

# AHB Tooling & Machinery

MACHINERY CAPABILITIES CATALOG



**ERMAKSAN**  
METAL FABRICATING MACHINERY



 **Flow**



**AHB**  
TOOLING & MACHINERY

COMPLETE METALWORKING SOLUTIONS

Phone: (800) 991-4225

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

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

 **JUPITER**



Many Offerings For Display & Demo  
In Our Roseville Showroom!



**ERMAKSAN**  
METAL FABRICATING MACHINERY

## Heavy Duty Brakes

Over 50 Years of World-Class  
Fabricating Machinery

## Power Bend 'Falcon'

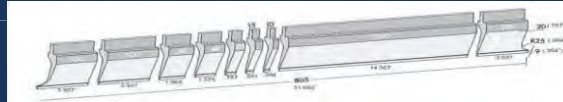


- 1,100 to 3,300 Tons
- Up to 46' SINGLE BEAM!  
(World's largest single beam brake!)
- 2,200 Ton x 40' Tandem
- 13,200 Ton x 106' (4 x Tandem)



- 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

## Evolution III Hybrid



- 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



- 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
- Y1/Y2/X/R/Z1/Z2/X-Prime/CNC Crowning- STD

# 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
- 2 Sets of Foot Pedals
- 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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COMPLETE METALWORKING SOLUTIONS



**ERMAKSAN**  
METAL FABRICATING MACHINERY

**Fibertube Laser**



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

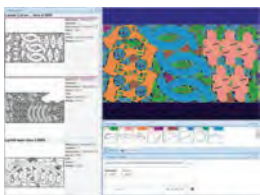
**Fibermak G-Force Fiber Laser**



**Models Available:**

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

**Standard Features Include:**



Metalix or Lantek Expert  
CAD/CAM Software



Scrap & Small Parts Conveyor



Precitec Head



Dust Collector Included



Windows 10 Beckhoff  
Control with Live Hi-Def TV



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COMPLETE METALWORKING SOLUTIONS



## Eco-Friendly

A real eco-friendly machine with low energy consumption and low powder waste.

## Ease of Use

ENAVISION machines have an intuitive Human Machine Interface (HMI) that enables ease of use.

## Saving With High ROI

ENAVISION will make you more competitive with high ROI and low operating cost. All ENAVISION models help investors to realize saving across all industries.

### Model Features:

- Chiller Unit
- Filtration Unit
- Recoating System
- Power Recovery System
- Industrial Vacuum Cleaner System
- Anti-Static Equipments



**CAN PRINT: Aluminum, Tool Steels, Inconel, Hastaloy, Stainless, Titanium, etc.**



Life Tables



Tilting & Upending



Worker Platforms



Turntables



Worklite Positioners



Heavy Duty Lifts



### Model C370CNC' Fully Automatic

- Up to 5" Solids with 14.5" Blade
- Mitering
- Rigid Column-Style Design
- Incline Loading Table Available



Pivot Style



Automatic CNC Column Saw



Vertical Column Saw



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

**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° Mitering
- 6° Canted Head
- 1-1/2" Blade
- 10 HP
- Direct Drive- No Belts or Pulleys
- 5' Shuttle STD- 10' Optional



### DM Series- 10" Capacity

- 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
- 30 Degree Mitering



### "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 Mitering to 30 degrees
- Powered Chip Auger
- The best bundling saw on the market!

### "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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COMPLETE METALWORKING SOLUTIONS

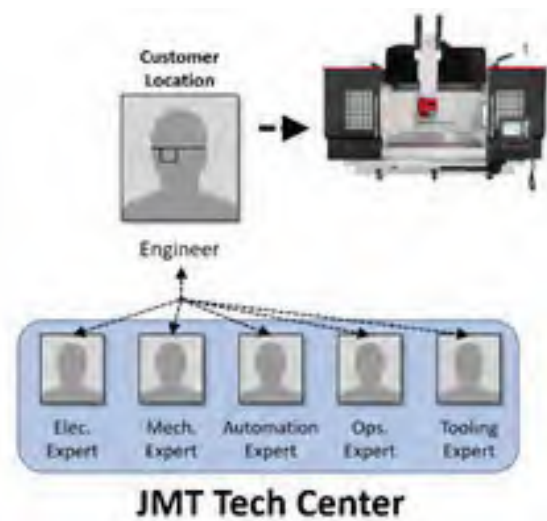
**JHL-1180**

- CNC Horizontal Lathe
- Fanuc Oi-Mate TD CNC System
- Chuck – 10" hydraulic through hole 3-jaw
- Fanuc Oi-TD 10.4"
- Fanuc Manual Guide i
- PCMCIA interfac
- RS-232 interface
- Tool holders – boring (4), facing (1), OD (4)
- Transformer – 480V to 220V
- Turret – hydraulic, 8 stations



