

AHB TOOLING & MACHINERY

MACHINERY CAPABILITIES CATALOG



ERMAKSAN
INNOVATIVE TECHNOLOGIES



AHB

TOOLING & MACHINERY

COMPLETE MANUFACTURING SOLUTIONS
(800) 991-4225 www.ahbinc.com
ISO Certified customerservice@ahbinc.com

MANY OFFERINGS FOR DISPLAY & DEMO IN OUR ROSEVILLE SHOWROOM!



HEAVY DUTY BRAKES



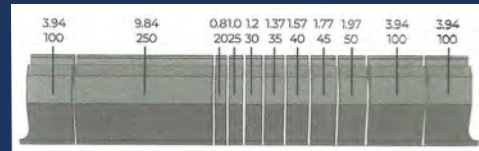
- 1,100 to 3,300 Tons
- Up to 46' SINGLE BEAM!
(Worlds Largest Single Beam Brake!)
- 2,200 Ton x 40' Tandem
- 13,200 Ton x 106' (4 x Tandem)

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 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
- 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, Cybelec or
Erماك Controls

Hardened & Ground
Sectional Top &
Bottom Tools

CNC Motorized
Crowning (Standard)

Side Guards
w/ Switches

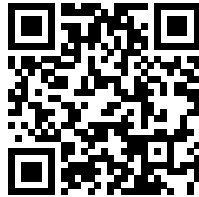
Double Foot Pedal

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

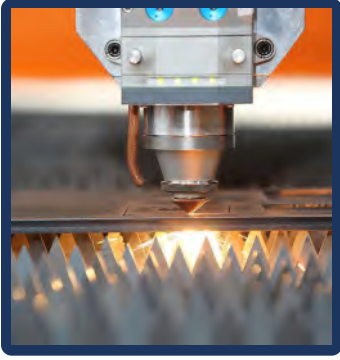
- 66 Ton x 50"
- 4-Axis CNC with Work Table
- Can Sit or Stand
- Adjustable Control Arm
- 2 Sets of Foot Pedals
- Delem DA-58T Control
- 17" O.H. & 11" Stroke
- Tooling Included



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



- 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:

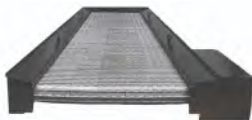
- Dual Shuttles
- Single Table
- End Load
- Side Load
- Bevel Heads
- Tube/Pipe Attachments



STANDARD FEATURES INCLUDE:



Lantek Expert CAD/
CAM Software



Scrap & Small
Parts Conveyor



Precitec Head



Dust Collector
Included

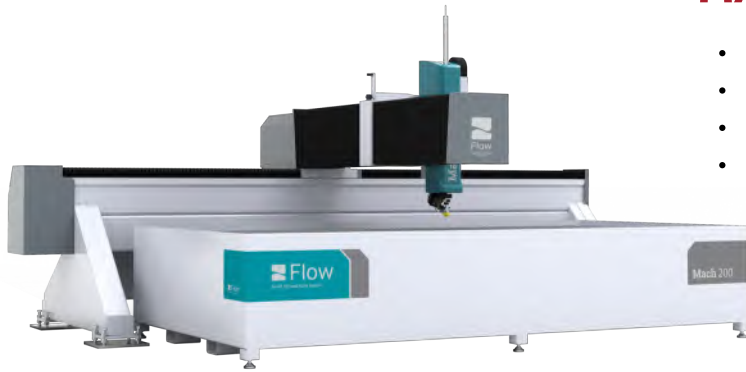


Windows 10
Beckhoff Control
with Live HD TV



MACH 100

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



MACH 500

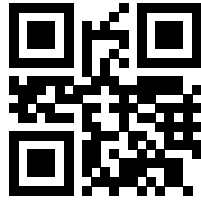
- Rapid Traverse Maximum Up to 700 IPM
- Linear Straightness Accuracy of +/- .0015 in./ft.
- Repeatability of .001 in.
- Configurable with Multiple Cutting Head Options
- Built-In Software Suites Programming



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



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

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



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**



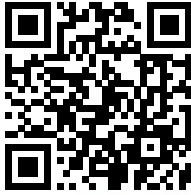
**VERTICAL
COLUMN SAW**



Preventative
Maintenance
Contracts Available

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

Best Cost per
Cut in the
Industry!



