

# MACHITECH

AUTOMATED CUTTING  
SOLUTIONS





Welcome to Machitech, the leading manufacturer of industrial cutting solutions. With over 20 years of experience and 2,000+ installations, we specialize in delivering reliable plasma, fiber laser, robotic cutting systems and much more.

We're committed to innovation and customer satisfaction, offering tailored solutions and dedicated support to meet your specific needs. Discover how our focus on quality and service sets us apart in the industry.

**Choose reliability. Choose Machitech.**



# THE MACHITECH EXPERIENCE

Discover how  
Machitech  
transforms your  
operations -  
elevating your  
productivity  
to new heights.

1

**DESIGNED  
TO YOUR  
SPECIFICATIONS**

2

**ON-SITE  
INSTALLATION  
AND TRAINING**

3

**PEACE OF MIND  
SUPPORT**

Learn more  
about the  
complete  
Machitech  
experience

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# YOUR PARTNER FOR AUTOMATED CUTTING SOLUTIONS



2,000+  
SYSTEMS  
INSTALLED

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# PLASMA CUTTING SOLUTIONS

Machitech delivers the most reliable plasma cutting technology in today's fabrication, industrial and structural steel market.

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# TITANIUM CUT

BY MACHITECH

Engineered for the most demanding cutting and drilling applications

The new Titanium Cut has been designed from the ground up for Steel Service Centers, Ship Building & Structural Steel Applications. The 50HP spindle can drill holes up to 4 inches and tap up to 2 inches.



## FEATURES

- Bridge & Rail System, Customizable
- Table sizes: 8' x 20' up to 30' x 300'
- 40" by 20" Reinforced Fabricated Gantry
- Patented Inverted Rail System
- Bosch or B&R Servomotors (Ethercat)
- 30 to 50 HP Drilling and Tapping Spindle
- Rotary Tool Changer with 16 stations
- Chip and coolant extraction system
- Hypertherm XPR170, XPR300 and XPR460
- Hypertherm Pronest CAD/CAM Software
- Hypertherm Edge Connect Controller
- Downdraft Table with Brass Pins

## SPECIFICATIONS

- Cutting Speed: 0-500 IPM, related to process
- Traverse Speed: up to 1,000 IPM
- Repeatability: 0.001"
- Positioning Accuracy: 0.002"
- Drill up to 4" and tap up to 2"

## OPTIONS

- Additional Plasma Cutting Stations
- 5-Axis Full Contour Bevel head
- Cut N'Clean Slag Removal System
- Marking Systems
- Up to 10 Oxyfuel torches
- Filtration Systems

# PLATINUM CUT

BY MACHITECH

Heavy duty plate cutting machine designed for industrial 24/7 production

Bridge and Rail system engineered for multiple processes. Built to work 24/7 thanks to its heavy duty components and its inverted linear rail system.



## FEATURES

- Bridge & Rail System, Customizable
- Table sizes: 8' x 20' up to 30' x 300'
- 12" x 12" Machined Steel Gantry
- Patented Inverted Rails System
- Bosch Rexroth Servo Motors (EtherCat)
- Hypertherm XPR170, XPR300 and XPR460
- Hypertherm Pronest CAD/CAM Software
- Hypertherm Edge Connect Controller
- Machitech or Customer Supplied Table, water or downdraft

## SPECIFICATIONS

- Cutting Speed: 0-500 IPM, related to process
- Traverse Speed: up to 1,000 IPM
- Repeatability: 0.001"
- Positioning Accuracy: 0.002"

## OPTIONS

- 20HP Drilling and Tapping spindle
- Additional Plasma Cutting Stations
- 5-Axis Full Contour Bevel head
- Cut N'Clean Slag Removal System
- Up to 10 Oxyfuel torches
- Filtration Systems

# DIAMOND CUT

BY MACHITECH

High speed unitized system  
for maximum precision  
and productivity

A unitized system with a compact footprint and wide variety of options. Features our patented fully protected inverted rail system.



## FEATURES

- Unitized system
- Patented inverted linear rails system
- Easy to move & small footprint
- 6" x 8" machined steel gantry
- Table sizes: 5' x 10' up to 12' x 45'
- Automatic Torch Height Control
- Bosch Rexroth Servo Motors (EtherCat)
- Bosch linear ways on rails & gantry
- Hypertherm XPR170, XPR300 and XPR460
- Hypertherm Pronest CAD/CAM Software
- Hypertherm Edge Connect Controller

## SPECIFICATIONS

- Cutting Speed: 0-500 IPM, related to process
- Traverse Speed: up to 3500 IPM (X-Motion)
- Repeatability: 0.001"
- Positioning Accuracy: 0.002"

## OPTIONS

- Up to 12.5 HP Drilling and Tapping spindles
- Quick-Change Oxyfuel Torch
- Pipe Cutting Attachment
- 5-Axis Full Contour Bevel head
- X-Motion Roller-Pinion System
- Shuttle Table
- Safety Enclosure

# GOLD CUT

BY MACHITECH

A modular bridge & rail  
system designed for  
maximum configurability

Reliable industrial CNC plasma cutting system at a competitive price point that is perfect for fabrication shops and retrofit applications.



