

# AHB TOOLING & MACHINERY

## MACHINERY CAPABILITIES CATALOG



**ERMAKSAN**  
INNOVATIVE TECHNOLOGIES



# AHB

**TOOLING & MACHINERY**

**COMPLETE MANUFACTURING SOLUTIONS**

(800) 991-4225

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

ISO Certified

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

**MANY OFFERINGS FOR DISPLAY & DEMO IN OUR ROSEVILLE SHOWROOM!**



**ERMAKSAN**  
INNOVATIVE TECHNOLOGIES



## HEAVY DUTY BRAKES



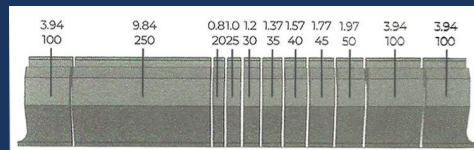
- 1,100 to 3,300 Tons
- Up to 46' SINGLE BEAM!  
(Worlds Largest Single Beam Brake!)
- 2,200 Ton x 40' Tandem
- 13,200 Ton x 106' (4 x Tandem)

## POWER BEND 'FALCON'



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

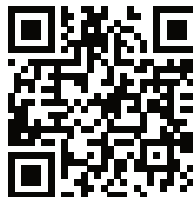
Premium Rolleri (Italy) precision  
hardened & ground segmented tool set  
with right & left hand horns included  
with every Ermak press brake!



## 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



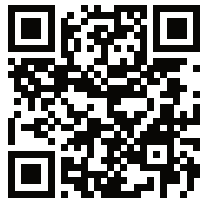
## EVOLUTION III HYBRID



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



# FEATURES OF THE ERMAKSAN SPEED BEND



12-Point Frictionless Guidance  
Allows High Operating Speeds

Long Stroke &  
Generous Open Height

Polished Chrome &  
Hardened Pistons

Heavy Strong Steel  
Mono-Block Body

Delem, Cybelelec or  
Ermak Controls

Hardened & Ground  
Sectional Top &  
Bottom Tools

CNC Motorized  
Crowning (Standard)

Side Guards  
w/ Switches

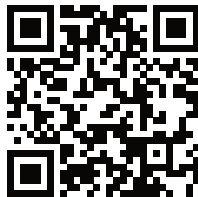
Double Foot Pedal

Accurate Bending  
+/- .0004"

Quick Release Top  
Tools Clamping  
System

4 Axis Servo-Motor Driven  
Back Gauge System  
(Standard) - X/R/Z1/Z2

Front Support Arms  
On Linear Rails



## 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

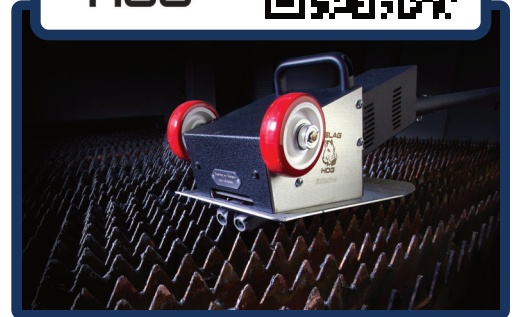
## FIBERTUBE LASER



**ERMAKSAN**  
INNOVATIVE TECHNOLOGIES



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



Extend the life of your table with the Slag Hog slat cleaner!

## FIBERMAK G-FORCE FIBER LASER

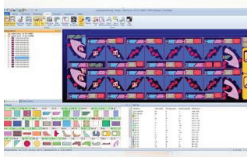


**Models Available:**

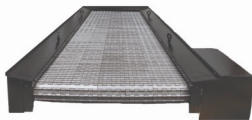
- Dual Shuttles
- Single Table
- End Load
- Side Load
- Bevel Heads
- Tube/Pipe Attachments



### STANDARD FEATURES INCLUDE:



**Lantek Expert CAD/  
CAM Software**



**Scrap & Small  
Parts Conveyor**



**Precitec Head**



**Dust Collector  
Included**



**Windows 10  
Beckhoff Control  
with Live HD TV**





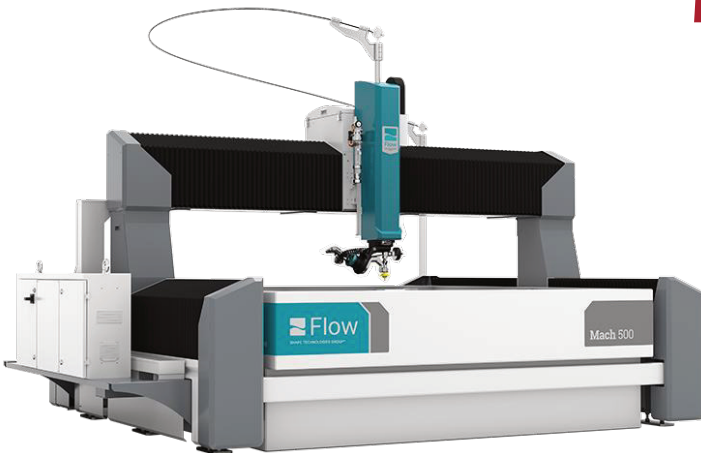
## MACH 100

- Rapid Traverse Maximum Up to 400 in./min.
- Linear Straightness Accuracy of  $\pm .005$  in./3ft.
- 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./3ft.
- Repeatability of .0015 in.
- Pivot+ Waterjet for bevel cutting



## MACH 500

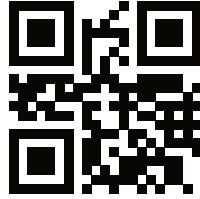
- Rapid Traverse Maximum Up to 700 IPM
- Linear Straightness Accuracy of  $\pm .0015$  in./ft.
- Repeatability of .001 in.
- Configurable with Multiple Cutting Head Options
- Built-In Software Suites Programming



## MICHIGAN-BUILT BAND SAWS



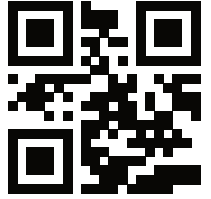
**W.F. WELLS**



**SINCE 1928**

- Twin-Post Band Saws
- Manual, Semi-Auto & Fully-Automatic
- Capacities from 9" to 50" diameter!

