



FOR OVER



DELIVERING BEST IN CLASS

Metal Fabrication



Robotic Integration



Customer Service



Training



Capital
machine®

The South's Leading Distributor of Fabrication
and Robotic Welding Equipment | RESOURCE GUIDE

Service Milestones



Capital's first
Service Engineer,
Lyle Loher

Service Staff
expands to 3

Service Staff
expands to 4

Service Staff
expands to 5

Service Staff
expands to 7

Service Staff
expands to 10

Service Staff
expands to 14

Service Staff
expands to 19

Service Staff
expands to 26

CMT Milestones

Capital
Machine Technologies
(CMT) founded

Capital expands to

Capital expands to

Capital moves to new Tampa headquarters
& Capital Robotics is launched; a
wholly-owned subsidiary for
Robotic Welding

Capital expands to

Capital opens new Showroom
in Dallas, TX

Capital opens new Showroom
in Atlanta, GA

Capital expands to Arkansas

Capital begins offering limited
products in the Carolinas

Capital Robotics introduces
3rd generation of Fusion Arc
Robotic Welding Cells

Capital expands sales & service
staffs to the Carolinas and Virginia

Florida

Georgia

Tennessee

Mississippi

Alabama



Texas

Louisiana

Oklahoma

Arkansas



Virginia

S. Carolina

N. Carolina

Capital gives you options, control, and support. We give you the “Capital Advantage.”

In 1984, Capital Machine Technologies, Inc. (CMT) was established in Tampa, FL and founded on the concept of helping clients produce tomorrow's quality products in today's competitive global marketplace. Our operations have since expanded to service the entire southern U.S. with additional showrooms in Atlanta, GA and Dallas, TX.

Our List of Services Includes:

- Preventive Maintenance & Repair Services
- Installation Supervision
- Operator Training & Programming Training



All of our technicians are factory-trained, full-time (not part-time or contracted), employees. We back the innovation of our world-class machine builders with personalized service and support. By having our staff of 26 service engineers strategically placed throughout the region, Capital Machine provides more service and support than any other vendor.

Capital offers substantial advantages over all competitors. We have the “**advantage**” to handpick partnerships with many of the world's top leading machine builders.



FOR OVER



DELIVERING BEST IN CLASS

Service





VISION™

The Press Brake Control That's Revolutionizing Metal Bending Technology!



- 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



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 Backgauge Systems up to 6-Axis
- Custom configuration options available
- Manufactured in North America



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

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 available



ETS 3000 Version 8

- Full touch screen control
- Ease of operation with Intuitive Control
- Unlimited program storage
- Auto Bend Sequencing and Auto Tool Select
- 17" Screen with up to Programmable 6-Axis Control
- Optional 2D and 3D offline programming with Vision 3D offline software upgrade





ACCELL – High Tonnage



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.

- Available in Tonnages up to 3000 Tons per machine
- Single machine bed lengths up to 38'
- Tandems up to 60'

- Special open heights, stroke & throat depths available
- Front and rear gauging available for pole bending applications
- Titan Backgauge System is available for heavy bending applications

Accell HT is a Servo Hydraulic High Tonnage Range of machine from 650 Ton-3000 Tons. Available with a high level of customization for customer requirements.

Heavy Plate Forming Applications – such as shipyards, monopole industry, heavy equipment manufacturers and steel service centers.

Options specific to heavy forming such as:

- Heavy Duty Titan 6-Axis Back Gauges
- Titan sheet followers (1,500 lbs. per part lifting ability)
- Fully automated lower channel-lock die blocks for quick lower tool changing