## FEATURES

- Bridge & rails system
- Modular design allows for future expansion
- 6" x 8" machined steel gantry
- Table sizes: 5' x 10' up to 10' x 40'
- Automatic Torch Height Control
- Bosch Rexroth Servo Motors (EtherCat)
- Bosch linear ways on gantry
- Hypertherm XPR170, XPR300 and XPR460
- Hypertherm Pronest CAD/CAM Software
- Hypertherm Edge Connect Controller
- Machitech or Customer Supplied Table, water or downdraft

## SPECIFICATIONS

- Cutting Speed: 0-500 IPM, related to process
- Traverse Speed: up to 1,000 IPM
- Repeatability: 0.001"
- Positioning Accuracy: 0.003"

## OPTIONS

- Quick-Change Oxyfuel Torch
- Pipe Cutting Attachment
- Cut N'Clean Slag Removal System
- Filtration Systems

# SILVER CUT

BY MACHITECH

A line of affordable industrial plasma cutting tables

The Silver Cut™ line of CNC plasma tables are the most affordable feature packed light industrial cutting machines on the market. Engineered for minimum footprint and ease of use, they are built to handle a wide range of applications.



## FEATURES

- Available sizes: 5'x5', 5x10 or 6'x12'
- Hypertherm Powermax plasma sources
- Choice of downdraft or water table
- Lantek Expert Sharp CAD/CAM Software
- Machitech NX4 CNC Controller
- Drawers for parts retrieval (downdraft)

## SPECIFICATIONS

- Cutting Speed: 0-500 IPM, related to process
- Traverse Speed: up to 800 IPM
- Repeatability: 0.002"
- Positioning Accuracy: 0.003"

## OPTIONS

- Quick-Change Oxyfuel Torch
- Laser Positioning System
- Manual Bevel System
- Pneumatic scribe
- Filtration Systems
- Pipe Cutting Attachment

# SILVER CUT PRO / HD

BY MACHITECH

Versatile mixed-gas or HD plasma cutting machine

Plasma cutting table for small to medium fabrication needs. Compact unitized construction and choice of mixed-gas or HD plasma.



\*Silver Cut HD shown

## FEATURES

- Available sizes: 5x10 or 6'x12'
- All steel, machined gantry
- Hypertherm Maxpro200 plasma
- Choice of downdraft or water table
- Lantek Expert Sharp CAD/CAM Software
- Machitech NX4 CNC Controller
- Drawers for parts retrieval (downdraft)

## HD UPGRADE

- Hypertherm XPR170 Core plasma

## SPECIFICATIONS

- Cutting Speed: 0-500 IPM, related to process
- Traverse Speed: up to 1000 IPM
- Repeatability: 0.002"
- Positioning Accuracy: 0.003"

## OPTIONS

- Quick-Change Oxyfuel Torch
- Laser Positioning System
- Manual Bevel System
- Pneumatic scribe
- Filtration Systems
- Pipe attachment

# FEATURED OPTIONS

Expand the capabilities of your cutting system with a wide range of options



## 5-AXIS FULL CONTOUR BEVELER

The 5-axis bevel system enables precise K, V, A, Y, X bevel cuts, including progressive bevels and countersink bolt holes.



## X-MOTION™ - ROLLER PINION SYSTEM

Our X-Motion™ Roller Pinion System powered by Nexen makes the Diamond Cut™ plasma cutter faster and more precise than standard rack and pinion systems.



## DRILLING STATIONS

We offer drilling and tapping systems from 1HP to 50HP which can be added to a range of machines. Automatic tool change also available as an option.



## CUT N' CLEAN™ - SLAG CLEANING SYSTEM

The Cut 'N Clean table cleaning system pushes material, slag and debris to the front of the machine or in a customer supplied pit for easy cleanup.



## PIPE AND TUBE CUTTING ATTACHMENTS

Maximize production with the pipe and tube cutting attachment. Can processes round pipe up to 20 feet long and 12 inches in diameter.



## SAFETY ENCLOSURE

A fully enclosed cutting cell enhances safety, reduces dust and noise, and maximizes productivity with an integrated shuttle table.

# ADDITIONAL OPTIONS

OXYFUEL STATIONS

WATERJET & PLASMA COMBO

MARKING SYSTEMS

DUST COLLECTORS



# PIPE & TUBE CUTTING SOLUTIONS

Machitech offers pipe cutting solutions for all needs and budgets, from manual loading to fully automated systems capable of processing up to 48" pipe.