**Wellsaw®**  
Quality Metal Cutting Bandsaws



- Scissor-Type Saws
- Portable Saws
- Hor./Vert. Convertable Saws



- Vertical Contour Saws
- 20" THR x 16" H
- 20" THR x 24" H

**SINCE 1929**



**COLD SAWS**

### MODEL C370CNC FULLY AUTOMATIC

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



**PIVOT STYLE**



**AUTOMATIC CNC  
COLUMN SAW**

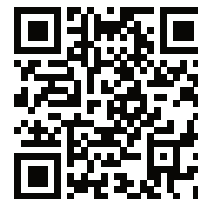


**VERTICAL  
COLUMN SAW**





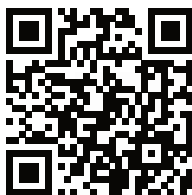
"Nothing Happens 'Til You Saw It!"  
- Al Szarek



Preventative  
Maintenance  
Contracts Available

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

Best Cost per  
Cut in the  
Industry!



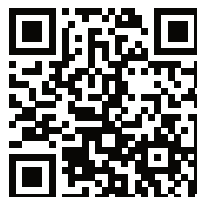
## V25 - KING OF VERTICAL SAWS!

- 25'W x 30"H
- 60° Mitering Right & Left
- 6° Canted Head
- 1-1/2" Blade
- 10HP
- Direct Drive- No Belts or Pulleys
- 5' Shuttle STD - 10' Optional



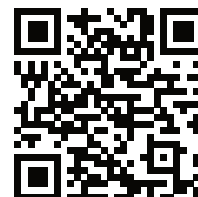
## DM SERIES - 10" CAPACITY

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



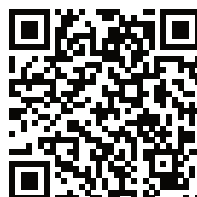
## "H" SERIES

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



## "S" SERIES

- Scissor-Type Swing Head Mitre Saws
- S20: 13" x 18" x 1" Blade
- S23: 16" x 20" x 1-1/4" Blade
- 60 Degree Mitering
- Laser Light & Work Light



## "M" SERIES

- Scissor-Type Swing Head Mitre Saw
- M20A: 20" x 30" x 1-1/2" Blade
- All Hydraulic Movements
- Programmable Mitering to 60 Degrees
- Powered Chip Auger
- The best bundling saw on the market!



## CNC CARBIDE SAWS

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

**MANY OFFERINGS FOR DISPLAY & DEMO IN OUR ROSEVILLE SHOWROOM!**



Supplying innovative machine tool technologies to the industry *since 1981!*



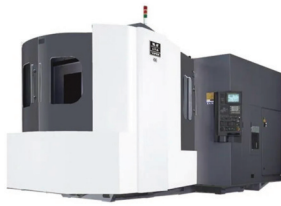
High Speed 15,000RPM built-in spindle.



## HMC

Horizontal machining center is designed with high rigidity on all three axes. Features a precision built-in spindle.

- 50 40 - Taper Spindle
- 6-Pallet Changer\*
- Heavy Duty Linear Guideways



Reduced Cycle Times, Higher Parts Volume.

- 50-Taper Spindle
- 55" X-Travel
- Box Ways

## HORIZONTAL LATHES

### SMALL TO LARGE TURNING CAPACITY

Flatbed lathes to simple 2-axis gang style turning with automation all the way to complex 7-axis mill/turning with main-spindle, sub-spindle, Y-axis, milling turret, and robotic loading and unloading application.

- Up to 10in Chuck
- BMT-45 Live Turret\*
- Box Ways

Perform hard turning on a small machine footprint.

Tooling holders for BMT live turret.

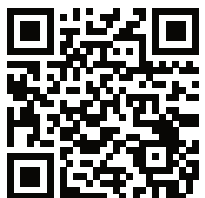


## BRIDGE MILLS

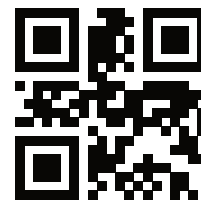
### LARGE CAPACITY MILLING

Bridge machining center which uses a fixed crossbeam and a fixed column, with a moveable table. Industry applications for aerospace, automotive, and locomotive. Excellent for machine die/mold, aluminum, and cold steel.

- 3 & 5 Axis
- 30 - 50 H.P.
- 6,000 - 30,000 RPM Spindle







## JUPITER VERTICAL MACHINING - VMC4024

Jupiter's C-frame vertical machining centers are available in a wide range of sizes in both roller linear and box guideway configurations. Standard spindles are high horsepower, direct drive CAT-40 dual contact while the largest VMCs feature geared CAT-50 arrangements. Jupiter's default CNC control package is the Fanuc Oi-MF Plus Alpha platform. Alternative CNC brands such as Heidenhain, Seimens, Mitsubishi, and others are available upon request. 4th and 5th axis pre-wiring is standard, and rotary or trunnion add-ons are provided by certified partners such as Lyndex-Nikken and Detron.