1250 TON ACCELL HT C/W DUAL TITAN SHEET FOLLOWERS



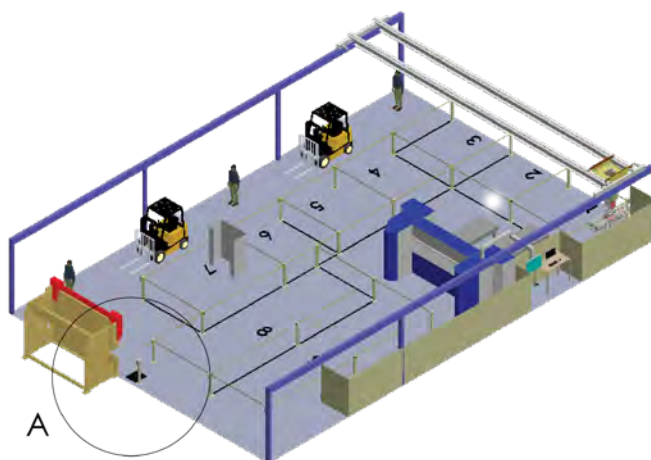
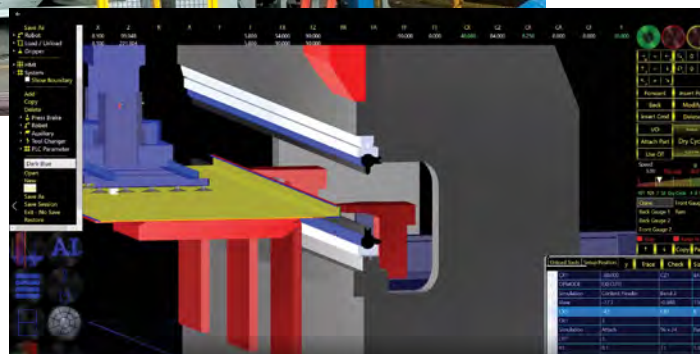
ACCURPRESS OCTOCRANE

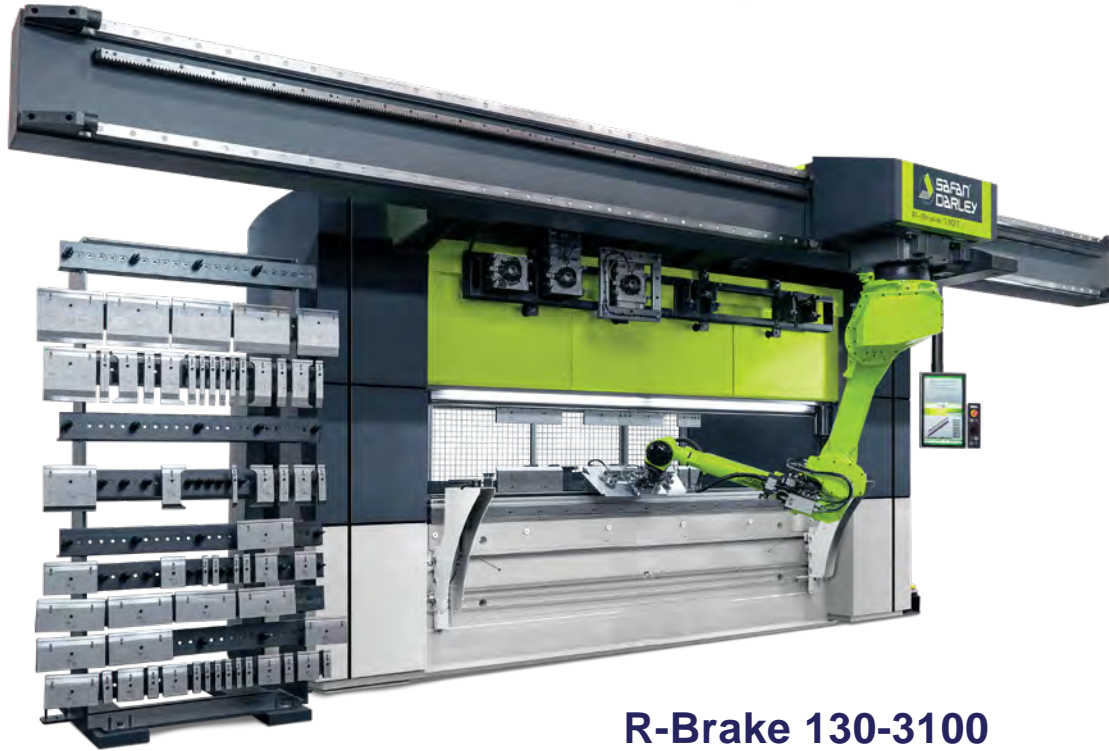
Automation for Fully Automated Heavy Part Forming w/ Up and Down Bending



AccurPress 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





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
- Optional - Automatic tool changer
- Optional - Part gripper exchange magazine