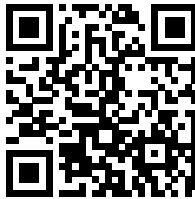
V25 - KING OF VERTICAL SAWS!

- 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



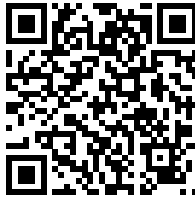
"H" SERIES

- 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



CNC CARBIDE SAWS

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

"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!



MANY OFFERINGS FOR DISPLAY & DEMO IN OUR ROSEVILLE SHOWROOM!



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

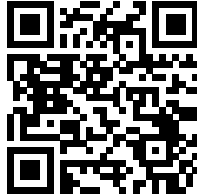
Flatbed lathes to simple 2-axis gang style turning with automation all the way to complex 7-axis mill/turning with main-spindle, sub-spindle, Y-axis, milling turret, and robotic loading and unloading application.

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



Perform hard turning on a small machine footprint.

Tooling holders for BMT live turret.

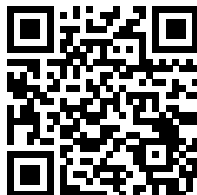


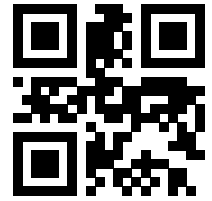
BRIDGE MILLS

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 α Spindle Motor Power 44 HP (33kW),
- Max Torque 141 Ft. Lbs (191Nm)
- Fanuc α 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 ϖ Rotary Table Diameter \varnothing 650x520 mm(\varnothing 25.59" x 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 ϖ 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 α Spindle Motor, Fanuc α 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

JUPITER HORIZONTAL MACHINING - HMC-800P



[View Horizontal Machines Here!](#)



- 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 α 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

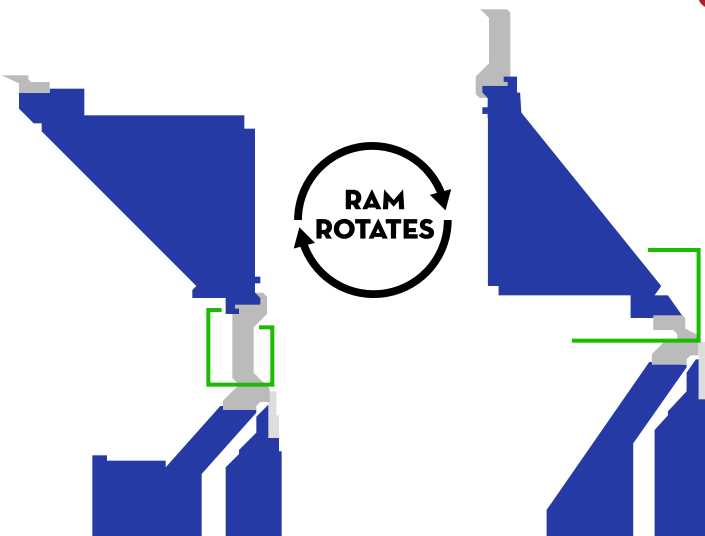
- Cell for Small & Medium Sized Pieces with High Production Capacity
- From 25 Ton x 40" to 110 Ton x 10'
- Unload to Box, Pallet, or Conveyor
- 3 Grippers with 3 Different Sizes
- Can Use Press Brakes Manually Without Robot



