



 **Machitech[®]**
AUTOMATION

Leading manufacturer of automated cutting solutions

Plasma Table Comparison Chart |

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SILVER CUT



GOLD CUT



DIAMOND CUT



PLATINUM CUT



TITANIUM CUT

SHORT DESCRIPTION:	ENTRY LEVEL PRICE, INDUSTRIAL QUALITY	MEDIUM TO HEAVY PLATE CUTTING	ACCURACY AND PRODUCTIVITY	HEAVY PLATE CUTTING	PLATE PROCESSING MACHINE
FEATURES:	Ideal for small to medium fabrication and HVAC shops, this cutting table uses industrial quality components for long term durability. Can be converted from waterbed to downdraft. Automatic torch height controller.	Perfect for fabrication shops looking for accuracy, efficiency and production. Can be increased in size as your needs grow. Many options available.	Specially designed for high precision cutting on a heavy unitized frame that can be increased in size as your needs grow. Innovative inverse rail system. Exceptional accuracy and cut quality. Many options available	For the heavy steel industry, plate cutting facilities and structural steel fabricators, the Platinum Cut is a large format cutting machine. Can be increased in size as your needs grow. Many options available.	The strength of the dual beam steel gantries allow widths up to 20'. Optional 30HP drilling station and tool changer. Can be increased in size as the your needs grow. Many options available to customize.
CONSTRUCTION:	Unitized	Bridge and Rail Modular design allowing you to expand your cutting table in future	Unitized Modular design allowing you to expand your cutting table in future	Bridge and Rail Modular design allowing you to expand your cutting table in future	Bridge and Rail Modular design allowing you to expand your cutting table in future
DIMENSIONS:	5' x 10' or 6' x 12'	5' x 10' up to 10' x 40' Custom sizes available	5' x 10' up to 12' x 45" Custom sizes available	10' x 20' up to 20' x 80' Custom sizes available	10' x 20' up to 20' x 80' Custom sizes available
CUTTING SPEED:	0 to 500 IPM, related to process and power source	0 to 500 IPM, related to process and plasma power source	0 to 500 IPM, related to process and plasma power source	0 to 500 IPM, related to process and plasma power source	0 to 500 IPM, related to process and plasma power source
MAXIMUM TRAVERSE SPEED:	800 IPM	1000 IPM	1400 IPM	800 IPM	800 IPM
REPEATABILITY:	0.002"	0.001"	0.002"	0.003"	0.003"
POSITIONING ACCURACY:	0.004"	0.002"	0.001"	0.001"	0.001"
MATERIAL SUPPORT:	<ul style="list-style-type: none"> Waterbed or Downdraft Can be converted from waterbed to downdraft 	<ul style="list-style-type: none"> Waterbed with raise/lower system Zoned downdraft with removable trays CAD fabrication drawings supplied 	<ul style="list-style-type: none"> Waterbed with raise/lower system Zoned downdraft with removable trays CAD fabrication drawings supplied 	<ul style="list-style-type: none"> Waterbed with raise/lower system Zoned downdraft with removable trays CAD fabrication drawings supplied 	<ul style="list-style-type: none"> Waterbed with raise/lower system Zoned downdraft with removable trays CAD fabrication drawings supplied
GANTRY:	<ul style="list-style-type: none"> 6" x 6" Extruded aluminum Clearance under gantry: 4.5" Vee bearings, self-cleaning rails, 1.25" pinion gears 	<ul style="list-style-type: none"> 6"x8" steel, fully machined Clearance under gantry: 6.5" 3/4" Agma 10 rack and pinions 1" Bosch linear bearings on machined surface Cables and hoses are protected by the structure and enclosed powertrack Welded and machined over sized end-trucks, for maximum stability Heat shield under gantry 	<ul style="list-style-type: none"> 6" x 8" steel, fully machined Clearance under gantry: 8.5" 3/4" Agma 10 rack and pinions 1" Bosch linear bearing, on machined surfaces Cables and hoses are protected by the structure and enclosed power track Welded and machined over sized end-trucks, for maximum stability Heat shield under the gantry 	<ul style="list-style-type: none"> 12" x 12" steel, fully machined Clearance under gantry: 12" 3/4" Helical Agma 10 rack and pinions 1.5" Bosch linear bearings on machined surfaces Cables and hoses are protected by the structure and enclosed power track Welded and machined over sized end-trucks, for maximum stability Heat shield under the gantry 	<ul style="list-style-type: none"> Dual 12" x 12" steel, fully machined Clearance under gantry: 12" 3/4" Helical Agma10 rack and pinions 1.5" Bosch linear bearings on machined surfaces Cables and hoses are protected by the structure and enclosed powertrack Welded and machined over sized end-trucks, for maximum stability Heat shield under the gantry
RAILS:	<ul style="list-style-type: none"> 1.25" pinion gears Self cleaning V bearing rails 	<ul style="list-style-type: none"> 3/4" Agma10 rack and 2.5" pinion gears Self cleaning V bearing rails Pedestal rail system, mid height 	<ul style="list-style-type: none"> Inverted highly accurate 3/4" Agma10 Helical rack and pinions protected against dust and material impact 1" Bosch linear bearings on machined surfaces Rails are installed on the material support (unitized design) 	<ul style="list-style-type: none"> Inverted highly accurate 1.25" Helical Agma10 rack and pinions protected against dust and material impact 2" Bosch linear bearings on machined surfaces Floor mounted rails 	<ul style="list-style-type: none"> Inverted highly accurate 1.25" Helical Agma10 rack and pinions protected against dust and material impact 2" Bosch linear bearings on machined surfaces Floor mounted rails
MOTORS & GEARBOXES:	<ul style="list-style-type: none"> Industrial stepper motors on all axis with true dual drive Zero back lash drive system 	<ul style="list-style-type: none"> True dual side drive, A/C servo motors Pneumatic pinion engagement with linear bearings Ultra precision helical planetary gearboxes for the smoothest motion 	<ul style="list-style-type: none"> Dual side drive, Bosch Rexroth A/C Servo motors with digital Sercos III drive controller Pneumatic pinion engagement with linear bearings Ultra precision helical planetary gearboxes for the smoothest motion 	<ul style="list-style-type: none"> Dual side drive, Bosch Rexroth A/C Servo motors with digital Sercos III drive controller Pneumatic pinion engagement with linear bearings Ultra precision helical planetary gearboxes for the smoothest motion 	<ul style="list-style-type: none"> Dual side drive, Bosch Rexroth A/C Servo motors with digital Sercos III drive controller Pneumatic pinion engagement with linear bearings Ultra precision helical planetary gearboxes for the smoothest motion