- Fanuc OiMF Plus CNC Control System
- 15" Touchscreen Manual Guide i,
- Conversational Programming Package Embedded Ethernet,
- Rigid Tapping R660 High Speed and Accuracy Mold Package,
- AICCI
- 200 Block Look Ahead
- Fanuc  $\alpha$  Spindle Motor Power 44 HP (33kW),
- Max Torque 141 Ft. Lbs (191Nm)
- Fanuc  $\alpha$  Servo Motors (3/3/4 kW) with 4-million count Absolute Positioning Encoder
- Travel of X / Y / Z: 40.2" / 24" / 24" (1020 / 610 / 610mm)
- Rapid Rate X / Y / Z: 1,417 / 1,417 / 1,417ipm (36 / 36 / 36m/min)
- Work Table Size: 47.25" x 23.6" (1200mm x 600mm) Work Table Load: 1,980lbs (900kg)
- CT-40 Taper - Dual Contact Direct Coupling
- 15,000rpm Spindle

*View Vertical Mills Here!*



## JUPITER MACHINE TOOL'S HORIZONTAL LATHE SERIES - PRECISION & POWER REDefined

Jupiter Machine Tool's JHL Series represents the pinnacle of innovation and engineering excellence in high-precision machining centers. Designed to meet the demands of modern industries, the JHL-2016, JHL-3024, and JHL-3042 deliver unmatched performance, durability, and accuracy across a range of applications.



## VMX650FX SERIES STANDARD FEATURES



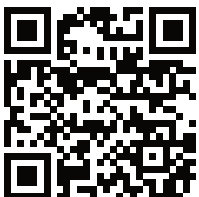
- Fanuc 31i-B5 with a 21.5" Color Touch Screen
- Dynamic Collision Monitoring Software
- Tool Center Point (TCP) & (TCPM)
- Smart rigid Tapping  $\varpi$  Rotary Table Diameter  $\varnothing 650 \times 520$  mm ( $\varnothing 25.59" \times 20.47"$ )
- Max Work Size  $\varnothing 650$  mm (21.17") Height 460 mm (18.11")
- Max Table Load 300kg/ 300kg (661.39 lbs./ 661.39 lbs.)
- X/ Y/ Z Axis Travel, 700/ 560/ 475mm (27.56"/ 22.05"/ 18.70")
- Tilt Axis (B Axis), Swiveling Range -90~ +120°; with Heidenhain ECN Rotary Encoder
- Rotary Axis (C Axis) 360°; with Heidenhain ECN Rotary Encoder  $\varpi$  Max Spindle Power 33 kW (44.25 hp), 166Nm (122,43 ft-lb), S6-15%
- Max Spindle Speed 15,000rpm, DDS, Dual Contact CAT #40
- Fanuc  $\alpha$  Spindle Motor, Fanuc  $\alpha$  Amplifiers and Servo

## MELTIO WLMD 3D ENGINE STANDARD FEATURES:

- The 3D metal printer system prints highly complex components of all shapes and sizes, Integral closed passageway geometries can be printed using different metals in the same part.
- Laser prototypes can be made without complex fixtures
- The Meltio CNC Engine is supplied with Control system with 25" color touch screen.
- Laser Chiller - Wire drive system keeps wire moving during the print cycles.
- Print Head has six focused lasers to provide safe and accurate laser power to focused to create a "Melt" pool during the printing process.
- Integrate with any 3 or 5 axis CNC machine, converting it into a hybrid metal manufacturing system.
- Makes any 3D metal shape part without inherent constraints and the part size is only limited by the size of the machine work envelope.
- The print head is deployed or retracted automatically by CNC program M Code.
- Printhead Size (WxDxH): 202 x 297 x 784 mm; Printhead Weight 15.5 kg



View Horizontal  
Machines Here!



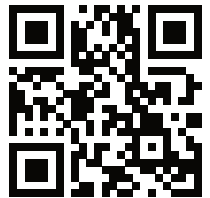
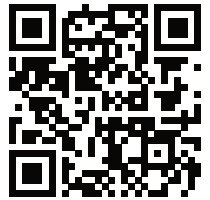
## JUPITER HORIZONTAL MACHINING - HMC-800P

- Fanuc 0iMF Plus CNC Control System 15" Touchscreen
- Manual Guide i, Conversational Programming Package
- Embedded Ethernet, Rigid Tapping
- R660 High Speed and Accuracy Mold Package, AICCI, 200 Block Look Ahead Fanuc  $\alpha$  Spindle and Servo Motors
- Heidenhain Linear Scale Feedback
- Travel of X / Y / Z: 50.0" / 41.3" / 41.3" (1270 / 1050 / 1050mm)
- Full Contouring B axis +/- 360° (0.001°)
- Rapid Rate X / Y / Z: 590 / 590 / 472ipm (15 / 15 / 12m/min)
- Work Table Size: 31.5" x 31.5" (800mm x 800mm)
- Work Table Load: 5,500lbs (2500kg)
- Dual Contact CT-50 10,000rpm Spindle, 25 HP (18.5kW), Torque 347 Ft. Lbs (471Nm) Temperature Controlled Spindle Oil Chiller
- Automatic Tool Changer: 60 Tools Side Mount Chain w/swingarm
- High Precision C2 Class Pre-Tensioned Hollow Ball Screws with internal cooling Remote Portable MPG
- Flood Coolant System with Chip Flush System
- 120 US Gallons (460 Liters) Coolant Tank



