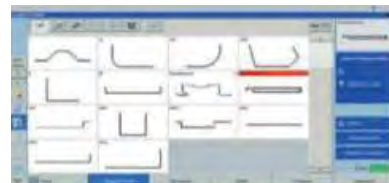
- 4' x 16 Ga.
- 3" Power Rolls with Forward & Reverse
- Quick Release Upper Roll
- Single Crank for Form Roll

## SCHRÖDER GROUP

## Up/Down Folding Machines

### Universal Folding Machines

- Up/Down Folding Eliminates Part Flipping
- Tall Tools & Large Open Heights
- Segmented Upper & Lower Tools
- CNC Crowning
- Automatic Sheet Feeding with Suction Cup Option
- Part Stays Flat on Table



### Suction Cups





## Arc Welding Robot

- High Quality Mag/CO2 Welding
- High Quality Aluminum Mig Welding
- Ultra Precision Tig Welding
- High Quality Plasma Cutting



**Increase Production & Quality!**

## Insertion Presses

**Haeger**  
a PennEngineering® Company

**Great Machines for Inserting Different Fasteners in a Single Part Handling!**

### Hardware Insertion Press

- Programmable Stop or Hard Stop
- Manual Feed & Automatic Bowl Available
- PC-Based Touch Controls
- Part & Tool Library Available



### 824 OneTouch

- Touch-Screen PC interface
- 4-Modular Autofeed System feeding units
- 4-Station Upper & Lower Tool Change System
- Fastener Library
- Automatic Tonnage & Settings for Each Fastener



### Fastener Library



Captive

PEM

Other

Choose Size

440

830

850

1050

14-20

M2

M2

3.0MS

M4

M6

M8

Change Material

Size	Steel Material	Force
CF800332-10	STEEL	2800
CF800332-12	STEEL	2800
CF800332-14	STEEL	2800
CF800332-16	STEEL	2800
CF800332-18	STEEL	2800
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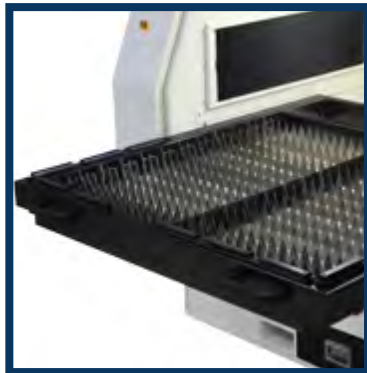
Website: www.AHBinc.com



COMPLETE METALWORKING SOLUTIONS

### FC Series Laser

- 4 x 4 Cutting Area
- High-grade Ball Screws
- Brushless Servo Drives Allow Cutting to .0004"/ft. Accuracy



Roll Out Table



## Positioners

### Rotolift

- 3-Axis
- Welding & Handling Positioner
- Elevate, Tilt, & Rotate
- From 2,750 lbs. to 100 Tons



### Syncrolift

- Head & Tail Stock Welding Positioner
- From 4,400 to 55,000 lb. Capacity
- Up to 73" Vertical Travel
- Pallet Jack on Headstock
- Rotating Ground
- Handheld Pendant

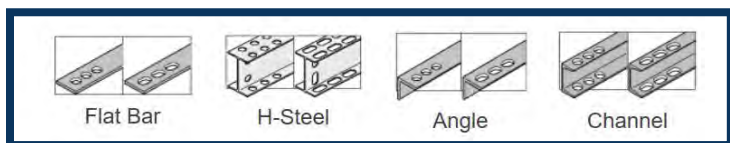




**Developed & Manufactured  
In Flint, Michigan for Over  
60 Years!**

### OGURA Punches

- Self-Contained Hydraulic
- Up to 15/16" Diameter
- Up to 1/2" Thick



## Punches, Drills, & Cutters

### The Original Rota-Broach Drills

- Lightweight
- Easy to Feed
- Drill Up to 2" Diameter  
in One Pass
- 3" Models Available
- Swivel Base Available



## Pipe & Tube Benders

**1, 2, & 3 Axis CNC  
Available!**



### Ercolina 050 Plus

- 2-1/2" Tube, 2" Pipe
- One-Touch Digital Control
- On Wheels & Portable

**Machines Available up  
to 6" in Diameter!**



### Tube & Pipe Kits Available

Kits include:

- Center Formers & Counterbend Dies  
(1/2", 3/4", 1", 1-1/4", 1-1/2", & 2")



**Standard and Custom Ironworker  
Punches & Dies!**



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**Plasmas, Positioning, & Welding Equipment**

## Versagraph Extreme Cutting Machine

- Up to 4 Plasma Stations
- Up to 2 Full Plasma Bevel Stations
- Up to 16 Oxyfuel Stations
- Powerful 6HP A/C Servo Drives
- +/- .005" Positioning Accuracy
- Cut Widths to 24 Feet
- Auto-Cleaning Scrap Tables Available



## Aronson Welding Positioners

- Higher Performance, Precision Gear Cases Minimize Backlash Under Heavy Loads
- 135° Powered Forward Tilt
- NEMA 12 Electricals
- 90,000 PSI Aluminum-Bronze Wormgear Drive
- Transportable Throughout a Facility
- Load Capacities of 16,000 to 70,000 lbs.