CNC CONTROLLER:	<ul style="list-style-type: none"> • Machitech Automation CNC with 15" touchscreen • Touchscreen CNC available 	<ul style="list-style-type: none"> • Edge Pro CNC controller • Windows based, 15" glass touch screen • 2 USB port, network connection • Up to 1GB' memory • Phoenix software • Part Program Support (PPS), Remote Help, Auto gas support, DXF import, and shape nesting • 2 year warranty 	<ul style="list-style-type: none"> • Edge Pro CNC controller • Windows based, 15" glass touch screen • 2 USB port, network connection • Up to 1GB' memory • Phoenix software • Part Program Support (PPS), Remote Help, Auto gas support, DXF import, and shape nesting • 2 year warranty 	<ul style="list-style-type: none"> • Edge Pro CNC controller • Windows based, 15" glass touch screen • 2 USB port, network connection • Up to 1GB' memory • Phoenix software • Part Program Support (PPS), Remote Help, Auto gas support, DXF import, and shape nesting • 2 year warranty 	<ul style="list-style-type: none"> • Edge Pro CNC controller • Windows based, 15" glass touch screen • 2 USB port, network connection • Up to 1GB' memory • Phoenix software • Part Program Support (PPS), Remote Help, Auto gas support, DXF import, and shape nesting • 2 year warranty
MAXIMUM TABLE CAPACITY:	1.5" material thickness	4" material thickness, customizable	4" material thickness, customizable	8" material thickness, customizable	8" material thickness, customizable
POWER SOURCE:	Hypertherm Powermax 45 to 125	<ul style="list-style-type: none"> • Hypertherm Powermax 45 to 125 • Hypertherm MaxPro 200 • Hypertherm HPR 130XD to 800XD 	<ul style="list-style-type: none"> • Hypertherm Powermax 45 to 125 • Hypertherm MaxPro 200 • Hypertherm HPR 130XD to 800XD 	Hypertherm HPR 130XD to 800XD	Hypertherm HPR 130XD to 800XD
MOTORIZED STATION:	1 max.	2 max.	2 max.	2 max.	2 max.
OXY/FUEL STATION:	1 max.	3 max.	3 max.	8 max. Belt system	8 max. Belt system
AUTOMATIC HEIGHT CONTROLLER:	Machitech Automatic torch height control, uses arc voltage sampling to follow variations in material. Magnetic torch breakaway system used to pause machine in case of collision.	<ul style="list-style-type: none"> • Machitech Automatic torch height control uses arc voltage sampling to follow variations in material • Laser pointer integrated for plate alignment • Magnetic torch breakaway system used to pause machine in case of collision 	<ul style="list-style-type: none"> • Machitech Automatic torch height control uses arc voltage sampling to follow variations in material • Laser pointer integrated for plate alignment • Magnetic torch breakaway system used to pause machine in case of collision 	<ul style="list-style-type: none"> • Machitech Automatic torch height control uses arc voltage sampling to follow variations in material • Laser pointer integrated for plate alignment • Magnetic torch breakaway system used to pause machine in case of collision 	<ul style="list-style-type: none"> • Machitech Automatic torch height control uses arc voltage sampling to follow variations in material • Laser pointer integrated for plate alignment • Magnetic torch breakaway system used to pause machine in case of collision
NESTING SOFTWARE:	Included in the Machitech Controller	Hypertherm Cam Solutions, TurboNest or ProNest	Hypertherm Cam Solutions, TurboNest or ProNest	Hypertherm Cam Solutions ProNest	Hypertherm Cam Solutions ProNest