**PIPE CUT**  
**PIPE CUT SL**

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# PIPE CUT

BY MACHITECH

Fully automated industrial pipe processing system

Features a floating chuck system with automatic height adjustment and pipe clamping, self adjusting pneumatic support rollers and our patented inverted rail system.



## FEATURES

- Can process a wide range of round pipes
- Floating Chuck for out of round pipes
- Automatic Chuck height and clamping
- Clamping torque monitoring system
- Patented Inverted Rails System
- Bosch Rexroth Servo motors (EtherCat)
- Pneumatic Support Rollers
- Hypertherm Powermax, MaxPro and XPR/HPR plasma
- CAD/CAM Nesting Software
- Hypertherm EDGE Connect Controller

## SPECIFICATIONS

- Pipe diameters: 2.5" up to 48"
- Distance between support rollers: 18"
- Cutting Speed: 0-500 IPM, related to process

## OPTIONS

- Processing for up to 48" diameter pipes
- 5-Axis Full Contour Bevel head
- Infeed and Outfeed Motorized Conveyors
- Flat plate cutting table (up to 5'x10')
- Automated Part Offload
- Filtration Systems

# PIPE CUT SL

BY MACHITECH

Standalone system designed for smaller pipe diameter

Standalone system for smaller pipe diameters up to 12", with rigid gantry construction and precise chuck-driven operation. It can efficiently handle weld prep, miters, saddles, and more. Manual chuck open / close and height adjustment.



## FEATURES

- Rigid gantry style construction
- Ideal for Weld prep, mitres, saddles, holes, etc.
- Chuck driven: precise, no slippage
- Manual chuck height adjustment and open/close
- Manual feeding rollers on the entire length
- Hypertherm Edge Connect Controller
- Hypertherm PowerMax Plasma Systems
- Machitech Automatic Torch Height Controller
- CAD/CAM Nesting Software
- Patented Inverted Rails System

## SPECIFICATIONS

- Pipe diameters: 1.6" up to 12"
- Cutting zone length: 21' or 42'
- Cutting Speed: 0-500 IPM, related to process

## OPTIONS

- Manual In-feed roller system
- 5-Axis full beveling cutting head
- Filtration Systems



## FOUGHT & COMPANY

PORTLAND, OREGON, USA

"Fought & Company has been in business since 1949 and with the acquisition of the Machitech Pipe Cutter we're able to do projects we weren't able to do before."

"We've been nothing but satisfied with the support, with the family type atmosphere they have, with how they treated us and I am a Machitech believer for life."



WAYNE SEARLY,  
CHIEF EXECUTIVE OFFICER  
**MODEL: PIPE CUT**



# ROBOTIC CUTTING SOLUTIONS

We created Beamcut to give our customers maximum optimization of their manufacturing processes. Engineered to automate every aspect of your structural or profile fabrication, Beamcut is the machine your shop needs.

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# BEAMCUT BC25 / BC50

BY MACHITECH

A to Z processing of all structural and custom profiles

We created Beamcut to give our customers maximum optimization of their structural fabrication process. Thanks to industry leading features, it can produce 10 times faster than a traditional cutting method. Simple to program, easy to operate.



## FEATURES

- Infeed and outfeed conveyors, custom length
- Laser measuring devices
- Operator touchscreen control
- Fanuc 6-axis robotics arm, 25kg and 50kg
- Hypertherm XPR plasma
- Torch breakaway
- Real-time performance data, 4.0 ready
- 3D CAD and NC1 programming
- Straightforward and verifiable calibration
- Low maintenance, no proprietary parts
- Install and training included
- Offline programming and simulation
- No annual software subscriptions
- Remote technical support

## SPECIFICATIONS

- Minimum Beam Length: 4'
- Maximum Beam Length: customizable
- Custom machine configurations

## OPTIONS

- Lift / carry and drag transfers
- Infeed and outfeed extensions
- Filtration system
- Second access door
- Pipe attachment
- Scrap conveyor
- Light curtains and safety fencing