**Jupiter AR Thunderbolt Service**

- State-of-the-Art Remote Assistance Kit
- Allows for Jupiter team to immediately diagnose electrical, mechanical or CNC control issues
- Includes set of smart-glasses and proprietary software
- Connect to local wireless LAN or mobile hotspot and Jupiter's experts will hear and see what you see in high-def video







## VMC-4022

- Travels 40x22x21 (X,Y,Z)
- Linear Roller Guideways
- Rapid Traverse 1890 (X&Y), 1180 (Z)
- Fanuc Oi-MF Plus Control w/ 15" Touchpanel
- 12,000 RPM CAT-40 Dual Contact, 20 HP Belt-Driven Spindle
- Coolant thru Spindle @ 300 PSI with Dedicated Pump
- 4th & 5th Axis Pre-wired
- RS-232 & CAT-6 Interface
- Machine Weight 14,300lbs.
- Meehanite Casting
- 30 Slot Tool Changer
- Box way machines available

*\*\*Models available with 5-Axis, as well as Bridge and Gantry style machines*

## VMC-4022



## 5-Axis VMC

- 3 Axis Vertical Machining Center
- Linear Roller
- Enclosed splash guard
- Fanuc Oi-MF 10.4" LCD w/ AICC 2 control
- RS-232 & CAT-6 interface
- Spindle oil cooler
- Various Spindle Configurations Available



## Heavy-Duty Bridge & Gantry Machines

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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 110 Ton x 10'
- Unload to Box, Pallet, or Conveyor
- 3 Grippers with 3 Different Sizes
- Can Use Press Brake Manually Without Robot



### Euromac MTX AutoIndex Punch

- 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

### Euromac All-Electric Press Brake

- Servo Ball Screw Driven
- Stable Mehanite Cast Frame
- 7-Axis Gauging Available
- Hydraulic Tool Clamping

### Flexible CNC Punching Press



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



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



**Forming & Tapping**



**Extrude**



**Bending & Forming with Auto Index**

# EUROMAC

## Flexible CNC Punching Press



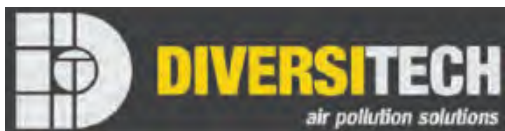
**4, 6, & 10- Station  
Multi-Tool**



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



**Compact Model**



## Filtration Systems



### Downdraft Tables

- Collects Dust, Smoke, & Fumes Through Perforated Table Top
- Variety of Custom Kits & Fittings
- Arrestance of 92% at 2 Microns
- Tables up to 10' long!



### 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)

### Dust Collector

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



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# COSTA LEVIGATRICI

## Finishing Machines

- Available in many widths
- Belt/brush combinations for de-burring, edge rounding, graining, random pattern, etc.
- Top & bottom models available



Wire & Flapper Brushes Available



Top & Bottom Machines Available



Edge Rounding



Edges:  
Only If Desired



Oxide Removal



### W Series

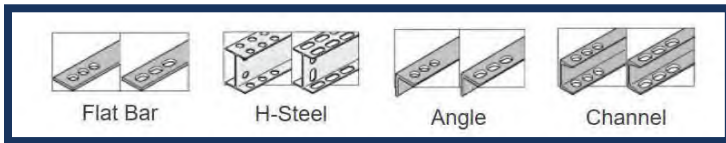
This wet process series combines the heavy duty structure of constant pass-line technology with heavy duty cylinders or brush units. These machines can be equipped with 2 through 5 internal working units!



**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
- Power Feed 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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## Cold Saws

- Scotchman Saw with Bundle Load Magazine



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



- SUP- 600 Non-Ferrous Upcut Saw with Programmable Gauging
- 20" & 24" Dia Blades Available



## Ironworkers

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

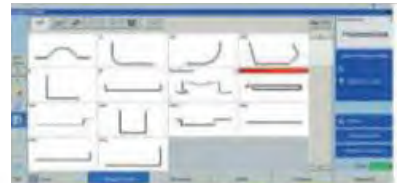


# SCHRÖDER GROUP

## Up/Down Folding Machines

### World's Most Advanced 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**



**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**



**Duplex Milling-  
Automatic Block  
Squaring**

**Ironworkers**

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



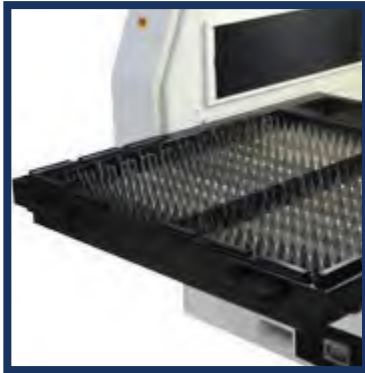
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### FC Series Laser

- 4 x 4, 4 x 8, & 5 x 10 Cutting Tables
- High-grade Ball Screws
- Brushless Servo Drives Allow Cutting to .0004"/ft. Accuracy
- Stable Granite Base



Roll Out Table

# SIDEROS<sup>®</sup>

ENGINEERING

### 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





DAIHEN INC.