### ELECTRIC PRESS BRAKES ROBOTIC CELL

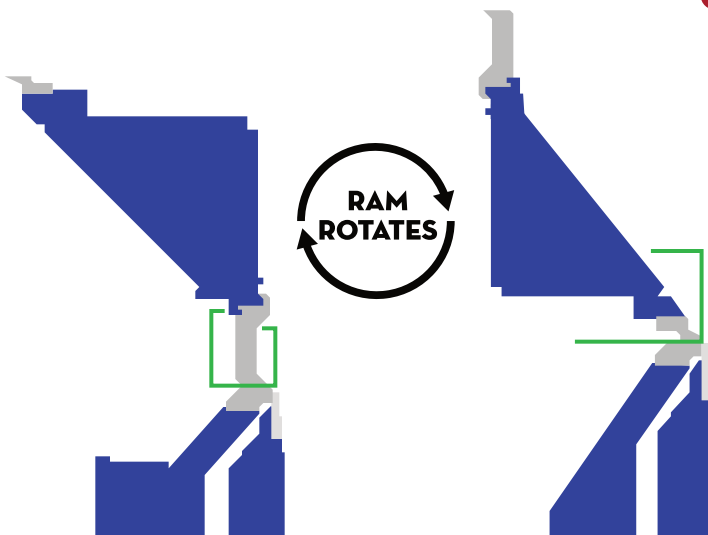
- Cell for Small & Medium Sized Pieces with High Production Capacity
- From 25 Ton x 40" to 110 Ton x 10'
- Unload to Box, Pallet, or Conveyor
- 3 Grippers with 3 Different Sizes
- Can Use Press Brakes Manually Without Robot



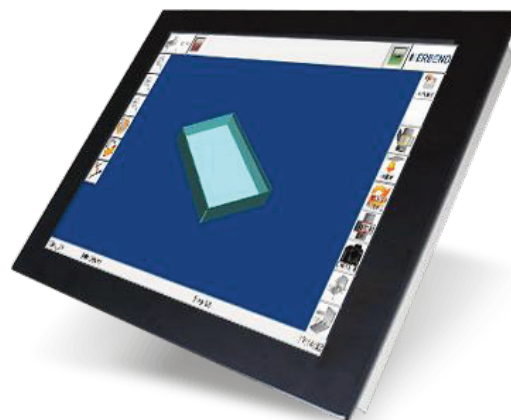
### ADVANTAGES OF A FOLDER

- Material stays flat on the table
- Typically one person operated
- Available in conventional "up" bend and up/down bending (no flipping of parts)
- Large "U"-Shaped & "L"-Shaped Support/Gauging Tables Available

Unique dual combi-beam with up/down bending accommodates more shapes!



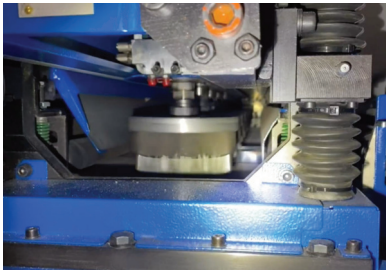
### ERFOLD ADVANCED / 2D & 3D CNC GRAPHIC CONTROL SOFTWARE ON TOUCHSCREEN CONTROLLER



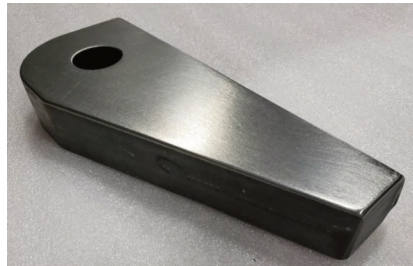


## W SERIES

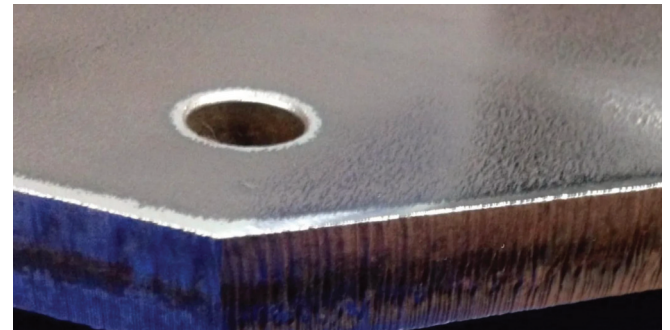
This wet process series combines the heavy duty structure of constant pass-line technology with heavy duty cylinders or brush units. These machines can be equipped with 2 through 5 internal working units!



**Wire & Flapper Brushes**



**Edge Rounding**



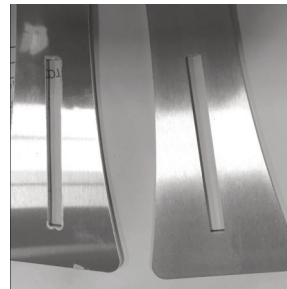
**Perimeter, If Desired**



**Oxide Removal**



**Non-Directional**



**Grain Finishing**

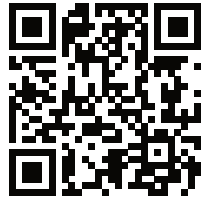


**Orbital**

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



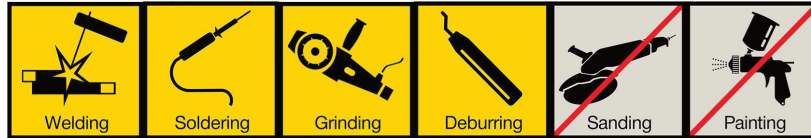




## PORTABLE FUME EXTRACTION

- Compact, portable and easy to maneuver
- Capture-at-source for cleaner air
- Compliant with OSHA guidelines for controlling weld fumes