Silver Cut - Unitized System

Ideal for small to medium fabrication and HVAC shops

- > This cutting table uses heavy duty industrial quality components for long term durability
- > The Machitech Silver Cut is the most affordable industrial cutting machine on the market
- > Can be converted from waterbed to downdraft system anytime
- > Unitized design, easy to move



FEATURES:

- Unitized system
- Tables sizes: 5' x 10' or 6' x 12'
- True dual drive, Zero back lash drive system
- Hypertherm conventional plasma cutters
- Machitech Automation CNC with 15" touchscreen
- Nesting software included in the controller
- CAD drawing, CAM cutting software included
- Additional system options available
- Full parts list and electrical schematics included
- On-site installation included
- On-site training included
- Free lifetime remote support

Silver Cut - Unitized System

Ideal for small to medium fabrication and HVAC shops.

SPECIFICATIONS:

CONSTRUCTION:	Unitized system
DIMENSIONS:	5' x 10' or 6' x 12'
CUTTING SPEED:	0 to 500 IPM, related to process and power source
MAXIMUM TRAVERSE SPEED:	800 IPM
REPEATABILITY:	0.002"
POSITIONING ACCURACY:	0.004"
MATERIAL SUPPORT:	Waterbed or Downdraft Can be converted from waterbed to downdraft
GANTRY:	6" x 6" Extruded aluminum Clearance under gantry: 4.5" Vee bearings, self-cleaning rails, 1.25" pinion gears
RAILS:	1.25" pinion gears Self cleaning V bearing rails
MOTORS:	Industrial stepper motors on all axis, true dual drive, Zero back lash drive system
CNC CONTROLLER:	Machitech Automation CNC with 15" touchscreen
MAXIMUM TABLE CAPACITY:	1.5" material thickness
MOTORIZED STATION:	1 max.
OXY/FUEL STATION:	1 max.
POWER SOURCE:	Hypertherm Powermax 45 to 125
AUTOMATIC HEIGHT CONTROLLER:	Machitech Automatic torch height control, uses arc voltage sampling to follow variations in material. Magnetic torch breakaway system used to pause machine in case of collision.
SUGGESTED NESTING SOFTWARE:	Included in the Machitech Controller
OPTIONS AVAILABLE:	Dust collection system Oxy-fuel torch Pneumatic scribe Removable trays for easy cleanout (waterbed) Source caption fume extraction Roller ball floating disk for HVAC and light gauge cutting

Gold Cut - Bridge & Rail System

Perfect for fabrication shops looking for accuracy, efficiency and production.

