



Metal Fabrication  
Machines

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Robotics Welding  
Equipment

PRODUCT OVERVIEW



Tampa Technology Center



Atlanta Technology Center

## Our Showrooms

In our Technology Showrooms, you can see more metal fabrication machines and robotic welding machines under power than anywhere else. Our unmatched reputation for service before, during and especially after the sale is the reason why more companies choose the Capital Group than any other machine tool distributor. We urge you to browse through our pages and check out our product lines.

## Service Coverage Area

The Capital Group's service coverage is unequalled in the industry. To ensure that we are able to provide the fastest possible response times, Capital maintains a fleet of service vans, each strategically located to serve our customers as efficiently as possible.

Each service call is treated with the same priority. Whether the machine is in or out of warranty, the Capital Group is committed to a "First Call Fix" program designed to motivate everyone to expedite the repair quickly and effectively.

**Your Trusted Source for Metal Fabrication & Robotic Welding Equipment**

# SERVING OUR CUSTOMERS



Dallas Technology Center



Modern Machinery Center

## Expanding Reach

Allowing us to enhance metal fabrication solutions and deepening our commitment to customer success. The combined strengths of Capital Machine Technologies and Modern Machinery will enable the newly formed entity to offer a comprehensive range of cutting-edge solutions and support to meet the evolving needs of the industry and our customers.



# ACCURPRESS

**Press Brakes From  
25 to 3,000 TONS!**



## ACCELL – U

- ◆ High Accuracy and Repeatability of +/- .0002"
- ◆ Tonnages from 90-3000 Tons
- ◆ Generous open height, stroke and throat
- ◆ Four-point roller bearing guiding system
- ◆ Vision or ETS 3000 CNC Control Systems
- ◆ Material thickness sensing
- ◆ Supreme, Elite, Titan, and Premium Backguage Systems up to 6-Axis
- ◆ Custom configuration options available
- ◆ Manufactured in North America

## Metal Bending Technology For Improved Efficiencies!

- ◆ Interactive touch screen
- ◆ 1st bend accuracy
- ◆ Instantaneous bend sequencing
- ◆ 3D upgrade for instant 3D bend visualization
- ◆ Direct import from Solidworks and Inventor
- ◆ Dynamic part stretch-out
- ◆ ETS 3000 Connectivity

**VISION™**



## Get More Productivity



### ADVANTAGE

#1 Selling press brake in America

High accuracy and repeatability of +/- .0004"

ETS 3000 CNC Control

Premium backgauge system with up to 5-Axis capability

Titan backgauge system with up to 6-Axis capability

Custom configuration option(s) available

### ACCELL – E

- ◆ Accell E is a Dual Servo Y1/Y2 - high performance/value pre-packaged machine
- ◆ Accell E is available in tonnage ranges from 75 thru 500 Tons
- ◆ Servo hydraulic Y1/Y2
- ◆ AccurPress Vision Control
- ◆ Wilson/Wila hydraulic upper clamping
- ◆ CNC Crowning
- ◆ Sheet supports
- ◆ Backgauge systems up to 6-Axis



In tandem mode, two or more Accurpress machines operate as one. In operation, the controllers are electronically coupled together to exchange information on set and actual positions, velocity, job steps and various key positions.

- ◆ Titan Backgauge System is available for heavy bending applications
- ◆ Front and rear gauging available for pole bending applications
- ◆ Special open heights, stroke & throat depths available
- ◆ Available in Tonnages up to 3000 Tons per machine
- ◆ Single machine bed lengths up to 38'
- ◆ Tandems up to 60'