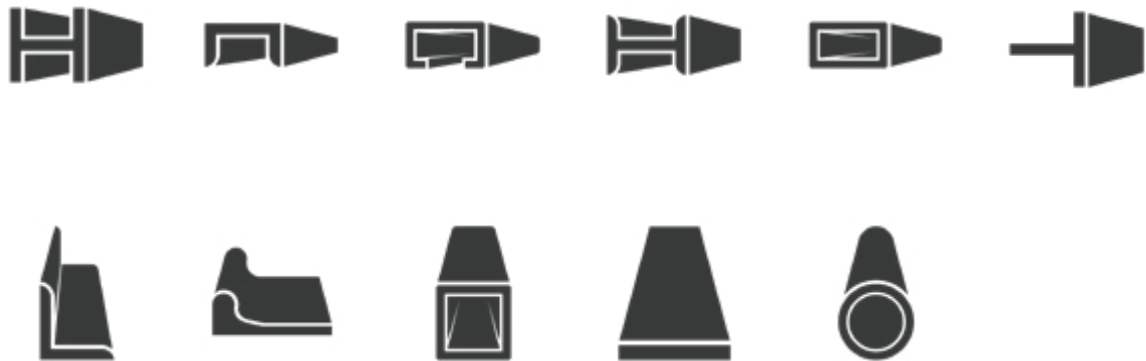
## MADE FOR STEEL FABRICATORS AND MANUFACTURERS

- Buildings and Bridges
- Arenas and Stadiums
- Shipbuilding
- Pipe Racks
- Stair Stringers and Skids
- Embeds
- Power Transmission Towers and Solar Panels
- Equipment Fabrication
- Industrial
- Trailer Frames
- Pump Jacks
- Mining and Oil Rigs
- Elevators and Conveyors
- Miscellaneous and Decorative Metals



# MODEL COMPARISON

Easily process various profiles  
with Beamcut



|                 | BC25                           |                             | BC50                        |
|-----------------|--------------------------------|-----------------------------|-----------------------------|
|                 | MINIMUM<br>(WIDTH X HEIGHT)    | MAXIMUM<br>(WIDTH X HEIGHT) | MAXIMUM<br>(WIDTH X HEIGHT) |
| BEAM            | 4" X 4"                        | 30" X 12"                   | 48" X 16"                   |
| T BEAM          | 4" X 2"                        | 29" X 12"                   | 39" X 16"                   |
| PIPE (OPTIONAL) | 2"                             | 12"                         | 16"                         |
| HSS             | 2" X 2"                        | 12" X 12"                   | 16" X 16"                   |
| ANGLE           | 2" X 2"                        | 10" X 10"                   | 10" X 10"                   |
| CHANNEL         | 4" X 2"                        | 30" X 5"                    | 48" X 5"                    |
| BULB FLAT       | 2"                             | 30"                         | 48"                         |
| FLAT            | 2" X 3/8"                      | 30" X 3" (XPR ONLY)         | 48"                         |
| CUSTOM PROFILES | SUPPORTED, ASK YOUR SPECIALIST |                             |                             |

|                                |                                   |
|--------------------------------|-----------------------------------|
| HYPERTHERM PLASMA UNIT OPTIONS | MAXPRO200, XPR170, XPR300, XPR460 |
| THICKNESS                      | RELATED TO PLASMA SOURCE          |
| WELDING PREP. BEVEL            | 52°                               |
| ETCHING AND MARKING            | YES, REQUIRES XPR PLASMA          |
| MINIMUM MATERIAL LENGTH        | 48"                               |
| MAXIMUM MATERIAL LENGTH        | CUSTOMIZABLE                      |

# FEATURED OPTIONS

Expand the capabilities of Beamcut with a wide range of options



## LIFT / CARRY AND DRAG TRANSFERS

Transfers added to the infeed or outfeed conveyor to avoid loading/unloading the piece directly onto or off of the conveyors.



## SCRAP CONVEYOR

The conveyor automatically collects and removes slag and waste material generated during the cutting process, keeping the workspace clean and reducing downtime for manual cleanup.



## PIPE CUTTING

Optional feature for cutting round pipe and tube.



## INFEED AND OUTFEED EXTENSIONS

Extensions can be added to both the infeed and outfeed conveyors to allow for longer material lengths or provide more space for cut parts.



## SECOND ACCESS DOOR

An additional access door can be installed on the opposite side and / or corner of your cutting enclosure, depending on your needs.



## LIGHT CURTAINS AND SAFETY FENCING

The light curtain and safety fencing option on Beamcut provides enhanced operator protection by creating a physical and / or laser barrier around the processing area.



## WESTERN FABRICATION

KELSO, WASHINGTON, USA

« Beamcut has given us a competitive edge and enabled us to obtain projects that we couldn't have before. »

« Since its installation, the Beamcut has significantly reduced our processing time. This has allowed our employees to focus on more important tasks rather than just day-to-day cutting operations. »



MIKE STEWART  
SR. PROJECT MANAGER  
**MODEL: BEAMCUT BC25**



# FIBER LASER CUTTING SOLUTIONS

With power up to 30kw, our fiber laser cutting systems can handle a wide range of material including sheet, plate, pipe, and tube.