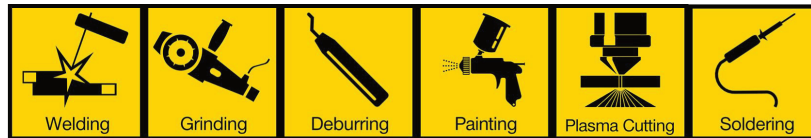
### Recommended Applications:



## DOWN DRAFT TABLES

- Hands-free, capture-at-source
- Low maintenance, automatic self-cleaning system included
- Compliant with OSHA guidelines for safe capture of dust, smoke and weld fumes
- Available from 38"x30" Worksurface up to 5'x10' Worksurface
- High Capture Face Velocity (300 FPM)
- Multi-stage Spark Arresting Baffling
- Automatic Reverse Pulse Self-cleaning System

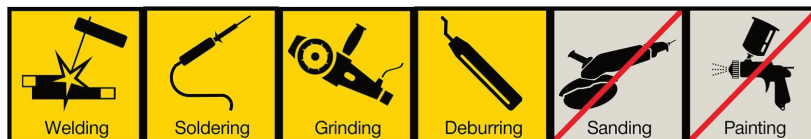
### Recommended Applications:



## FILTERHAWK CARTRIDGE DUST COLLECTOR

Eliminating dust, smoke and other airborne contaminants, the Filterhawk Cartridge Dust Collector from Diversitech features an innovative, modular design. Its durable, heavy-duty, powder-coated steel construction makes the collector tough enough to withstand even continuous operation in industrial applications.

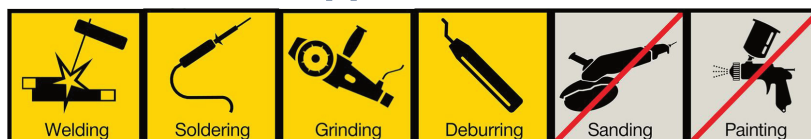
### Recommended Applications:



## TYPHOON WET DUST COLLECTOR

- Eliminate the risk of fire and explosion due to combustible dust
- Compact footprint
- Adaptive Ultrasonic Water-level Control
- 100% Duty Cycle, online refill
- Compliant with NFPA guidelines for combustible dust

### Recommended Applications:







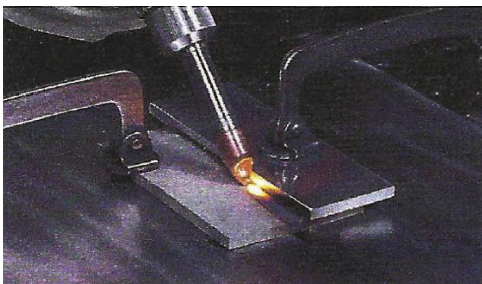
**We solve complex problems with simple solutions that work.**

More than a weld table manufacturer, our products provide solutions to challenges and new opportunities your customers are encountering everyday.



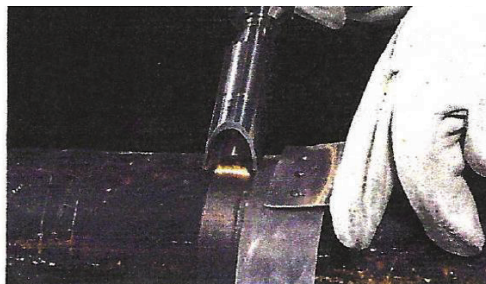
## LightWELD™

### HANDHELD LASER WELDING & CLEANING SYSTEMS



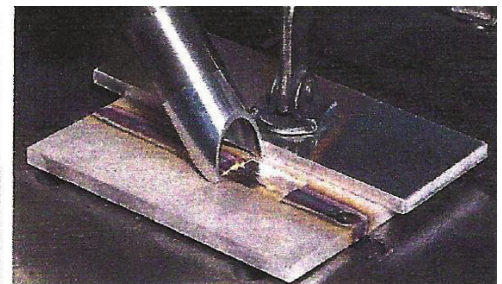
#### LASER WELDING

High speed, low heat input, and a small HAZ make laser welding thick, thin, reflective materials, and materials with dissimilar thickness far less challenging for all skill levels.



#### LASER PRE-CLEANING

Pre-welding cleaning removes rust and other contaminants from materials and increases weld quality. This is much faster than manual cleaning and uses no chemicals or abrasives.



#### LASER POST-CLEANING

Post-weld cleaning removes heat discoloration and improves visual finishes without post-weld grinding.



### SCOTCHMAN SAW WITH BUNDLE LOAD MAGAZINE



#### IRONWORKERS

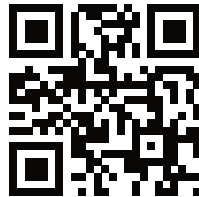
- Many models available
- 24" Plate Shears Available
- One or Two Man Operation
- Built-In Notcher & Press Brake Tooling Available
- Power Cavity with Quick Change Tools



### SCOTCHMAN PIVOT SAW (HAND & SEMI-AUTO) (FERROUS & NON-FERROUS)



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



#### IRONWORKERS

- 36 to 130 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



### 1, 2, & 3 Axis CNC Available! ERCOLINA O50 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")







**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**



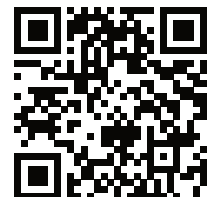
**DUPLEX MILLING -  
AUTOMATIC BLOCK  
SQUARING**



**SPARTAN IRONWORKER**  
Strongest LED Lighting &  
Best Stripper in the Industry

- Heavy-Duty
- Dual Cylinder
- Completely Integrated
- Ironworker with 60 Ton Capacity
- 7-1/2 H.P.
- 12" Throat
- 5 Work Stations
- Simultaneous Dual Operation