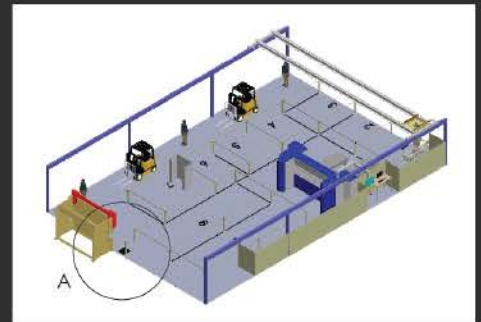


## **ACCURPRESS** OCTOCRANE

Automation for Fully Automated Heavy Part Forming,  
Up & Down Bending

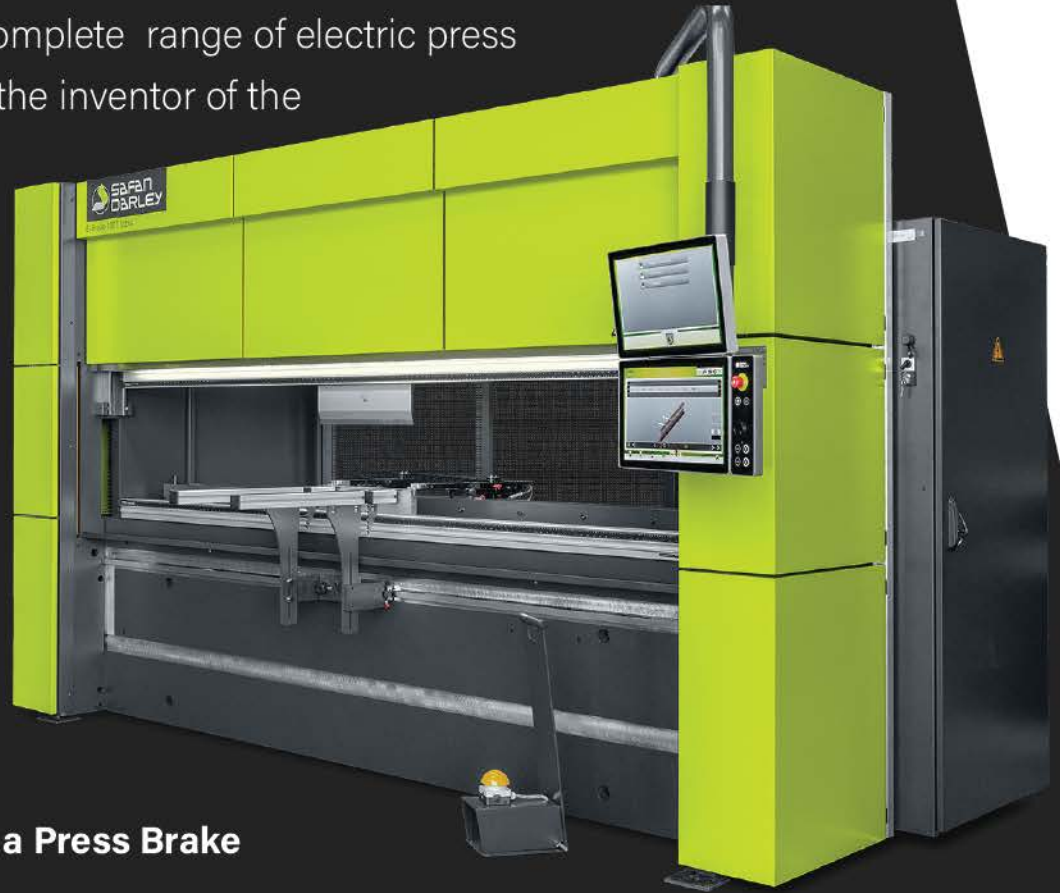
### OctoCrane Capabilities

- ◆ OctoCrane Part Manipulator Mounted on Existing Overhead or New Craneway
- ◆ System Safely Forms Heavy and or Long Parts w/ Up and Down Bends
- ◆ Full Graphical Offline System Programming via SolidWorks/Inventor Plug-In
- ◆ CNC Controlled OctoCrane Capable of:
  - ◆ Part Loading
  - ◆ Part Rotation
  - ◆ Part Removal/Stacking
  - ◆ Forming Assist and Unload
  - ◆ Titan Ally -6 Axis Front and Rear Gripping / Gauging
  - ◆ Rotary Tooling Facilitates Up and Down Forming without need to flip parts





Safan offers the most complete range of electric press brakes in the world. As the inventor of the E-Brake, Safan electric press brakes come in different sizes and configurations with tonnages of **39 to 330 tons** & working lengths from **4' to 13'**



## Everything You Want in a Press Brake

### Fast

The Safan electric press brakes use a new generation of advanced electronics and software to start and stop the bending cycle. In fact, it stops so fast, it can enter a speed change 1mm above the material. It's like flipping a light switch.

### Safe

Unlike other press brakes Safan electric press brakes are designed from the beginning with safety in mind. All Safan electric press brakes feature a light guard that is integrated into the controls. No aftermarket or third party safety systems are needed. In addition, the Safan E-Brake has an additional built-in safety provision. The application of a spring return means that the top beam will always move upwards in the event of a mechanical failure.

### Accurate

The Safan E-Brake is built on an "O" frame design that acts as a single unit keeping deformation to an absolute minimum. It is more stable, stronger and produces less deformation than conventional "C" frame press brakes. The Safan E-Brake was designed with accuracy in mind. The unique, patented roller drive system in the upper beam ensures a uniform and even distribution of forces across the length of the ram. This ensures consistency across your bends.