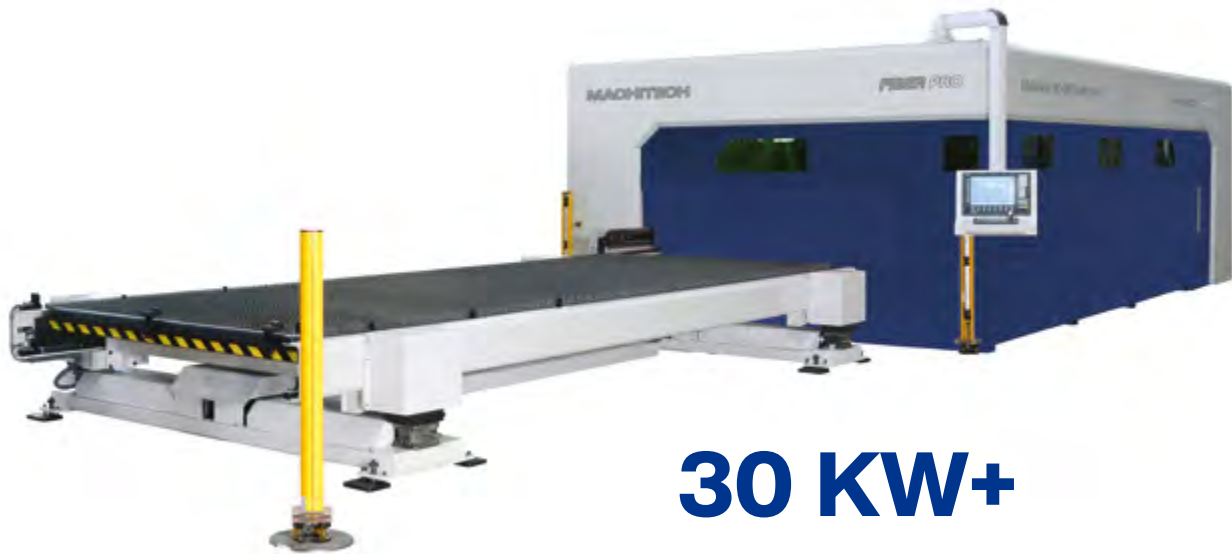
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# FIBER PRO

BY MACHITECH

## High-volume fabrication fiber laser cutting system

The Fiber PRO cutting system uses the highest quality components to create one of the most reliable cutting systems on the market. Level up your production with our smart features and up to 30kW laser power.



30 KW+

### FEATURES

- Automated Motorized Nozzle Centering
- IPG Photonics® Laser Source: 3 kW to 30 kW+
- Siemens® Controller, Drives and Motion
- Lantek® Expert CAD/CAM Nesting Software
- Precitec® Laser Cutting Head
- Vanterm® High Efficiency Dust Collector
- Rigid, Steel, Welded Frame & Gantry
- Helical Rack & Pinion
- Automatic Dual Shuttle Table
- CSA / UL approved

### SPECIFICATIONS

- Table widths: 5', 6', 8', 10'
- Table lengths: from 10' to 52'
- Max. Combined Speed: up to 6,600 IPM
- Repeatability: 0.002"
- Positioning Accuracy: 0.002"

### OPTIONS

- Custom Over-sized Systems
- Automatic Nozzle Changer System
- Automatic Load/Unload & Stacker/Tower Systems
- Siemens® Linear Drive System : Max. Combined speed 11,116 IPM (282 m/min)
- Bevel Head (±45°)
- Motorized Scrap Conveyors

# FIBER PRO SL

BY MACHITECH

## Fiber laser cutting system with sideload access

The Fiber PRO SL features sideload access, making it ideal for environments with limited space or specialized applications. It allows for easy loading and unloading along the longer side, maximizing efficiency in compact setups.



### FEATURES

- IPG Photonics® or MAX Photonics Laser Sources- from 3 kW up to 6 kW
- Siemens® CNC, PLC and Drives
- Lantek® Expert CAD/CAM Nesting Software
- Precitec® Laser Cutting Head
- Vanterm® High Efficiency Dust Collector
- Rigid, Steel, Welded Frame & Gantry
- Helical Rack & Pinion
- Automatic Dual Shuttle Table
- CSA / UL approved

### SPECIFICATIONS

- Table Sizes: 10' x 5'
- Max. Combined Speed: up to 5,200 IPM
- Repeatability: 0.002"
- Positioning Accuracy: 0.002"

### OPTIONS

- Automatic Loading arm
- Motorized Scrap Conveyors

# FIBER TUBE

BY MACHITECH

## Fully automated tube laser cutting system

The Fiber TUBE laser cutting systems offers short processing times for a wide range of tube sizes and profiles. Available with fully automatic loading and unloading for maximum productivity.