- > High volume production
- > Heavy-duty construction
- > High quality precision components
- > Sheet metal to heavy plate capability
- > Customize to user requirements



FEATURES:

- Bridge and rail system
- Modular design allows for table expansion
- Tables sizes: 5' x 10' up to 10' x 40'
- Custom table sizes and configurations available
- Zoned down draft or water table
- 6' x 8' heavy-duty fully machined steel gantry
- True dual side drives with 750 A/C watt servo motors
- High quality Agma 10 rack and pinion
- Self cleaning V-guide and bearings on rails
- 1" Bosch linear bearings on machined surface of gantry
- Ultra precision helical planetary gearboxes
- Welded and machined over-sized end trucks
- Heat shield located under gantry
- Cables protected by power tracking
- Hypertherm conventional & HyDefinition plasma cutters
- Hypertherm Edge Pro CNC controller
- Hypertherm cutting & nesting software
- Windows-based, 15" touch screen monitor
- Machitech Automatic Torch Height Control
- Magnetic torch breakaway
- Integrated self diagnostics
- Full part list and electrical schematics
- On-site installation included
- On-site training included
- Additional system options available
- Free lifetime remote support

Gold Cut - Bridge & Rail System

Perfect for fabrication shops looking for accuracy, efficiency and production.

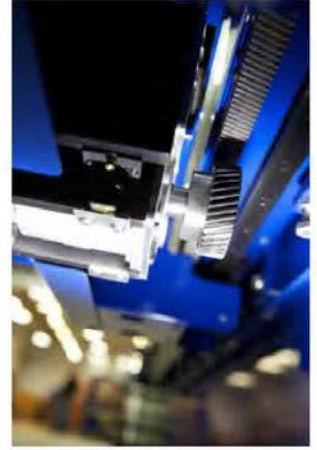
SPECIFICATIONS:

CONSTRUCTION:	Bridge and Rail Modular design allows for cutting table expansion
DIMENSIONS:	5'x10' up to 10'x40' Custom sizes available
CUTTING SPEED:	0 to 500 IPM, related to process and plasma power source
MAX. TRAVERSE SPEED:	1000 IPM
REPEATABILITY:	0.001"
POSITIONING ACCURACY:	0.002"
MATERIAL SUPPORT:	Waterbed with raise/lower system – Zoned downdraft with removable trays with CAD Fabrication drawings supplied
GANTRY:	6"x8" steel, fully machined Clearance under gantry: 6.5" 3/4" Agma 10 rack and pinions 1" Bosch linear bearings on machined surface Cables and hoses are protected by the structure and enclosed powertrack Welded and machined over sized end-trucks, for maximum stability Heat shield under gantry
RAILS:	3/4" Agma10 rack and 2.5" pinion gears Self cleaning V bearing rails Pedestal rail system, mid height
MOTORS:	True dual side drive, A/C servo motors Pneumatic pinion engagement with linear bearings Ultra precision helical planetary gearboxes for the smoothest motion
CNC CONTROLLER:	Edge Pro CNC controller Windows based, 15" glass touch screen 2 USB port and network connection Up to 1GB memory Phoenix software Part Program Support (PPS), Remote Help, Auto gas support, DXF import, and shape nesting 2 year warranty
MAX. TABLE CAPACITY:	4" material thickness, customizable
POWER SOURCE:	Hypertherm PowerMax 45 to 125, MaxPro 200 Hypertherm HPR 130XD to 800XD
MOTORIZED STATIONS:	2 max.
OXY/FUEL STATIONS:	3' max.
AUTOMATIC HEIGHT. CONTROLLER:	Machitech Automatic torch height control, uses arc voltage sampling to follow variations in material. Laser pointer integrated for plate alignment Magnetic torch breakaway system used to pause machine in case of collision
SUGGESTED NESTING SOFTWARE:	Hypertherm Cam Solutions, TurboNest or ProNest
OPTIONS AVAILABLE:	12" clearance under gantry Camera Dust collection system Electronic raise/lower system (waterbed) "Full suite" and "True Hole" technology by Hypertherm Ink jet or dot peen marker Oxy/fuel torch (anti-collision and quick change magnet system) Oxy/fuel automatic torch ignition Pneumatic scribe Removable trays for easy cleanout (waterbed) Security system (pull cord, light curtain) Source caption fume extraction Triple oxy/fuel