## E-Brake 35-1250 Ergonomic

- Fastest press brake available in any press brake category
- Ergonomic Package complete with front support table and chair
- Capable of being run without the use of a foot pedal to increase production via Safan's Intergrated Light Curtains

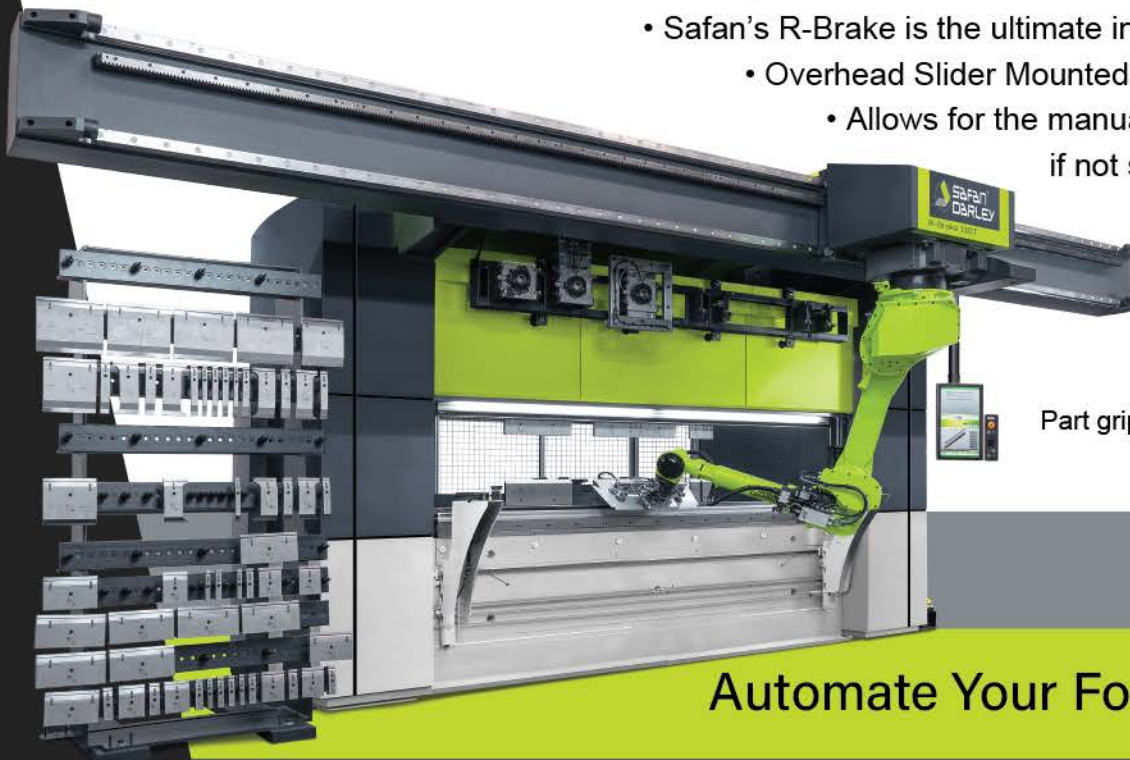
## Automated Mini Cell

- Small Footprint
- Easy Offline
- Tool Changing
- Auto stack Calculation
- Customized to Your Application



## R-Brake 130-3100

- Safan's R-Brake is the ultimate in bending automation
- Overhead Slider Mounted Part Handling Robot
- Allows for the manual production of parts if not suited for automation



## Options:

- Automatic tool changer
- Part gripper exchange magazine

Automate Your Forming Process



## Planer Made Pressbrake Tooling

- ◆ Manual and CNC Bed Crowning devices
- ◆ Adjustable channel lock dies in manual and full CNC configurations
- ◆ Specialty custom punches and dies or single-hit forming tooling



PRESS BRAKE DIES, INC.

Planer Made & Specialty Tooling



## WILA - Precision Quick Change Tooling



- New Standard and American Style Upper and Lower Tooling available in Standard sizes
- Precision Upper Hydraulic Tooling Clamping Systems
- CNC Crowning Systems



# SCHRÖDER GROUP

## MAK4 EVO with ATC



- 100" x 0.312", 127.5" x 1/4", 159" x 0.196, and 198" x 9 gauge capacities
- Bi-directional folding
- Automatic Tool Change (ATC)
- 15.7" tall clamping beam tools
- Gooseneck folding blade tools
- Optional Automatic Handling System (AHS) rotate and gauge parts completely for fully automated bending
- CNC Crowning
- 3D graphic control system
- Up to 20" deep 4-sided box

## PowerBend Professional & Industrial



- 127.5" x 11 ga or 1/4", and 159" x 12 ga or 0.196" capacities
- Bi-directional folding
- Semi-Automatic vacuum gauge system
- Up to 11.8" tall clamping beam tools
- Tool positioning lights
- CNC Crowning



- Unique robustness, reliability and repeat accuracy
- Production of single pieces and prototypes
- Patented, hydraulic Up-and-Down system
- Clamping beam stroke of 650 mm
- Tool positioning display alongside the clamping beam
- Bilateral drives on the clamping and the folding beam achieve extremely fast clamping and folding speeds
- Two touch-panels for easy operation from the front and the rear side of the machine.