## 3D-LT Bevel Head

- 50° Positive & Negative Tilt
- Continuous 360° Rotation
- Compact, Fast, & Accurate
- True Focal Point Technology
- Bevel Types Include X, Y, V, & K Bevels



**Tank Turning Rolls**



## Lasertex Plate Laser, CO2, & Fiber

- Up to 18' Wide x Any Length
- Up to 10 KW ( 1-1/4" Thick)
- Patented "Sigma Box" Design
- Auto Focus, Auto Zoom Lens Standard





**ERMAKSAN**  
METAL FABRICATING MACHINERY

## Fibertube Laser



- Tube & Profile Processing
- Uninterrupted Continuous Cutting with Bundle Loader
- User-Friendly Interface
- Low Maintenance Fiber Technology



## CNC Coil Punching, Bending, & Laser Cutting Lines

**PIVATIC**

- Coil Widths up to 60" Wide
- Can Punch, Laser, Emboss, Stack, Bend, & Form
- Quick Change Cassette Tools



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COMPLETE METALWORKING SOLUTIONS



## Sheet, Plate, & Angle Rolls

Made in the  
U.S.A.!

**Robust Designs Built for  
Simplicity & Ease of Service!**



### B-Model Sheet Metal Roll

- 3- Roll Initial Pinch
- H&P Rolls
- Powerbend Roll Adjustment
- 3rd Roll Drive (Optional)



### Model AR Section Roll

- Angle, Flat Bar, Channel- STD
- Pipe & Tube Optional
- LED Read-Outs

### 3 & 4-Roll 403 Series

- Double Pinch
- Eliminate Flats
- Able to Roll Cones



### Tapered Cone Machine

- Tapered Cones in One Pass
- Interchangeable Rolls
- Small Ends Possible

### Large Plate Machines

- Pictured:
- 3" x 10" 4-Roll  
with 29" Top Roll





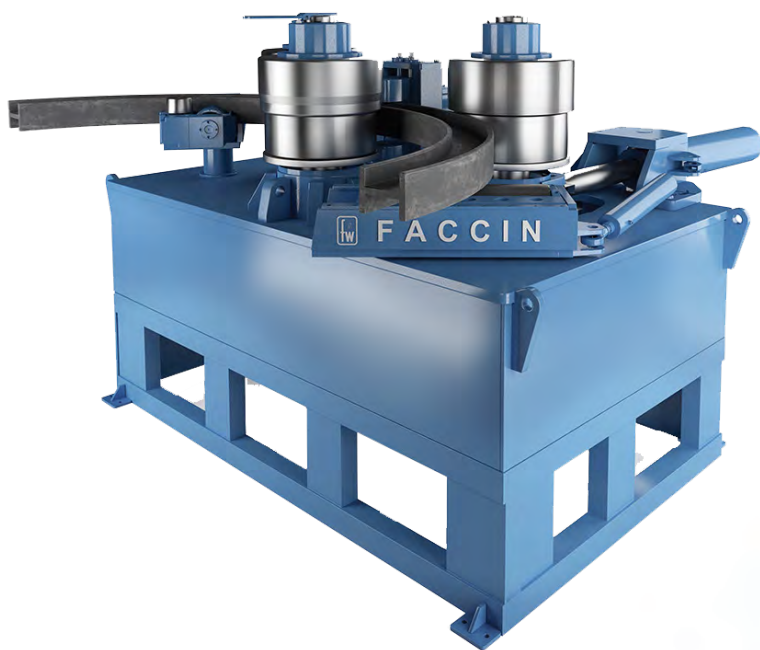
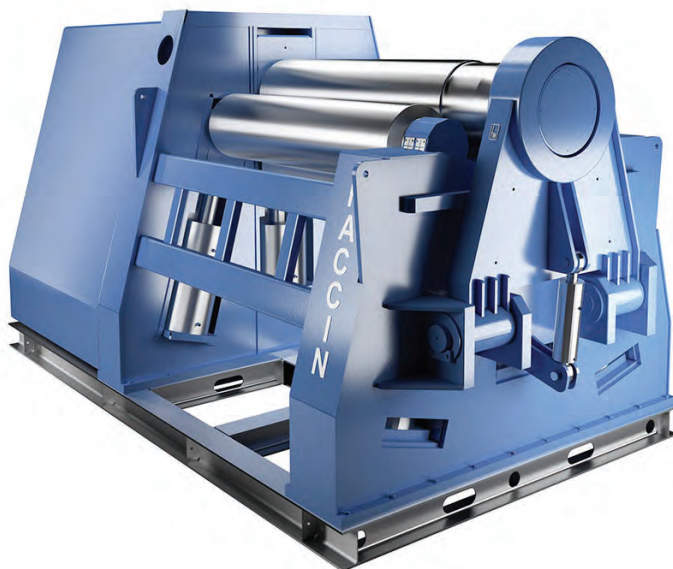