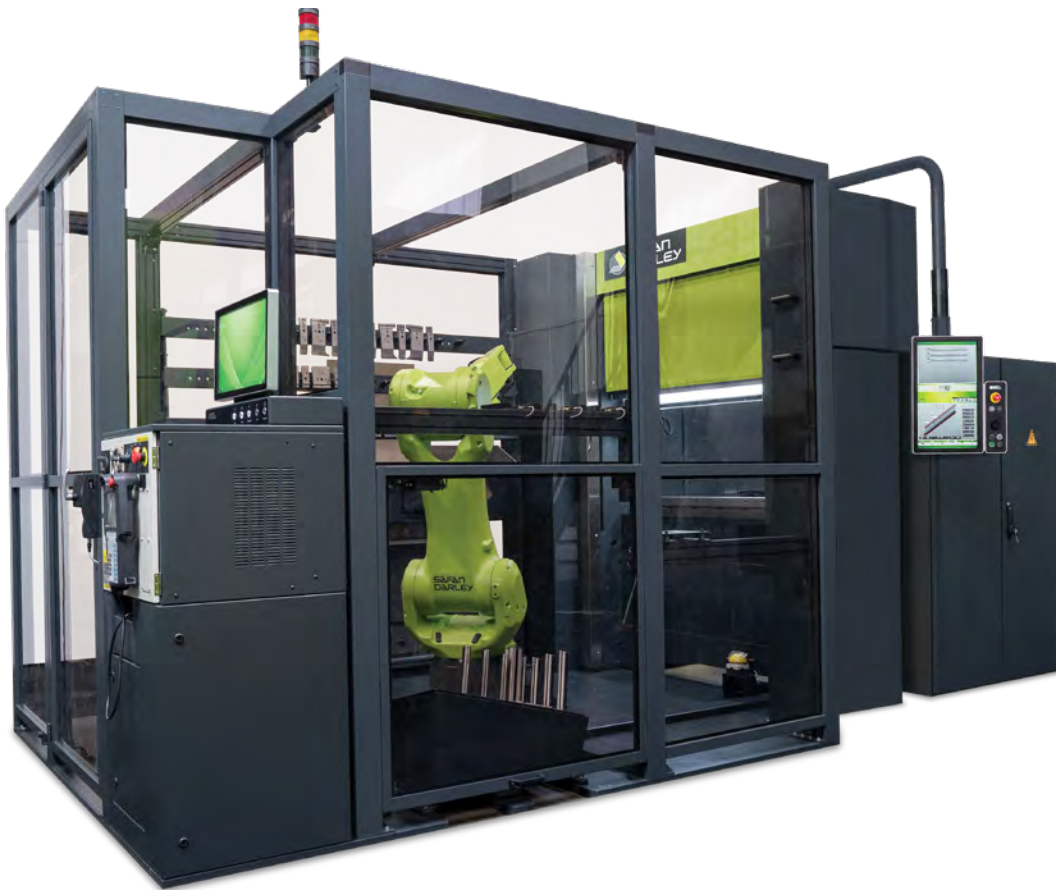


E-Brake 35-1250 Ergonomic

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

SafanDarley Mini Cell

The E-Brake Mini Cell is equipped with the latest type of FANUC robot with a handling weight of 20 kg, a supply station for four product stacks, a delivery station and a discharge chute. This fully automatic press brake is characterized by its compactness. Optionally, the E-Brake Mini Cell can be equipped with automatic tool change function. This makes it possible to switch quickly between different products.



Highlights of the SafanDarley Mini Cell

- 100% servo electronic
- Fully automatic bending cell
- No harmful hydraulic oil
- Noiseless operation
- Up to 50% energy saving
- User friendly touch screen control
- Small footprint
- Easy offline programming
- Automatic Tool Changer (ATC)
- Automatic stack calculation
- 12.5kg product handling by 25kg robot
- Customise with standard options
- Possible to retrofit all options at any time
- Automatic Part Gripper Changer

SCHRÖDER GROUP



MAK4 EVO with ATC

- 100" x 0.312", 127.5" x ¼", 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 ¼", 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