## MAV – 3 Roll Variable Axis Bending Machine

- Plate roll series designed to bend thick plates to very tight diameters
- The most versatile design for mid-heavy to super-heavy plates
- Three powered rolls (standard) with three independent hydraulic gearboxes
- Optimizable roll adjustment for any bending application
- Independent adjustment of all three rolls providing exceptional tilting capacity and capabilities
- Hot Rolling feature capable to increase the useful capacity range



## MCA & MCB – 4 Roll Bending Machines

- Full automation and material handling are optional for both models
- Flat plate can be squared, gauged and rolled into a finished part in one handling
- The CNC control greatly increases productivity and requires less operator input
- CNC controls, side supports, overhead supports and other accessories available to increase productivity



**e-POWER**

The first complete line of **full electric** plate rolls

Increased Productivity



Compact Design  
Reduced Maintenance

Unrivalled Precision

**MCP – Angle and Section Bending Machine**

Universal rolls as standard equipment, able to bend the most common sections

Allows the use of most of the existing Roundo tooling (due to the same shafts dimensions)

In-House Engineering Department able to provide custom solutions on request

Three powered rolls (standard) with three independent hydraulic gearboxes on all size machines

Hydraulic guide rolls (standard) with independent 6-Axis hydraulic adjustment on all size machines



Revolutionary CNC control capable of processing MULTI-PASS programs

Powerful and intuitive programming tools turn complex tasks into simple routines

High resolution 3D simulation of workpiece being manufactured by the rolling line

Dedicated Troubleshooting and Maintenance Environment

Dedicated reporting environment and full integration with plant network (MES)

Maximizes Rolling Productivity with



## OPTIPLEX NEO 3015/4220



- Available in powers ranging from 4kW to 20kW and in both 3015 and 4220 format
- The OPTIPLEX NEO is equipped with technology that allows increased control of beam shape and beam diameter
- The machine automatically adjusts beam diameter to optimally cut various materials and beam shape to control the concentration and power density of the laser beam (resulting in improved cut speed & cut quality)
- Equipped with a Nozzle Changer, Nozzle Centering Camera, Camera Assisted Part Nesting, and many other Intelligent Functions



- Affordable laser processing solution ideal for entry-level users designed for high cutting performance for thin to medium material thicknesses
- Available in 4kW and 6kW power levels in both 3015 and 4220 format
- Built on same rock solid castings as our workhorse NEO machines with same control technology

## FT-150 FIBER



- The FT-150 FIBER offers a high-speed cutting & reduced non-cutting process to improve cycle times, resulting in superior productivity with high throughput
- The FT-150 FIBER's proprietary U-Axis offers impressive cutting speeds and superior part accuracy through a wide range of applications
- The programmable angle of the B-Axis enables bevel cutting of the material thickness for improved welding, multi-tube assembly, fit, and finish

## MAZATROL SMOOTH Lx



- Features a widescreen and touch panel for ease of operation.
- Rotating CNC display provides flexibility to work at the front or side of the machine.
- Intelligent functions support operators by ensuring optimal laser-cutting performance.
- Camera Assisted Part Nesting quickly and easily processes additional parts on demand.



Multiple Automation  
Solutions Available

# Peddinghaus

## A True Processing Center

By combining a high-speed drill line with a double miter cut band saw, the Peddi XDM-630 CNC drill saw line executes drilling and sawing in harmony.



Peddi XDM-630

## HSFDB-B

The HSFDB-B CNC plate processor is the high speed solution for heavy plate production. This machine encompasses multiple capabilities, provides greater flexibility and maintains complete control of the quality in finished projects.



Anglemaster-663

Serving as the industry's benchmark for productivity and accuracy, the Anglemaster-663 caters to today's fabricators' need to automate punching, nibbling, shearing and marking for angle and flat bar.

## The Ideal Drill Line for Small to Large Fabricators

## Advantage-2

The Advantage-2 processes an average of 150 tons of steel per work week with the most efficient drilling, milling, scribing, tapping and countersinking operations.



PeddiBot-1200

Specialized torch movements throughout production on the PeddiBot-1200 practically eliminate the need for grinding.





**AVENGER PLUS**  
CNC Multi-Function Drill Line

### OCEAN'S SOLUTIONS

We specialize in providing affordable, compact, and versatile solutions that help structural steel fabricators win more bids.



**BLASTER**  
Shot Blasting System

# FLEX Machine Tools

## UNIQUELY CAPABLE

Mill, Drill, Tap, and so much more with one of the industry's most versatile vertical machining centers. Say goodbye to limited machine space, and start machining outside the box.