### FEATURES

- Processing Round, Square, Rectangular, Pipes & Tubes and, C, U and L-Beams
- IPG Photonics® Laser Source: 3 kW to 6 kW
- Siemens® Controller, Drives and Motion
- Lantek®Flex 3D CAD/CAM Nesting Software
- Precitec® Laser Cutting Head
- Vanterm® High Efficiency Dust Collector
- Rigid, Steel, Welded Frame
- CSA / UL approved

### SPECIFICATIONS

- Loading Length: 24'
- Unloading Length: 12', 13'
- Pipe Diameter: 3/4" to 8 5/8"
- Square Tube: 1" x 1" to 6" x 6"
- Max. Tube Weight: 16 lb/ft (25 kg/m)
- Repeatability: 0.002"
- Positioning Accuracy: 0.002"

### OPTIONS

- Tube Loading/Unloading up to 40'
- Transfer Conveyors for Unloading
- Tube Diameter up to 19 5/8"
- Heavy Loading up to 3,300 lbs (1500 kg)
- Tilt Bevel Head (±45°)
- Heavy Chain System Loading
- Automatic Bundle Loading System

# FIBER CUBE

BY MACHITECH

## Small format fiber laser cutting system

The Fiber CUBE is the ideal fiber laser cutting solution for precision cutting of smaller parts, making it perfect for everything from prototyping to full-scale production.



### FEATURES

- Easy access pull-out table
- IPG Photonics® Laser Source: 2 kW to 6 kW
- Fagor CNC 8070 elite-L high performance controller
- Yaskawa servo motors
- Chiller included
- Precitec® Laser Cutting Head
- Vanterm® High Efficiency Dust Collector
- LantekR Expert CAD/CAM Nesting Software

### SPECIFICATIONS

- Maximum processing range: 51" x 51"
- X/Y axis positioning accuracy: ±0.03mm
- X/Y axis repeat positioning accuracy: ±0.02mm
- X/Y axis maximum moving speed: 40m/min
- Working platform load: 300kg
- Lubrication type: automatic oiling
- Machine dimension (Length x width x height): 100" x 102" x 74"
- Total Weight: 2040kg

# FEATURED OPTIONS

Take your flat plate fabrication even further with these available options for our fiber laser cutting systems



## LOADING AND UNLOADING TOWERS

Ideal to streamline material handling by automating the stacking and retrieval of sheets.



## CUSTOM AND OVERSIZED SYSTEMS

We offer tailored solutions for large-scale or unique cutting needs, accommodating oversized materials for industries like aerospace, shipbuilding, and heavy manufacturing.



## BEVEL HEAD

The bevel head option on a Fiber PRO system enables precise angled cuts, ideal for complex geometries and weld preparation, without the need for secondary processing.



## AUTOMATIC NOZZLE CHANGING

Selects and replaces nozzles for different cutting processes. This minimizes downtime, ensures precision, and improves overall production efficiency.



## MOTORIZED SCRAP CONVEYORS

The motorized scrap conveyors streamline the removal of waste material, enhancing efficiency and reducing downtime.



## HIGH PRESSURE AIR LASER CUTTING

Reduce your overall cost of ownership and everyday overhead with a Machitech air compressor used exclusively for cutting your materials.

# ADDITIONAL OPTIONS

## SIEMENS LINEAR DRIVE SYSTEM

## TRANSFER CONVEYORS FOR UNLOADING TUBES

## AUTOMATIC BUNDLE LOADING SYSTEM



## ROVIBEC AGRSOLUTIONS

NICOLET, QC CANADA

We chose to acquire a Machitech laser system based on our positive experience with their plasma table.

Their equipment is robust and reliable, and their service is excellent. Machitech's technicians are skilled and respond quickly to urgent issues. Given our satisfaction, we highly recommend Machitech to others in need of cutting solutions.



MARTIN ROUSSEAU  
GENERAL DIRECTOR  
**MODEL: FIBER PRO**



# PRESS BRAKES

Machitech offers a large range of CNC press brakes, spanning from 40 to 2,000 tons, Hydraulic or Electric. Featuring advanced CNC controls from Delem, intelligent bending aids, and automation capabilities.

|                    |    |
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# H-SERIES HYDRAULIC

BY MACHITECH

Hydraulic press brakes up to 2,000 tons

The H-Series combines user-friendly controls, a robust body design, and optimal performance. With versatile tooling capabilities, low operating costs, and advanced safety features, it delivers unmatched precision and reliability.



## FEATURES

- Delem 66S CNC controller, easy to use
- Hydraulic oil cooling system
- Linear guided front support arms
- Multi-step finger design
- Back Gauge Axis (X-R)
- CNC crowning for maximum accuracy
- Safety fence door and laser front protection
- CSA approval
- On-site installation and training included

## SPECIFICATIONS

- Capacity: 40 to 2,000 tons

## OPTIONS

- Delem 69S CNC controller, 3d drawing and profiling capabilities
- Robotic Brake Press Tending System
- CNC sheet support followers
- Real time production monitoring
- 4 Axis Back Gauge (X-R-Z1-Z2)
- 5 Axis Back Gauge (X1-X-R-Z1-Z2)
- 6 Axis ATF Back Gauge (X1-X2-R1-R2-Z1-Z2)
- Additional day/light stroke
- Additional throat depth
- Automatic pneumatic clamping
- Laser angle measuring device

# E-SERIES ELECTRIC

BY MACHITECH

Electric press brakes up to 200 tons

The E-Series offers numerous advantages, including energy savings and a significant decrease in operating costs. It provide reliable performance and low maintenance costs, while its reliability ensures maximum up time for continuous operation.