ADVANTAGES OF A FOLDER

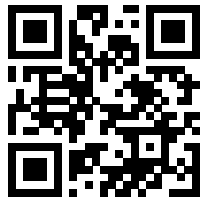
- Material stays flat on the table
- Typically one person operated
- Available in conventional "up" bend and up/down bending (no flipping of parts)
- Large "U"-Shaped & "L"-Shaped Support/Gauging Tables Available

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



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



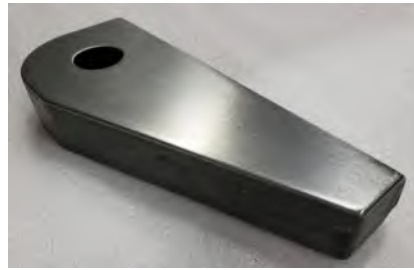


W SERIES

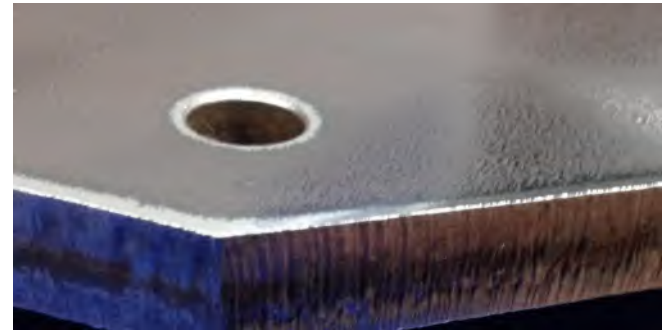
This wet process series combines the heavy duty structure of constant pass-line technology with heavy duty cylinders or brush units. These machines can be equipped with 2 through 5 internal working units!



Wire & Flapper Brushes



Edge Rounding



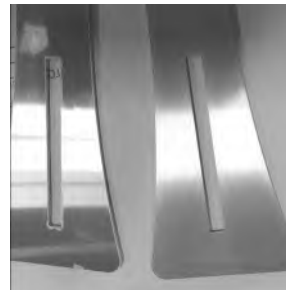
Perimeter, If Desired



Oxide Removal



Non-Directional



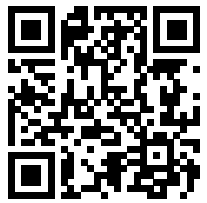
Grain Finishing



Orbital

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

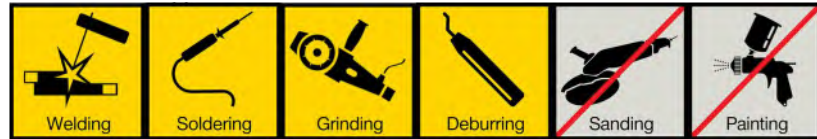




PORTABLE FUME EXTRACTION

- 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.**

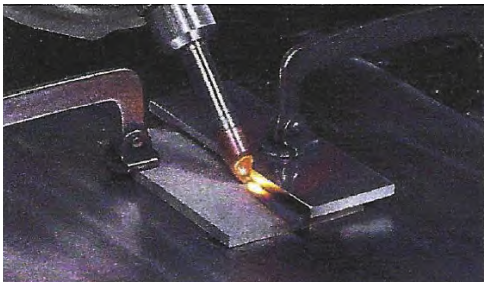


More than a weld table manufacturer, our products provide solutions to challenges and new opportunities your customers are encountering everyday.



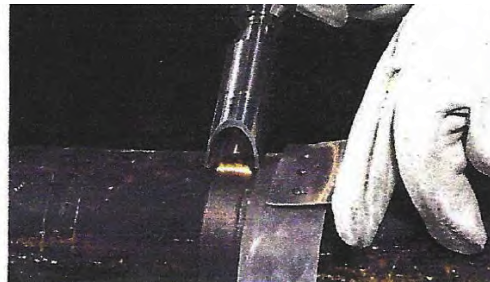
LightWELD™

HANDHELD LASER WELDING & CLEANING SYSTEMS



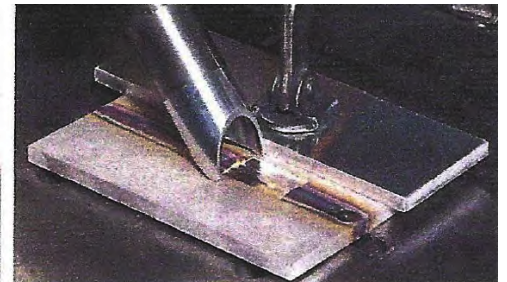
LASER WELDING

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.