Accelerate your productivity by leveraging the power of Pendulum Mode. Load and unload parts without stopping the spindle. Eliminate spindle downtime and lower your cost per part.

### C- SERIES



## NEXT LEVEL PRODUCTIVITY





## MetalMaster 3.0

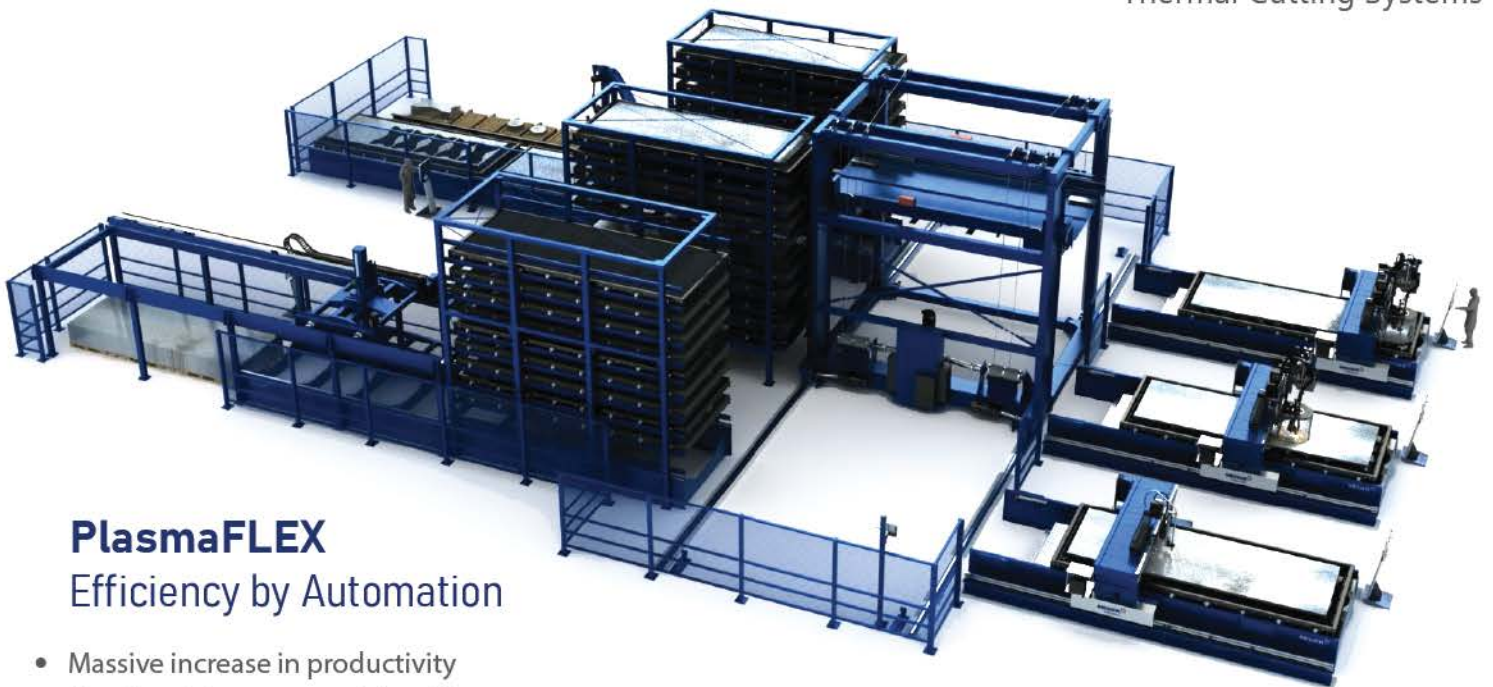
The new and improved low cost plasma and oxyfuel cutting machine.

- Cutting width 5', cutting length 10'.
- Ergonomically designed with stable table construction and integrated pull out buckets and smoke extraction.
- Highly accurate and reliable performance with positioning speeds of up to 114.83 feet (35 meters) per minute.
- Maximum working width with minimum space requirements.
- Twin-sided longitudinal rack and pinion drive.
- Fast and easy installation.
- Integrated guidance.