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



Increase Production & Quality!

### Insertion Presses



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

Size	Steel	Aluminum	Part
CF80313-10	STEEL		3600
CF80313-12	STEEL		3600
CF80313-14	STEEL		3600
CF80313-16	STEEL		3600
CF80313-18	STEEL		3600
CF80313-20	STEEL		3600
CF80313-22	STEEL		3600

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### "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 Worn gear 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



Pipe Rotator Available



### Shop Pro & Shop Pro XHD

- 4'x4' Shop Pro
- 4'x8', 5'x10', & 6'x12' Shop Pro XHD
- Dual Side Drive with Linear Bearings
- Water Table or Down Draft
- Plasma & Oxy Fuel Available to 2" Thick

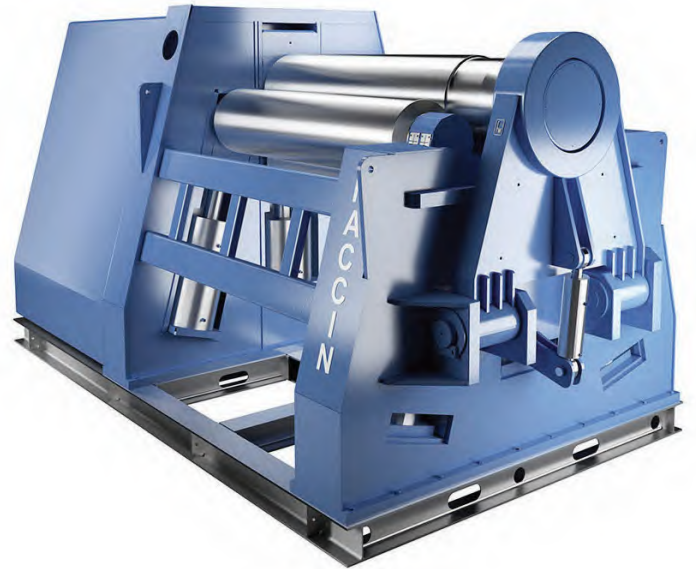


# FACCIN

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
- Wind Tower Processing Lines

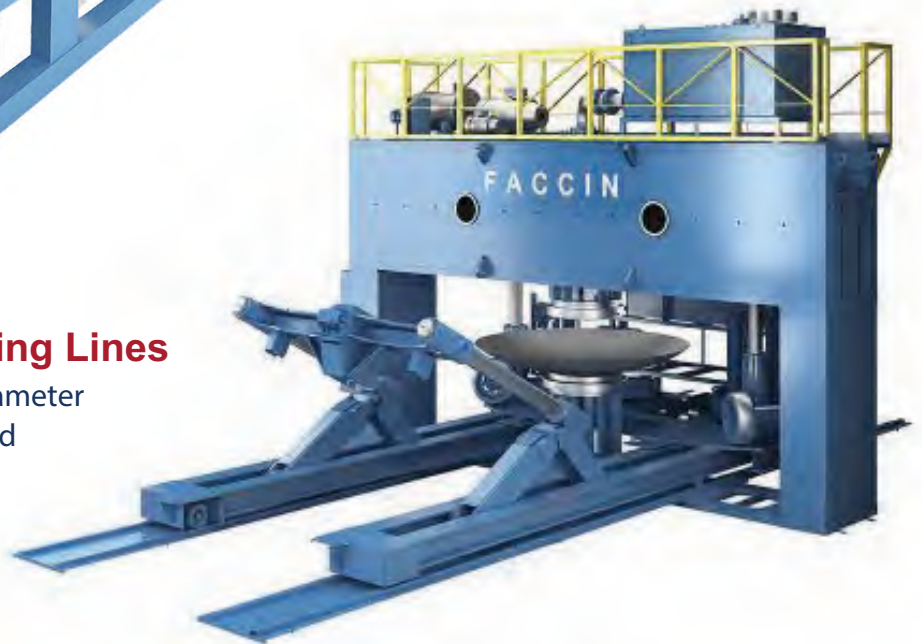


## Angle & Section Bending Rolls

- 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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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





## 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
- Increased performance
- Predictive maintenance
- Improved reliability and ease of service

**Waterjet Cutting Parts & Service**

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



**Flow**



**KMT**



**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!**





# Flow



## Waterjet Cutting Machines & Parts



### Mach 100

- Rapid Traverse Maximum Up to 400 in./min.
- Linear Straightness Accuracy of +/- .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 +/- .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 +/- .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



### Waterjet Replacement Parts



### Cutting Fluids



### Garnet Bulk Hopper



### Waterjet Garnet

... and MORE!

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