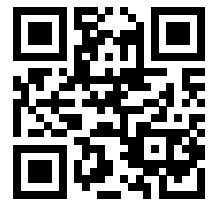
LASER PRE-CLEANING

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)

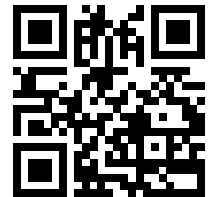


- SUP-600 Non-Ferrous Upcut Saw with Programmable Gauging
- 20" & 24" Dia Blades Available



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!

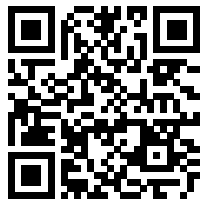


TUBE & PIPE KITS AVAILABLE

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**



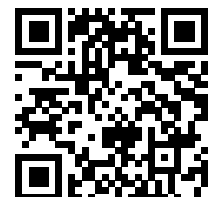
**DUPLEX MILLING -
AUTOMATIC BLOCK
SQUARING**

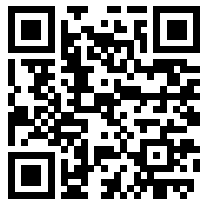


SPARTAN IRONWORKER
Strongest LED Lighting &
Best Stripper in the Industry

- 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**





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

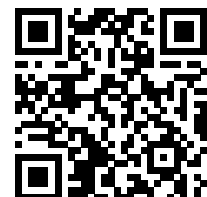
- Auto-Lock feature prevents more than one shelf from opening at a time
- Monorail beam for lifting heavy tools
- Locking enclosure for loss prevention
- Lock-Out feature locks the open shelf in position to prevent it from moving during access