## MPC2000 MC

- This a plasma machine with milling capability
- The New MPC2000 MC offers superior cut quality in a large gantry format with high accuracy and repeatability
- Enhanced with programmable PL-1 lifters, with powerful AC drives coupled with our Global ControlPlus for maximum production





## PlasmaFLEX

### Efficiency by Automation

- Massive increase in productivity
- Significant improvement in safety
- Plasma or Large Format Fiber Laser
- No dependence on crane or forklift and driver
- Load/Unload, Smart Crane, Tower Storage/Part Sorting
- Modular System which can easily be expanded for multiple machines

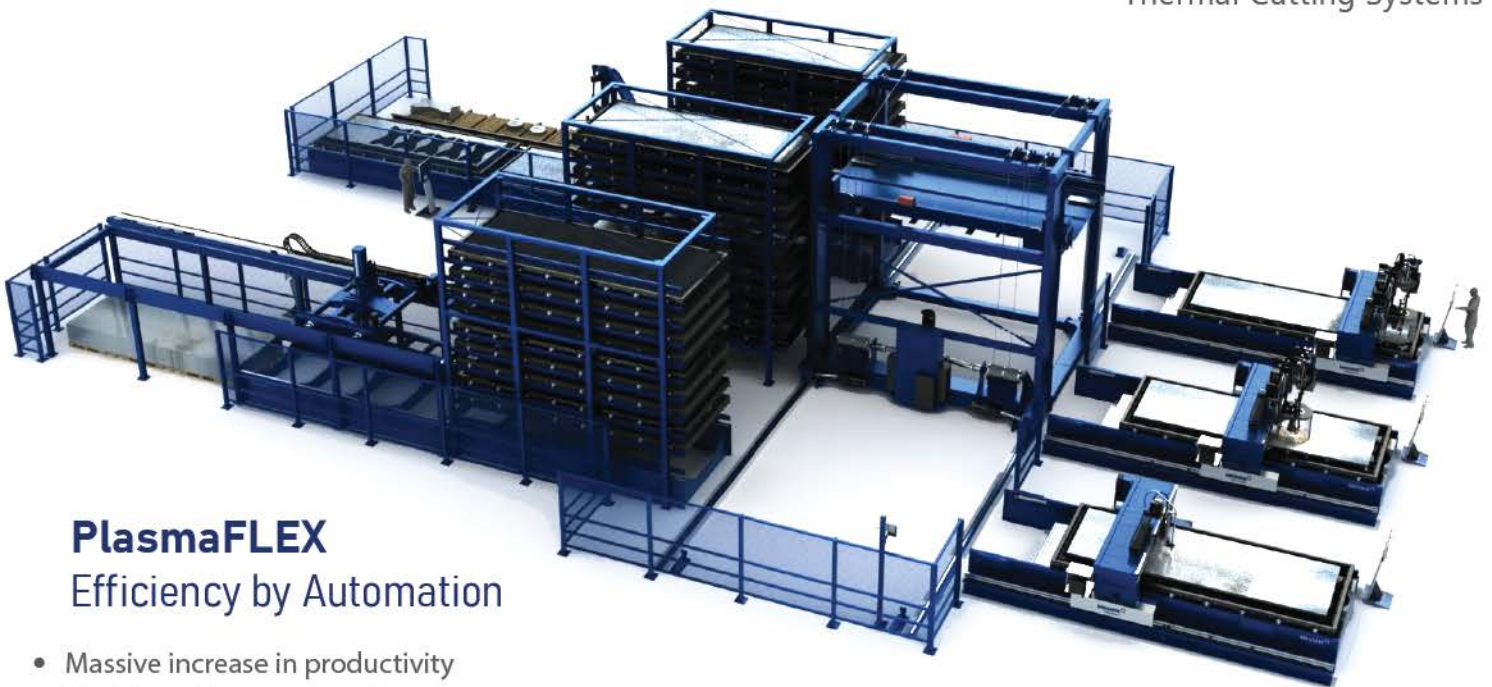
## MetalMaster Evolution

### Created to Revolutionize Plate Processing

The MetalMaster Evolution® is a feature-rich plasma cutting machine, offering smooth edge quality, precise hole cutting, and high accuracy.

With high-quality components and the strictest assembly and testing methods within the marketplace, the MetalMaster Evolution® will take your shop to the next level





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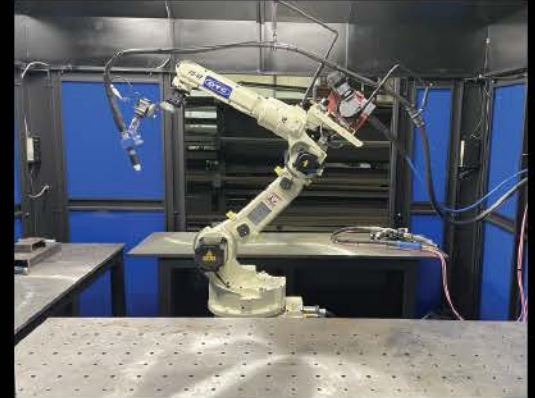


## Unique Details Compared to the Competition

- ⚡ Capital Robotics offers an array of pre-packaged cell configurations that are flexible
- ⚡ The modular design allows the system to grow as your applications grow