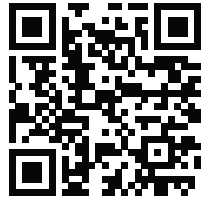
**Introduction to the  
Spartan Ironworker**







## FIBER OPTIC LASERS



### FC SERIES LASER

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



### Laser Welding & Cleaning



### SHEETMASTER 100

#### Standard Features

- Allows crane access to unload shelves
- T-handle provides ergonomic assistance to open shelves
- Automatically locks open shelves in place
- Automatically locks closed shelves in place

#### Optional & Accessories

- Bi-directional or bi-directional folding Sheetmaster
- Folding Sheetmaster
- Forklift risers
- Greater capacities
- Customizable height
- Rear loading
- Standard 3 to 8 shelves



### PRESS BRAKE TOOL STORAGE

#### Standard Features

- Up to 4,000 lbs capacity per shelf
- 100% extension shelves
- Adjustable and removable UHMW tool separators and holders

#### Options Accessories

- Auto-Lock feature prevents more than one shelf from opening at a time
- Monorail beam for lifting heavy tools
- Locking enclosure for loss prevention
- Lock-Out feature locks the open shelf in position to prevent it from moving during access

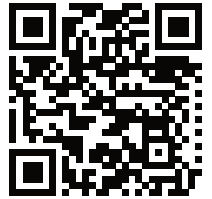


### RACK ENG. STOCK RACK

- Intermediate support (up to 20' long)
- Stock dividers (all welded or adjustable)
- UHMW lined arms • Custom colors
- Single or double sided units
- High density storage
- 100% extension shelves
- Space efficiency

#### Presentation of the Crank-Out Cantilever





## ROTOLIFT

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



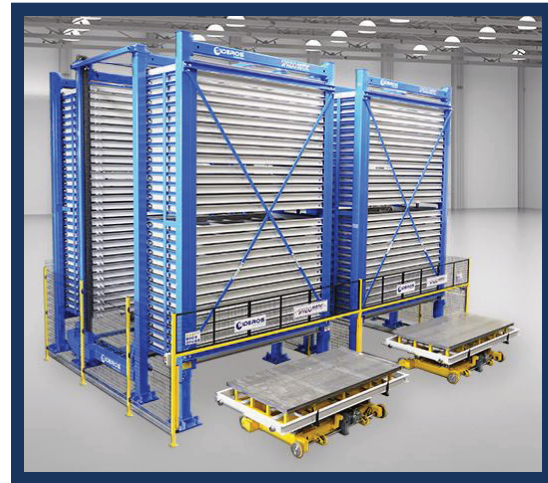
## SYNCROLIFT

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

## AUTOMATED SHEET & LONG STOCK STORAGE/RETRIEVAL SYSTEMS



From 4' x 8' to 7' x 20' Sheets  
Up to 11,000 lbs./shelf

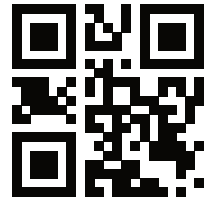


From 10' to 30' Bar/Tube/Extrusions  
Up to 11,000 lbs./shelf

- Reduced Storage Footprint
- Customizable Designs
- Updated Inventory Status
- User Friendly Touchscreen Control
- Safe! Load/Unload at Floor Level



## SINGLE SOURCE SOLUTIONS



- Advanced Pulse Welding Technology
- Pre-Engineered and Custom Weld Cells
- Manual and Robotic Welding
- Material Handling Robots
- Short and Long Reach Arms
- 25% Less Key Strokes to Program

### PRE-ENGINEERED WELD CELL ECO-ARC 200



### ADVANCED PULSE WELDING TECHNOLOGY



### READY TO RUN MANUAL WELDING PACKAGE



### SHORT AND LONG REACH INDUSTRIAL ARMS



### SHORT AND LONG REACH COLLABORATIVE ARMS WITH LEAD TO TEACH



### FD21 TEACH PENDANT WITH 25% LESS KEY STROKES



## RESISTANCE WELDING SOLVED



Manufacturer and distributor of resistance welders and welding systems, including an IN-SHOP inventory of NEW and USED equipment, tool balancers, accessories, and consumables.



## INSERTION PRESSES

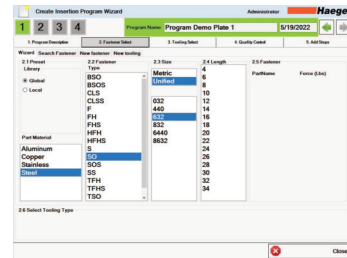


### 824 ONETOUCH

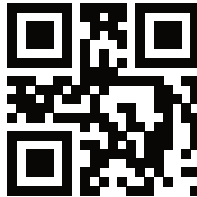
- Touch-Screen PC Interface
- 4-Modular Autofeed Systems Feeding Units
- 4-Station Upper & Lower Tool Change System
- Fastener Library
- Automatic Tonnage & Setting for Each Fastener

### HARDWARE INSERTION PRESS

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



Fastener Library



### ADF FRONT LOAD PARTS WASHER

#### MODEL 300

- 28" to 48" turntable diameters
- Part height clearances 41" to 53"
- Pump sizes from 2 HP to 10 HP
- Volumes range from 40 to 200 GPM and above with pressures from 40 PSI and up

#### MODEL 860

- 32" or 42" turntable diameters
- Part height clearances of 36" and 48"
- Standard pump performance is 10 HP producing 18 GPM at 700 PSI