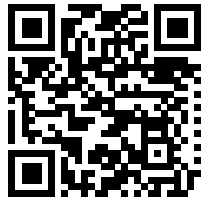


RACK ENG. STOCK RACK

- 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



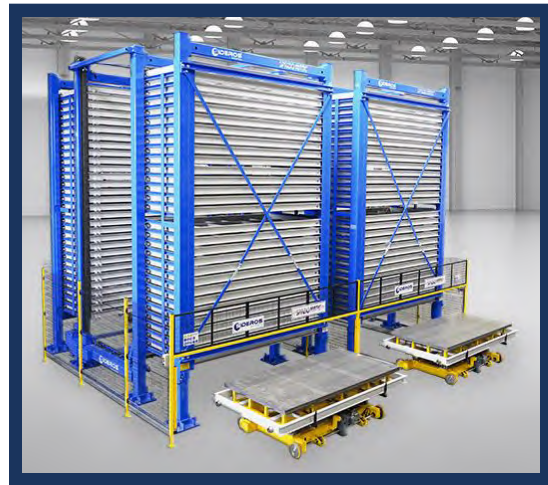
SYNCROLIFT

- 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

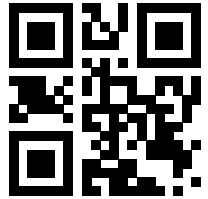


From 10' to 30' Bar/Tube/Extrusions
Up to 11,000 lbs./shelf

- 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



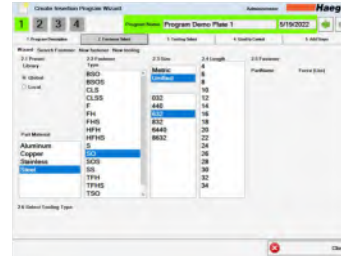
HARDWARE INSERTION PRESS



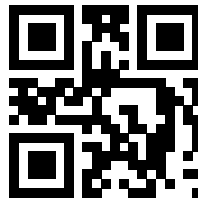
824 ONETOUCH

- 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

- 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

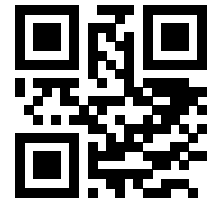
ADF TOP LOAD PARTS WASHER

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



STRUCTURAL & PLATE FABRICATING MACHINERY



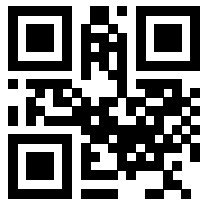
**HI-DEFINITION PLASMA CUTTING
WITH LASER SCANNING**



**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

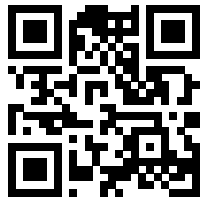
ANGLE & SECTION BENDING ROLLS

- Manual & NC/CNC Controlled
- Angle Capacity up to 10" x 10"
- Sections & Beams up to 12" x 79"





SHEET, PLATE, & ANGLE ROLLS

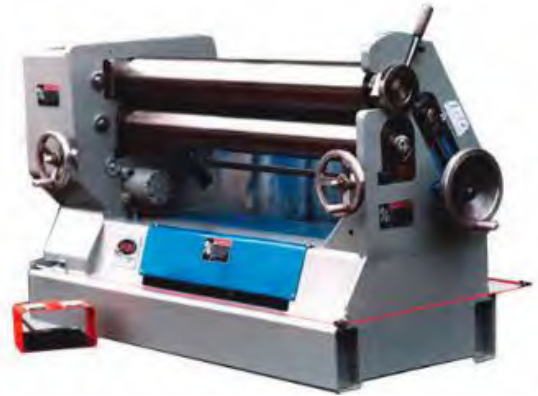


Robust Designs Built for Simplicity & Ease of Service!



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



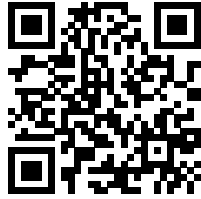
TAPERED CONE MACHINE

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



LARGE PLATE MACHINES

- Pictured: 3" Thick x10' 4-Roll with 29" Top Roll



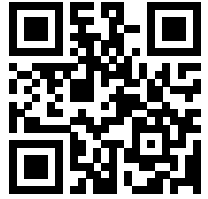
CONVENTIONAL VERTICAL KNEE MILLS

- 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

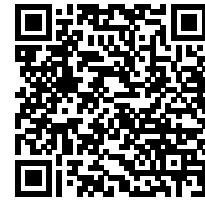
- 6x18 – 16x32 Table Sizes
- 5.9" – 26" Max Grind Size



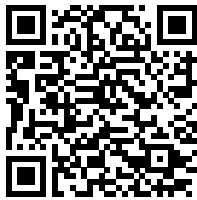


GEARED HEAD & VARIABLE SPEED LATHES

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



View More Lathes Here!



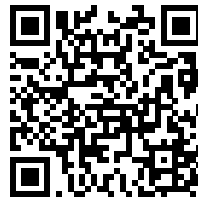
View Surface Grinders Here!



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

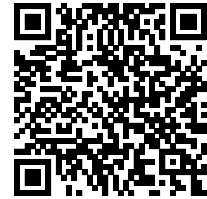
The SludgeMaster combines circulation, filtration and evacuation in a continuous coolant management system.

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.

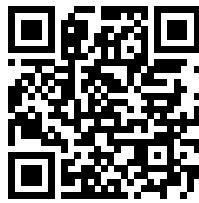


GRS-O3O2-B-CC

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



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

KOOLANT KOOLERS



CHILLER SYSTEMS

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



AEROEX



ROYAL PRODUCTS

MIST & AIR FILTRATION

Absolent



AIR QUALITY ENGINEERING



purified air®

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**