## Benefits of Investing in a Fusion Arc

- ⚡ Common-base platform houses arm, welder, controller and peripheral items
- ⚡ Optimizes work envelope for each robotic manipulator
- ⚡ Fixture mounting options allow for high mix/low volume applications
- ⚡ Most systems can be powered up within hours
- ⚡ Allows for relocation without reprogramming



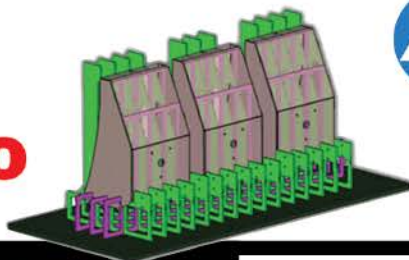


The Leading Provider of Robotic Welding Technology in the South



Our Robotics Technology & Training Centers are located in Atlanta, Georgia and Dallas, TX, providing experienced Welding Engineers, Applications Engineers, Service Engineers, robotic weld cells, on-site training classes, and an abundant inventory of robotic welding parts & consumables to the welding market.

In order to deliver world-class service, we have partnered with internationally recognized leaders of advanced welding and robotic systems such as:



**Automated Rapid Weld Fixture/Crating Design**

Nucleo Fixture creates an interlocked grid of X and Y fixture blades connected to a mating base plate from an imported solid CAD model. The top profile of each X or Y blade matches the underside of the component at the blade's insertion position, creating a "cradle" into which the component is located. Compared to traditional fixture costs, Nucleo Fixture results in enough overall savings to pay for itself within a small number of fixture runs.



# ACCUR SHEAR



- Shear capacity up to 1" steel 80,000 tensile and 44,000 yield strength
- Backgauge control includes LED display, inch or metric conversion, go-to-position function, 99 pre-select programs, hour meter and stroke counter
- 36" backgauge travel with automatic swing up backstop at full extension
- 4-edged blades, top and bottom, modified high carbon, high chrome