## FEATURES

- Servo electric press brake, energy efficient
- Delem 66S CNC controller, easy to use
- Linear guided front support arms
- Multi-step finger design
- Back Gauge Axis (X-R-Z1-Z2)
- CNC crowning for maximum accuracy
- Safety fence door and laser front protection
- Low maintenance design
- Quiet operation
- CSA approval
- On-site installation and training included

## SPECIFICATIONS

- Capacity: 40 to 200 tons

## OPTIONS

- Delem 69S CNC controller, 3d drawing and profiling capabilities
- Robotic Brake Press Tending System
- CNC sheet support followers
- Real time production monitoring
- 4 Axis Back Gauge (X-R-Z1-Z2)
- 5 Axis Back Gauge (X1-X-R-Z1-Z2)
- 6 Axis ATF Back Gauge (X1-X2-R1-R2-Z1-Z2)
- Additional day/light stroke
- Additional throat depth
- Automatic pneumatic clamping
- Laser angle measuring device

# FEATURED OPTIONS

Enhance your bending capabilities with these options for your Machitech press brake machine.



## AUTOMATIC PNEUMATIC CLAMPING

Allows operators to switch tools faster and more easily, without the need for manual tightening, ensuring efficient and safe tool handling and significantly reduced set up time.



## LASER ANGLE MEASURING DEVICE

Used to measure the bend angle in real-time during the bending process. It ensures high precision by continuously monitoring the angle and making adjustments as needed to achieve the desired bend



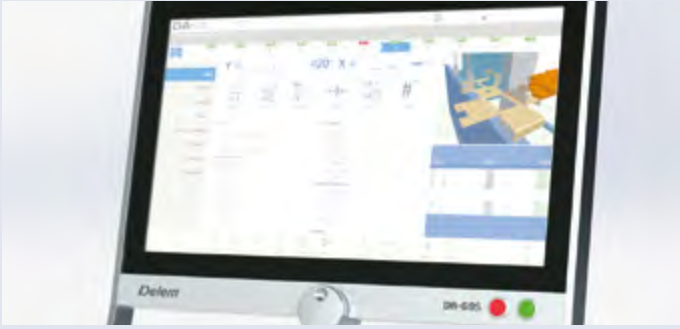
## ROBOTIC PRESS TENDING SYSTEM

An automated system designed to load, unload, and manipulate parts in and out of a press brake, improving production speed, consistency, and safety for the operator.



## BACK GAUGE

The 4, 5, and 6 Axis Back Gauges offer varying levels of precision and speed, with configurations that enable step bending, tapered bends, and support for multiple tool setups.



## 3D DRAWING AND PROFILING CAPABILITY

Upgrading to the Delem 69S CNC controller enables 3D graphical visualization, enabling users to create and modify detailed 3D models of parts, define bending profiles, and simulate the bending process in real-time.



## CNC SHEET SUPPORT FOLLOWERS

These followers move synchronously with the press brake's bending action, supporting the sheet from below, useful for handling oversized or flexible workpieces and reducing strain for the operator.

# ADDITIONAL OPTIONS

## INCREASED THROAT DEPTH

## INCREASED DAYLIGHT / STROKE

## REAL-TIME PRODUCTION MONITORING



# OTHER SOLUTIONS

Machitech also offers a wide range of other solutions, including waterjet, CNC routers, oxyfuel tables, and fully custom solutions. Whether you need precision, versatility, or heavy plate processing, Machitech has the technology to meet your cutting and fabrication needs.

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# WATERJET

BY MACHITECH

High precision cutting of almost any material

The Machitech Waterjet can handle large and heavy parts with ease and without any heat affected-zones, making it a versatile cutting solution.



## FEATURES

- Unitized system, easy to move and small footprint
- Patented inverted linear rails system, protects against dust and debris
- 6' x 8' machined steel gantry with bellows
- Table sizes: 5' x 10' up to 12' x 45'
- Automatic Waterjet Height Control
- Dual drive system for smooth motion
- Bosch Rexroth servo motors (EtherCat)
- Bosch linear ways on rails & gantry
- KMT and Hypertherm Waterjet Pumps, up to 90,000PSI / 150HP
- Hypertherm EDGE Connect Controller
- Hypertherm Pronest CAD/CAM Software

## SPECIFICATIONS

- Table Capacity: 4" (custom available)
- Clearance Under Gantry: 8.5"
- Cutting Speed: 500 IPM (related to process)
- Max Speed Traverse: 1800 IPM

## OPTIONS

- 5-Axis Waterjet Cutting Head
- Plasma Combo Option

# OXYFUEL

BY MACHITECH

Engineered for heavy plate cutting

Fully customizable bridge and rail system designed for 24/7 oxyfuel cutting. Built to last thanks to its heavy duty components and its inverted linear rail system.