ACCURPRESS

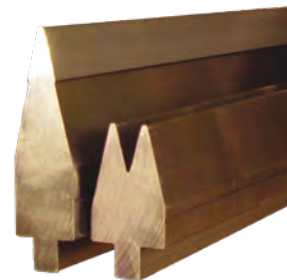


Planer Made Pressbrake Tooling

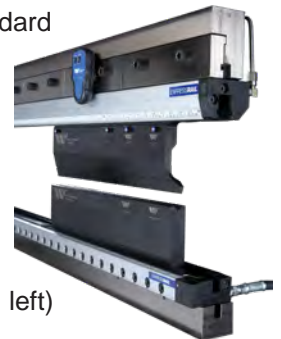
- Manual and CNC Bed Crowning devices
- Adjustable channel lock dies in manual and full CNC configurations
- Specialty custom punches and dies or single-hit forming tooling



- Planer Made press brake tooling
- Specialty Tooling



- WT & American Style tooling in a wide selection of standard profiles & specials
- Special nose radius or special tool geometries are available with short manufacturing lead times
- Wilson express 1000 and 2000 upper hydraulic clamping and CNC Crowning Systems
- V-Series Black dies for easier to produce small flanges, small bend radii, and bends closer to holes (pictured on left)



Precision Quick Change Tooling

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



NEW – “Control System of the Future” Maximizes Rolling Productivity

DAVI is proud to introduce the NEW STANDARD for CNC controls in the PLATE ROLL market.

Utilizing advanced unique features to improve ease of use and accuracy combined with full IoT (Industry 4.0) capability and artificial intelligence, the iRoll Extreme takes rolling to a new level!



- 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)

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





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

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





OPTIPLEX 3015 NEO 15kW

- The OPTIPLEX 3015 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 and cut quality for a wide range of materials)
- Mazak's OPTIPLEX 3015 NEO is equipped with a Nozzle Changer, Nozzle Centering Camera, Camera Assisted Part Nesting, and many other Intelligent Functions
- The Nozzle Centering camera provides visibility of nozzle location while adjustments are made on the torch

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



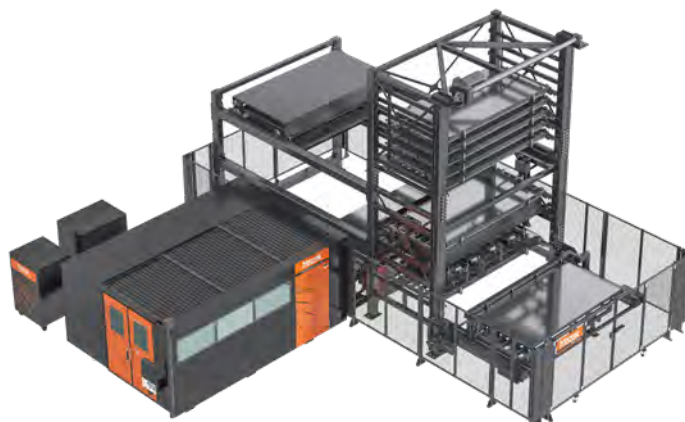


OPTIPLEX NEXUS 3015 FIBER S7

- Designed with revolutionary Variable Beam Parameter Product (V-BPP) technology which better controls the laser beam and delivers faster cutting speeds and superior edge quality
- Large side access door and flexible design that includes an automated 2 pallet design
- OPTIPLEX NEXUS FIBER S7 is available in a 7.0kW configuration
- V-BPP enables OPTIPLEX NEXUS FIBER S7 users to select from high-intensity, small-spot-size beam to large, donut-shaped beams, and everything in between



Multiple Automation Solutions Available





OPTIMAX 80X JetMachining Centers

- IntelliMAX premium software, designed for incredible ease of use and operation quickly following installation
- IntelliVISOR console with key metrics to optimize operations and complete system monitoring that helps avoid unplanned downtime
- EnduroMAX pump that automatically sets the correct pressure and minimizes fluctuations to improve component life, while offering the most efficient waterjet pump technology in the market
- IntelliTRAX drive system with advanced motion control for further increased system robustness and reliability. Virtually no maintenance is required compared to more conventional ball screw and rack and pinion drive systems
- New garnet delivery system to further minimize downtime