### ADF TOP LOAD PARTS WASHER

#### MODEL 200

- Standard turntable diameters are 28", 36" and 48"
- Volumes range from 40 to 200 GPM and above
- Pressures from 40 PSI and up, and pumps from 2 HP to 10 HP and above

#### MODEL 800

- Standard turntable diameters are 23", 32" and 42"
- Standard part height clearances of 11"
- Standard pump performance is 5 or 10 HP producing 7.5 or 18 GPM at 700 PSI



### VIBRATORY TUBS ARE AVAILABLE IN M25, M45, AND M85 MODELS



BURR KING VIBRATORY CHAMBERS M25, M45 & M85

- 2.5, 4.5 and 8.5 cubic feet capacity
- Quiet performance
- Operate Wet or Dry
- Integrated, metered compound delivery system
- Flow-through design
- Replaceable drain
- Fully adjustable amplitude

### MODELS 110, 150 & 200 VIBRA KING BENCH TOP BOWLS

- Ideal for bench top polishing, descaling, de-burring, and surface conditioning
- Units are fast, quiet, and effective
- Available in 3 qt, 10 qt, and 20 qt volumes





### **"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 Load
- 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

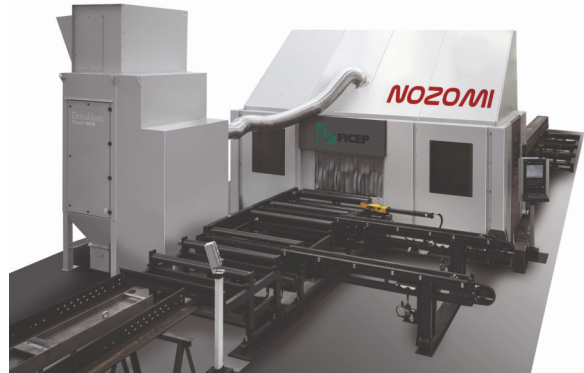
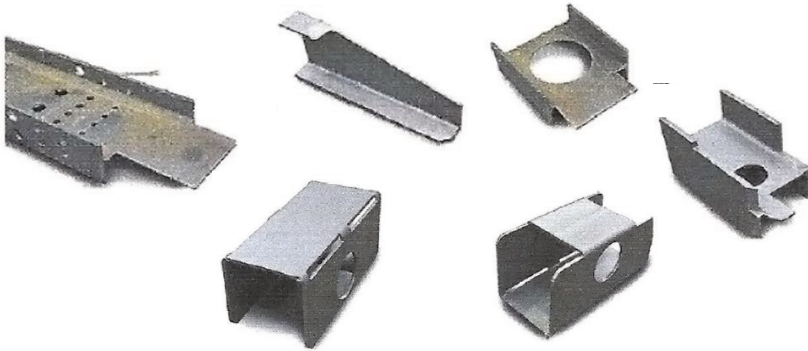


Plate Machining | Angle Lines  
Double Miter Saw Lines | Beam Drill Lines

## STRUCTURAL & PLATE FABRICATING MACHINERY



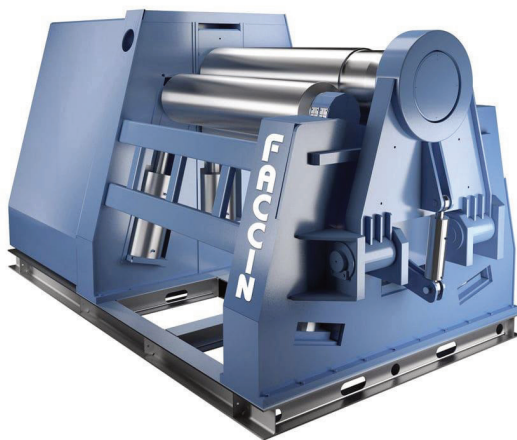
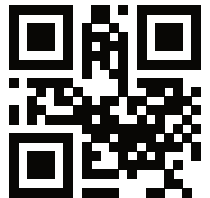
### HI-DEFINITION PLASMA CUTTING WITH LASER SCANNING



### GANTRY CNC DRILLING AND THERMAL CUTTING SYSTEMS FOR PLATES



## 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 up to 10" x 10"
- Sections & Beams up to 12" x 79"







## SHEET, PLATE, & ANGLE ROLLS



**MADE IN  
THE U.S.A.!**

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



### MODEL AR SECTION ROLL

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



### B-MODEL SHEET METAL ROLL

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



### 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" Thick x10'  
4-Roll with 29" Top Roll



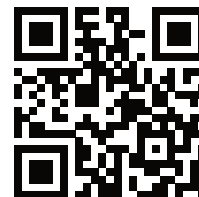
### CONVENTIONAL VERTICAL KNEE MILLS

- 9"- 12" X-Axis 49"-59" Table Sizes
- 32"- 47" X-Axis Travels
- 13"- 17" Y-Axis Travels
- 16"- 20" Knee Travels
- 3 – 5 H.P. Spindle Motors
- R8 & 40 Taper Spindles



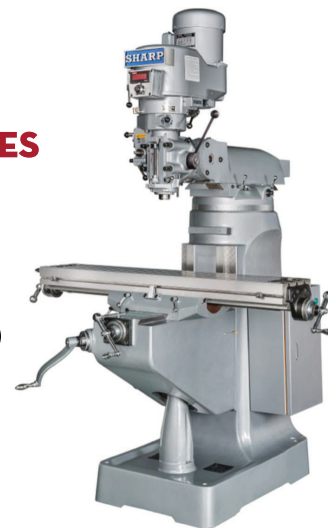
### CONVENTIONAL / MANUAL LATHES

- 13" – 80" Swing
- 40" – 480" Center Distance
- 3" – 25" Spindle Bore



### SHARP VERTICAL KNEE TYPE MILLING MACHINES

- 30"- 40" X Travel
- 12" – 16" Y Travel
- 5" Quill Travel
- Dove Tail & Box Ways
- Variable Speed (60-4,500 rpm)