## EUROMAC<sup>®</sup> punching & bending machines

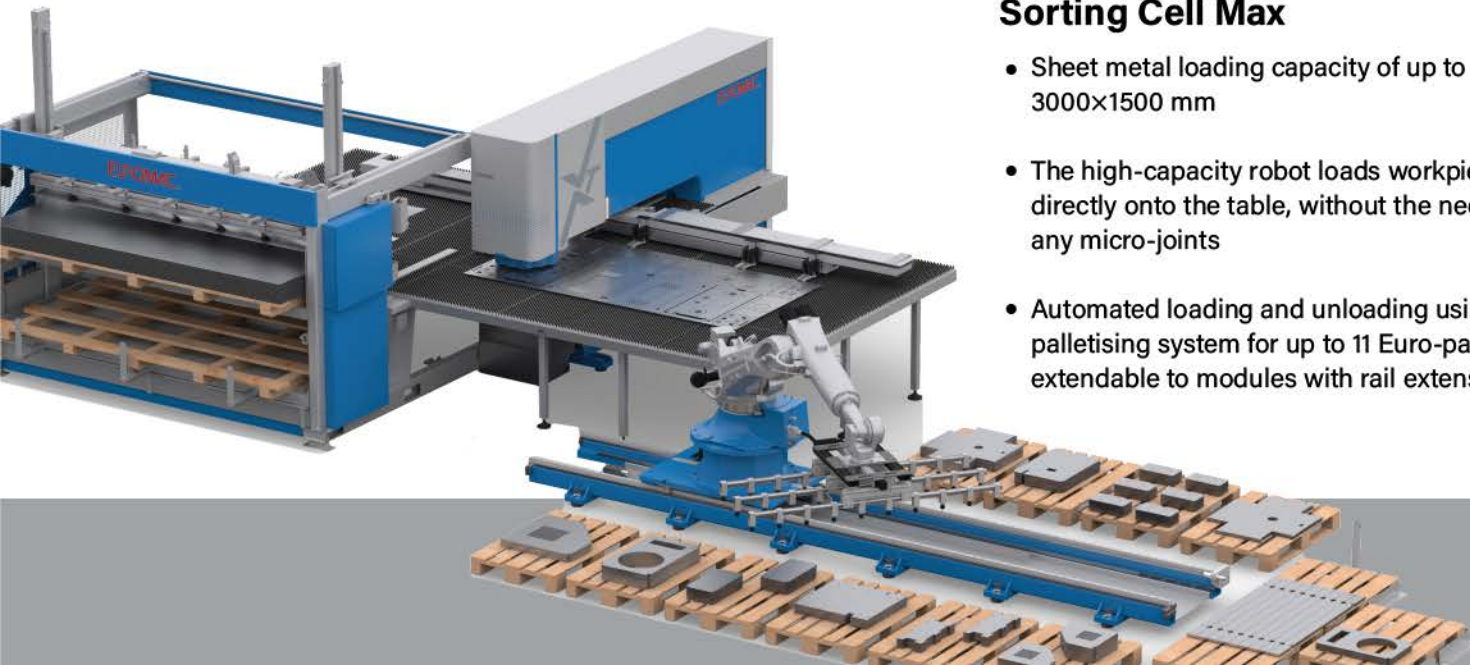
### EUROMAC XT

- Fully configurable, hydraulic, hybrid, electric, up to 66 tools
- Working area of 120" x 60" without repositioning
- Up to 1080 strokes per minute for nibbling 1 mm pitch
- Up to 460 strokes per minute for punching 20 mm pitch



### Sorting Cell Max

- Sheet metal loading capacity of up to 3000x1500 mm
- The high-capacity robot loads workpieces directly onto the table, without the need for any micro-joints
- Automated loading and unloading using a palletising system for up to 11 Euro-pallets, extendable to modules with rail extensions





### Rotary Brush 32 & 42 Series

- Low tooling costs and very low energy consumption
- Single or Dual Drum and 4-8 Brushes depending on model
- For the removal of burrs on laser, waterjet and punched/formed products
- Preliminary removal of large burrs & finishing of surfaces in one pass
- Most Effective Edge Rounding Technology in the Industry



### Hammerhead/Slag Grinders

- Hammerhead slag grinder now available in 37" & 52" widths
- Hammerhead machine is now available in four configurations
- Frequency controlled drive
- Eliminates grinding
- Reduces dust inhalation and carpal tunnel in employees





**PAT MOONEY SAWS**  
75 YEARS OF INNOVATION



## High Production Saws Aluminium Upcut Saws

Pat Mooney offers a wide variety of saws and machining centers for you to produce quality parts. We can configure a variety of set-ups to solve your manufacturing requirements.

- Sawing & Drilling Machines
- Framing & Notching Saws
- Double Head Saws
- Automatic Saws
- Plate Saws
- Band Saws



## Profile Machining Centers

- Aluminum Profile Machining Center
- Steel Profile Machining Center
- Automatic Drilling Center
- 3-Axis CNC Vertical Drilling Center





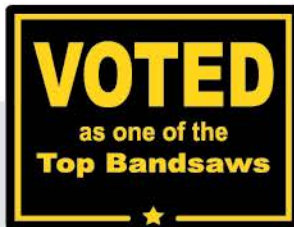
S-Series

S-Series Versatile manual, semi-automatic, and fully automatic bandsaws w/mitering capabilities for general fabrication processing

M-Series Automatic mitering bandsaw up to 60 degrees w/large capacity for heavy fabrication and structural steel processing

V-Series Vertical saws capable of double mitering up to 60 degrees w/automatic mitering

H-Series double column bandsaws for high precision, high production, and for heavy solids, bar, and structural processing



V-Series

M-Series



H-Series





# SERVING OUR CUSTOMERS



The Capital Group is committed to providing **“Value-Added” services** to every machine we recommend. Our ability to provide **Factory-Trained, Professional Service Engineers** and Customer Service Representatives to our customers is paramount to our mission.



36 Technicians across 16 States



Strategically positioned throughout 16 states we provide the best service possible in a timely manner. **Capital also incorporates a “First-Call-Fix” incentive program that maximizes efficiency of our entire service team.** With many of our members logging **over 15 years** in the field, you can rest assure your equipment will receive quality knowledge and workmanship to keep your business productive.





# Working OX Capital



With more than a half-century of experience and innovation, we at Working Ox have made it our mission to help manufacturers get what they need to start and grow their businesses. Because we deal exclusively in machine tools and other manufacturing equipment, we understand your leasing and financing needs better than any bank.

Things to consider	Lease Financing	Cash Purchase	Bank Loan
Yearly reporting of tax returns, personal financial statements, time consuming reports and probing questions?	X	X	✓
Approval for financing in one day?	✓	X	X
Simple single page credit application only?***	✓	X	X
Match payments to current cash flow?	✓	X	X
Deduct all or most monthly payments from taxable income?	✓	X	X
Acquire equipment without a substantial outlay?	✓	X	X
Delay payments until after the equipment begins to pay off?	✓	X	X
Avoid affecting lines of credit?	✓	X	X
Meet vendors progress payment requirements	✓	X	X
Easy trade-in of existing equipment for new technology or capacity?	✓	X	X

\*\* Companies in business for a minimum of 5 years.

Why use **YOUR** money when you can have access to **OURS**?



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North America's Largest Distributor of Metal Fabrication & Robotic Welding Equipment