EnduroMAX Pump Technology

- Available in 30, 40, 50 & 100 Horsepower
- Delivers 30% more horsepower to the cutting head compared to the intensifier design
- Variable Frequency Drive eliminates in-rush current peaks and maximizes operating Flexibility
- Lower maintenance, consumable and energy costs compared to intensifier technology



100 HP Option



MAXIEM

- Taper compensating, 5-Axis cutting is driven by our patented Intelli-TRAX linear drive
- Our MAXIEM pump delivers proven performance and compatible accessories that can expand your abrasive waterjet capabilities
- The advanced Intelli-MAX standard software ensures all operators drive efficient cutting operations

Cutting Head & Accessory Technology



Tilt-A-Jet

- The industry standard for abrasive waterjet taper compensation
- Faster cutting of high precision taper free parts
- Automatic taper elimination without any programming



A-Jet

- Cutting angle ranges from 0° to 60°
- Features a fixed focal point design
- Easily creates countersinks & weld-ready edges
- Minimizes taper on finished parts



Rotary Axis

- Fully submersible 6-Axis rotary cutting
- Features internal threads, flanges and locating shoulders
- Opens up more design capabilities
- No heat-affected zones when cutting metal materials



MetalMaster Evolution

The MetalMaster Evolution meets the needs of a modern fabrication shop saving costly secondary operations downstream.

- Unitized table and gantry cutting machine that is capable of supporting multiple processes including plasma bevel cutting
- The Slagger® Self-Cleaning Zoned and Ducted Dry Exhaust Table comes standard on this machine
- Cutting widths: 6', 8' and 10', lengths: from 10' to 50' in 5' increments
- Available processes include: Plasma and Oxyfuel Cutting, Plasma Bevel Cutting, Drilling up to 3/8" and so much more

MPC2000 MC

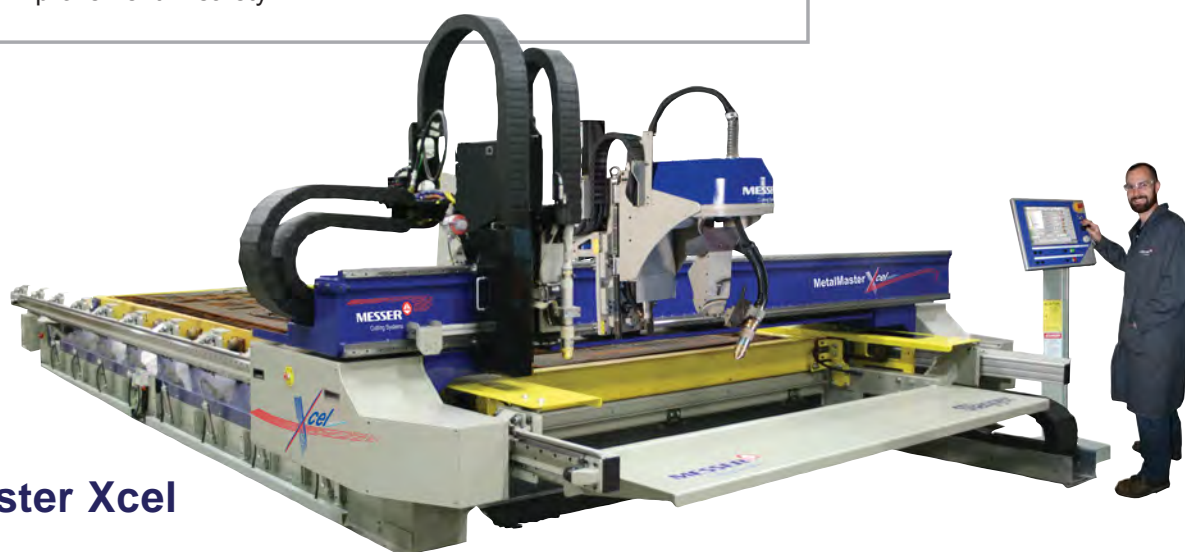
- This is a plasma machine with milling capability
- The New MPC2000 MC offers superior cut quality in a large gantry format with high accuracy and repeatability
- Enhanced with programmable PL-1 lifters, with powerful AC drives coupled with our Global Control^{Plus} for maximum production





PlasmaFlex Automation

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



MetalMaster Xcel

The MetalMaster Xcel is a unitized table and gantry cutting machine that utilizes a combination of high-definition plasma & fiber laser.