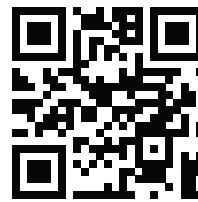
### TOOLROOM - PRECISION - HEAVY DUTY LATHES

- 11" – 80" Swing
- 18" – 315" Center Distances
- 1" – 15" Spindle Bore
- 3 – 30 H.P. Motor

### SHARP MANUAL & AUTOMATIC SURFACE GRINDERS

- 6x18 – 16x32 Table Sizes
- 5.9" – 26" Max Grind Size





### GEARED HEAD & VARIABLE SPEED LATHES

- 13" – 40" Swing Over Bed
- 25" – 240" Between Centers



*View More Lathes Here!*



*View Surface Grinders Here!*



### MANUAL SURFACE GRINDER

- CSG618H
- CSG818H

***Bridgeport***



### SERIES 1 BRIDGEPORT MILL

With over 400,000 machines built over the past 70 years and counting, the Bridgeport® Series 1 Standard Knee Mill is the most popular milling, drilling and boring machine available and continues to fulfill the industry's need for an accurate, reliable, and versatile mill.

- 36" X-Axis Travel
- 12" Y-Axis Travel
- 5" Quill Travel
- 16" Knee Travel
- 12" Ram Travel
- 9" x 49" Overall Table Size



**KINGSTON**



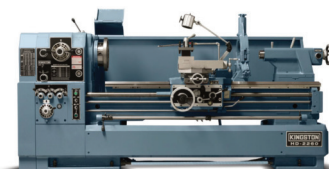
### HJ SERIES

- Bore: 2.25" (3.07" Upgrade)
- Swing: 17"
- C.C.: 43" or 67"
- Spindle Nose: D1-6 (D1-8 w/ 3" Bore)
- Main Motor: 7.5 HP



### HD SERIES

- Bore: 4.09"
- Swing: 22", 26", or 30"
- C.C.: 35" – 160"
- Spindle Nose: D1-8 (HD-22) / D1-11 (HD-26/30)
- Main Motor: 10 HP (HD-22) / 15 HP (HD-26/30)







## SLUDGEMASTER

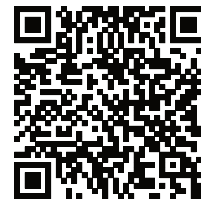
The SludgeMaster combines circulation, filtration and evacuation in a continuous coolant management system.

Designed to bring emulsions back to original condition.



## CLS-141

The Ebbco Closed Loop Filtration System is designed to close the drain by filtering the over flow water from the Waterjet table down through a bag filter polishing off the water with the Ebbco Hurricane Filter Cartridge and removing the dissolved solids with an Ebbco DI Resin Vessel. The Clean, Treated water is then returned to the high pressure pump at the pump manufactured proper specification.

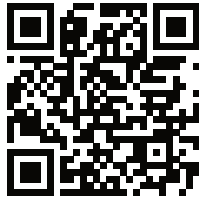


## GRS-O3O2-B-CC

Ebbco's Abrasive Removal System is designed to continuously remove exhausted abrasive/garnet that collects in a Water-Jet catch tank, thus eliminating downtime for clean out and maximizes production. The Abrasive Removal System can be adapted to any abrasive Water-Jet Cutting machine.



# Hypertherm



# KOOLANT KOOLERS



## WATERJET PUMP

- Range In HP from 15 to 150
- Increased Performance
- Predictive Maintenance
- Improved Reliability And Ease Of Service

## WATERJET CUTTING PARTS & SERVICES

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



Flow



KMT

## CHILLER SYSTEMS

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



## MIST & AIR FILTRATION

# AEROEX



# Absolent



# AIR QUALITY ENGINEERING



# ROYAL PRODUCTS



# purifiedair®



# REPAIR & MAINTENANCE

**IF IT'S HAPPENED, WE'VE FIXED IT!**



We pride ourselves as a full-service repair and maintenance solution. Our quick response time, usually within 24 hours from your call, helps to minimize downtime, while our Preventative Maintenance Programs (PMP) help to avoid down time entirely.

## INSTALL/SERVICE/REPAIR

- Automated Structural Equipment
- Band Saws
- Cold Saws
- Iron Workers
- Lathes - CNC & Manual
- Mills - CNC & Manual
- Press Brakes & Shears - CNC & Manual
- Punches
- Rolls
- Tube Benders
- Waterjets

★★★★  
"Very good follow through with the install and after sale service."

## INSTALL/INSPECT/SERVICE/REPAIR

- Air Filtration Systems
- Water Filtration System

## INSTALL & PLUMB

- Central Coolant Feed Systems

★★★★  
"The technician was prompt and knowledgeable."

## NEED A PREVENTATIVE MAINTENANCE PROGRAM?

**No Problem. We're Experts.**

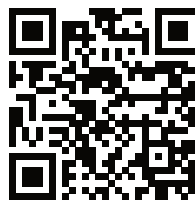
Can we create a plan to monitor/change your filters and oil?

**YEAH.**

Can we provide written reports regarding the overall condition of a piece of equipment?

**YOU BET.**

**Repair & Maintenance**



**Request Service**