# FACCIN

**Plate & Angle Rolls, Head Lines**

## Hydraulic Plate Rolls

- Single Pinch Capacity up to 10' Long
- Double Pinch 3 Roll 1/4" to 3" x 16' Long
- 4 Roll 10ga to 6" Thick x 40' Long
- Variable Geometry 5/8" to 18" Thick x 40" Long
- Special Machines up to 70' Long



## Angle & Section Bending Rolls

- Manual & NC/CNC Controlled
- Angle Capacity 4" x 4" x 1/2" & Up
- Sections & Beams Up to 12" x 79"

## Dished Head & Flanging Lines

- 1/4" to 2" Thick & 8' to 30' Diameter
- Manual & NC/CNC Controlled



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### Dust Collector

- Steel Constructions for Continuous Operation
- Reverse Pulse Cleaning System
- Cost-Effective Filter System



### Downdraft Tables

- Collects Dust, Smoke, & Fumes Through Perforated Table Top
- Variety of Custom Kits & Fittings
- Arrestance of 92% at 2 Microns



### Fume Extractors

- Removes Weld Fumes, Dusts, & Airborne Contaminants
- Captures Fibers as Small as 0.5 Micron
- Easy-to-Clean Filter
- Cleans With Compressed Air (No Dust Cloud)



## Mist Collection Systems



### MistBuster

- Uses Electrostatic Precipitation & Media Filtration Technologies
- Controllable Airflows from 500 to 1,650 CFM
- Requires Minimal Maintenance



NEXJEN TECHNOLOGIES



## Oil Separators



### Separator

- Transparent & Compact
- Hangs via Magnetic Base
- Includes C-Thru Separator, 115V/60Hz Pump, Float & Magnetic Base



## Coolant & Oil Filtration Solutions

### Evolution Series Filtration System

- Clean/Dirty Self-Cleaning Carbon Steel Tank
- Four Prefilter Bags with Cartridge Drip Tray
- Filter Vessel Containing 3 Micron Rated Filter Cartridges
- 24,000 BTU Cabinet Mount Chiller
- Optional Machine Feed Pump
- Filter Service Beacon



### Coolant DI Water Make-Up System

- Designed to Treat Incoming City Water into DI
- Includes Virgin Mixed Bed Resin Bag
- Connects Easily to Incoming City Water
- DI Conductivity Light Keep You Notified of Water Quality



### Coolant Clarification Systems

- Extend Coolant Life by Preventing Contaminants from Accumulation
- Combines Circulation, Filtration, and Evacuation
- Virtually Maintenance-Free
- Decreased Cost & Cleaner Working Environment



### Precision Machining Filtration

- Remove Solids from Solution to Specified Micron Clarity
- Filter Media Compatible with Oil & Water Soluble Fluids
- Gun Drilling
- Machining Center High Pressure Flush



- Media Free Solids Control
- Micron-Rated Superior Filtration
- Temperature Control
- Central Systems
- Point-of-Use Systems

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## Waterjet Replacement Parts & Pumps



### Waterjet Pump

- Range in HP from 15 to 150
- Advanced Intensifier Technology (AIT)
- Hydraulic Rod Seals/ Plunger Bearings Readily Accessible
- Screw-less, Low Pressure Poppet Design

### Waterjet Cutting Parts

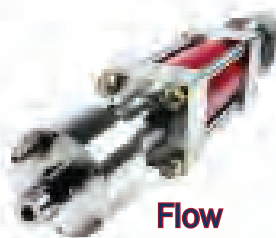
- Parts for Pumps, Cutting Heads, Abrasive Delivery Products, & High Pressure Plumbing/Tubing
- All Major Brands (AccuStream, Flow, KMT, etc.)



AccuStream



KMT



Flow



## Chillers

### Chiller Systems

- Optimization of the Refrigerant
- Energy-Efficient Components at Both Full & Partial Load
- Controlled System Configurations for Efficiency
- Energy-Saving System (Free Cooling)

**Reduce Operating Costs  
& CO2 Emissions!**







## Waterjet Cutting Machines & Parts



### Mach 100

- Rapid Traverse Maximum Up to 400 in./min.
- Linear Straightness Accuracy of  $\pm .005$  in./3 ft.
- Repeatability of .0025 in.
- Configurable with Multiple Cutting Head Options



### Mach 200

- Rapid Traverse Maximum Up to 400 in./min.
- Linear Straightness Accuracy of  $\pm .003$  in./3 ft.
- Repeatability of .0015 in.
- Pivot+ Waterjet for bevel cutting



### Mach 500

- Rapid Traverse Maximum Up to 700 ipm
- Linear Straightness Accuracy of  $\pm .0015$  in./ft.
- Repeatability of .001 in.
- Configurable with Multiple Cutting Head Options
- Built-In Software Suites programming



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## **We Service! We Deliver!**

We install, service, & repair all makes and models we sell!  
PMP Programs also available!



## **We Stock . . .**

### **Bandsaw Blades**



### **Cutting Fluids**



### **Garnet Bulk Hopper**



### **Waterjet Replacement Parts**



### **Waterjet Garnet**



## **. . . and MORE!**

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