- Ultra High speed plasma & fiber laser combination cutting machine
- Traversing Speeds of 3000 IPM
- Cutting widths: 6', 8' and 10', lengths: from 10' to 50' in 5' increments
- Material handling (optional)
- Slagger® Self-Cleaning Zoned and Ducted Dry Exhaust Table is standard
- Available Processes Include: Precision Plasma, Fiber Laser up to 10kW and so much more



The Leading Provider of Robotic Welding Technology in the South



Capital Robotics is wholly owned by Capital Machine Technologies, Inc. and is 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:

- Yaskawa Motoman
- OTC-Daihen
- Miller

Having such strong partnerships enables Capital to provide our customers with cost-effective solutions on best-in-class arms, manipulators and power sources.

We're so confident in our partner's offerings that we use their products in our exclusive line of welding cells, labeled as Fusion Arc.



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.





Fusion Arc Offers 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

The 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 within minutes without reprogramming





HC10XP Collaborative Robot with Hand-Guided Teaching

- Simple and easy to program, enabling the operator to quickly perform part changeovers
- The HC10XP allows hand-guided programming
- Power and force limiting technology is used to protect the worker from potentially harmful contact situations
- Available with Smart Pendant featuring Smart Frame technology
- Available with Yaskawa's ultra-compact, yet powerful, YRC1000mirco controller. A 120 VAC, single-phase option is available



HC10XP



ELECTRO-MATIC
a SunSource Company

Electro-Matic leverages the value of emerging technologies by developing practical applications for industrial, commercial, and retail markets.

As a technology company, ELECTRO-MATIC's customers enjoy the benefit of a supplier partner intently focused on delivering strong value-for-value relationships while turning innovation into value.

- Yaskawa's manipulator partnered with today's latest welding technologies, help with the reduced welding labor shortage
- Various Welding modes allow a more versatile system
- Collaborative programming through reach-and-teach mode



ELECTRO-MATIC has integrated the Yaskawa HC10XP Collaborative Robot into a system that makes it convenient to use and easy to position anywhere on your shop floor.

Flex MachineTools

FlexCNC C-Series

The FlexCNC is the best priced and most flexible vertical machining center in the world. The FlexCNC C-Series cantilever-style vertical machining center ranges in size from 10' to 50' long. In addition to our standard sizes, we design and build custom machines to suit your needs.

- Capable of high-speed drilling and milling of your large parts in one setup with less repositioning
- It is available in two different spindle tapers; CT/BT40, with a maximum torque output of 92 ft/lbs
- The C-Series features a monobloc, welded steel frame with high rigidity, and a T-slot machine bed for easy fixturing
- The machine is moved along two oversized precision linear guideways on each axis and it includes dual drive on the X-axis with a high precision helical rack and an oversized ball screw on the Y & Z-axis



EXPERIENCE *FLEXIBILITY*

*Flex's motion control system is the most state-of-the-art CNC controller available, giving you the capability and *Flexibility* for your machining applications, large and small.*

FlexCNC G-Series

The FlexCNC is the best-priced and most flexible vertical machining center in the world. The FlexCNC G-Series is a gantry-style vertical machining center that ranges in size from 10' to 50' long. In addition to our standard sizes, we design and build custom machines to suit your needs.

- Capable of high-speed drilling and milling of your large parts in one setup with less repositioning
- It is available in four different spindle tapers; CT/BT40, CT/BT50, with a maximum peak torque capability of 220 ft/lbs
- The G-Series features a monobloc, welded steel frame with high rigidity, and a T-slot machine bed for easy fixturing, 230 ft/lbs
- The machine is moved along two oversized precision linear guideways on each axis, and it includes a dual drive on the X-axis with a high precision helical rack and an oversized ball screw on the Y & Z-axis