## FEATURES

- Bridge & Rail System, Customizable
- Table sizes: 8' x 20' up to 30' x 300'
- 12" x 12" Machined Steel Gantry
- Patented Inverted Rails System
- Bosch Rexroth Servo Motors (EtherCat)
- Victor Oxyfuel Torches (other brands avail.)
- Hypertherm Pronest CAD/CAM Software
- Hypertherm Edge Connect Controller
- Machitech or Customer Supplied Table, water or downdraft

## SPECIFICATIONS

- Cutting Speed: 0-500 IPM, related to process
- Traverse Speed: up to 1,000 IPM
- Repeatability: 0.001"
- Positioning Accuracy: 0.002"

## OPTIONS

- Fully automatic IHT oxyfuel torches
- Automatic Torch Height Control
- Automatic Ignition System
- Automatic Gas Console
- Manual Bevel / Bevel Tips
- Three Position Oxyfuel Bevel
- 20HP Drilling and Tapping spindle

# RTS CNC ROUTER

BY MACHITECH

High volume industrial CNC router

The RTS router is perfect for customers looking to cut many types of materials at low cost. With its heavy-duty frame and its 1" thick solid aluminum zoned vacuum table, this machine is built for continuous industrial use.



## FEATURES

- 4'x8' up to 8'x24' true machining surface, compact unitized construction, easy to move
- Fully-welded machined frame
- Standard 6" clearance under gantry
- Osai Controller and Servo Motors
- Linear bearings on all axis
- HSD 10HP to 16HP spindles (automatic tool change)
- Busch 10HP Vacuum Pump
- 4 Automatic Electro-Pneumatic Vacuum Zones
- Pop Up Material Locator Pins
- 8 Position Linear Automatic Tool Changer
- Dust Hood with Synthetic Brushes

## SPECIFICATIONS

- Available Sizes: 4'x8' up to 8'x24'
- Z-axis Clearance: 6" (12" optional)
- Z-axis Travel: 6"
- Repeatability: +/- .001"
- Cutting Speed: up to 2200ipm
- Rapid Traverse: 2200ipm
- Drive System X, Y, Z Axis: Linear Rails Rack & Pinion
- Standard Work Surface: 1" Machined Aluminum Surface

## OPTIONS

- Rotary (Lathe) Axis
- Total vision registration system (digital print alignment)
- Single or Dual Tangential Knives (multiple types)
- Portable Controller Remote
- Auto Mist or Cold Air for Aluminum cutting
- Many other options are available on demand

# MT DEBURRING TUMBLER

BY MACHITECH

Highly efficient part cleaning

Save time and eliminate part cleaning. The process works by rotating parts along with abrasive media to remove sharp edges, burrs, and surface imperfections



## FEATURES

- Avoids manual grinding
- Preserves marking
- Silent operation
- Low operating cost
- Increased productivity
- Ergonomic workstation and operator safety increased
- Integrated dust collector

## SPECIFICATIONS

- Capacity: 88 gallons (400 liters)
- Tank: 23.5" x 51" (600 x 1300 mm)
- Max Part size: 19.5" x 49" (19.5" x 49")
- Unit weight of parts: 66 pounds (30 kg)
- Total load: 1102 pounds (30 kg)
- Unloading: Manual
- Power requirements: 480V 3P 15A (600V 3P 10A)

## OPTIONS

- Tank dividers
- Additional media: cast iron or plastic

# DESIGNED TO YOUR SPECIFICATIONS

# 1

At Machitech, we understand that every operation is unique. That's why we offer fully customizable solutions tailored to your specific needs.

Whether you require specialized configurations, advanced automation, or precise cutting capabilities, our team will work closely with you to design and implement systems that optimize your productivity and meet your exact requirements.

## THE MACHITECH EXPERIENCE

# ON-SITE INSTALLATION AND TRAINING

## 2

Experience a seamless transition to your new system with Machitech's comprehensive on-site installation and training.

Our skilled technicians ensure your equipment is installed to the highest standards ensuring peak performance.

We also include in-depth training for your team, covering everything from basic operation, advanced techniques, and maintenance. This package ensures full utilization of your new cutting machine.

# PEACE OF MIND SUPPORT

## 3

Machitech offers peace of mind that goes beyond just installing your system.

With our lifetime remote support\*, our dedicated team is always ready to help, ensuring your cutting systems continue to operate at optimal levels for the life of your machine.

With us taking care of the technical details, you can focus on your business – that's the essence of our «peace of mind support.»

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