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[®]

punching & bending machines

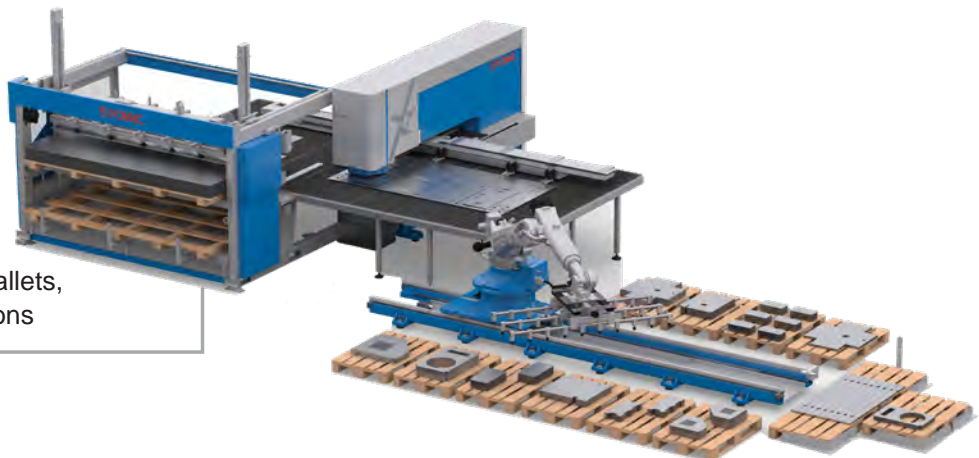
NEW EUROMAC XT

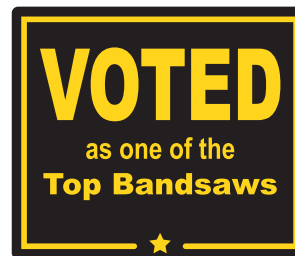
- Fully configurable, hydraulic, hybrid, electric, 6 or 12 turret machine
- Working area of 120" x 60" without repositioning
- Up to 1080 strokes per minute for nibbling 1 mm pitch
- Up to 460 strokes per minute for punching 20 mm pitch



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





by Metal Center News

- S-Series – Versatile manual, semi-automatic, and fully automatic bandsaws w/mitering capabilities for general fabrication processing
- V-Series – New 2022 Products – V21-26APC Fully Automatic Vertical Saw w/60 Degree Left & Right Mitering Capability. New design of the V-18 now comes in with 45 or 60 Degree Mitering Capabilities
- M- Series – Automatic mitering bandsaw up to 60 degrees w/large capacity for heavy fabrication and structural steel processing
- H- Series – Double column bandsaws for high precision, high production, and for heavy solids, bar, & structural processing; equipped with new controls.
- CSNC- Series – Designed for medium to high production runs with several safety features that allow one operator to run several machines



S-Series



M-Series



V-Series



CSNC-Series



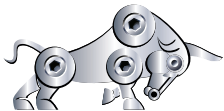
H-Series
with updated controls



AMADA MARVEL, INC.

SERIES 2150A-PC3S-60

- Auto-indexing Band Saw with 1.5" blade, cutting capacity of 20" x 25" and fully electric tilt mitering up to 60 degrees left and right
- PC3 Programmable Control that offers graphical part programming with memory for up to 500 jobs and parts, as well as a material selection chart and customizable material library
- NEW Offline Software allows customers to fully program PC3 controlled bandsaws offline and adds additional nesting optimization to help reduce scrap



**WORKING
OX
CAPITAL**

Equipment Leasing and Finance

Over Fifty Years of Combined Professional Experience

To make dollars and sense of the benefits we offer you, visit our website: www.workingoxcapital.com.

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

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



Rotary Brush 32 & 42 Series

- Single or Dual Drum and 4-8 Brushes depending on model
- For the removal of burrs on laser, waterjet and punched/formed products
- Low tooling costs and very low energy consumption
- 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

Open Architecture Software to Bring All of Your Processes Together



Tampa Technology Center
911 US Highway 301 South
Tampa, FL 33619



Atlanta Technology Center
2964 Northeast Pkwy N.E.
Atlanta, GA 30360



Dallas Technology Center
13710 Omega Road
Dallas, TX 75244

Please visit online at www.capitalmachine.com or www.capitalrobotics.com

Call us toll-free at 1-800-635-7777



Since 1984, Capital Machine Technologies (CMT), Inc. has been committed to delivering the latest technologically advanced metal fabrication equipment to its client base of job shops and manufacturers. CMT has a broad range of new machines and Robotic Welding systems under power to provide you a live demonstration in person or remotely from the comfort of your own computer monitor. Capital Machine Technologies is a privately owned company in Tampa, FL.