Diamond Cut - Unitized System

Designed for accurate and productive high precision cutting applications

- > Ideal for fabrication shops that require high quality cutting and increased productivity
- > Innovative inverse rail system
- > Exceptional accuracy and cut quality
- > Many system options available



FEATURES:

- Unitized system
- Modular design allows for table expansion
- Tables sizes: 5' x 10' up to 12' x 45'
- Custom table sizes and configurations available
- Zoned down draft or water table
- 6' x 8' heavy-duty fully machined steel gantry
- 1" Bosch linear bearings on machined surface of rails
- Bosch Rexroth A/C servo drive motors
- Sercos III servo drive motor controller
- 1" Bosch linear bearings on machined surface of gantry
- Helical Agma 10 rack and pinion
- Ultra precision helical planetary gearboxes
- Welded and machined over-sized end trucks
- Heat shield located under gantry
- Cables protected by power tracking
- Magnetic torch breakaway
- Hypertherm HyDefinition plasma cutters
- Hypertherm Edge Pro CNC controller
- Hypertherm Phoenix cutting software
- Hypertherm Cam Solutions ProNest software
- Windows-based, 15" touch screen monitor
- Machitech Automatic Torch Height Control
- Integrated self diagnostics
- Additional system options available
- Full part list and electrical schematics
- On-site installation included
- On-site training included
- Free lifetime remote support

Diamond Cut - Unitized System

Designed for accurate and productive high precision cutting applications

SPECIFICATIONS:

CONSTRUCTION:	Unitized Frame Modular design allows for cutting table expansion
DIMENSIONS:	Tables sizes: 5'x10' up to 12' x 45" Custom sizes available
CUTTING SPEED:	0 to 500 IPM, related to process and plasma power source
MAX. TRAVERSE SPEED:	1400 IPM
REPEATABILITY:	0.002"
POSITIONING ACCURACY:	0.001"
MATERIAL SUPPORT:	Waterbed with raise/lower system – Zoned downdraft with removable trays with CAD Fabrication drawings supplied
GANTRY:	6" x 8" steel, fully machined Clearance under gantry: 8.5" 3/4" Agma 10 rack and pinions 1" Bosch linear bearings, on machined surfaces Cables and hoses are protected by the structure and enclosed power track Welded and machined over sized end-trucks, for maximum stability Heat shield under the gantry
RAILS:	Inverted highly accurate 3/4" Agma10 Helical rack and pinions protected against dust and material impact and 1" Bosch linear bearings, on machined surfaces Rails are installed on the material support (unitized design)
MOTORS:	Dual side drive, Bosch Rexroth A/C Servo motors with digital Sercos III drive controller. Pneumatic pinion engagement with linear bearings Ultra precision helical planetary gearboxes for the smoothest motion
CNC CONTROLLER:	Edge Pro CNC controller, SercosIII Windows based, 15" glass touch screen 2 USB port and network connection Up to 1GB memory Phoenix software Part Program Support (PPS), Remote Help, Auto gas support, DXF import, and shape nesting 2 year warranty
MAX. TABLE CAPACITY:	4" material thickness, customizable
POWER SOURCE:	Hypertherm PowerMax 45 to 125, MaxPro 200, and HPR 130XD to 800XD
MOTORIZED STATIONS:	2 max.
OXY/FUEL STATIONS:	3 max.
AUTOMATIC HEIGHT. CONTROLLER:	Machitech Automatic torch height control, uses arc voltage sampling to follow variations in material. Laser pointer integrated for plate alignment Magnetic torch breakaway system used to pause machine in case of collision
SUGGESTED NESTING SOFTWARE:	Hypertherm Cam Solutions, TurboNest or ProNest
OPTIONS AVAILABLE:	5-axis bevel cutting head 5HP drilling station 7.5HP drilling station Camera Dust collection system Electronic raise/lower system (waterbed) "Full suite" and "True Hole" technology by Hypertherm Ink jet or dot peen marker Oxy/fuel automatic torch ignition Oxy/fuel torch (anti-collision and quick change magnet system) Pneumatic scribe Removable trays for easy cleanout (waterbed or downdraft) Security system (pull cord, light curtain)

Platinum Cut - Bridge & Rail System

Built for heavy plate cutting and high volume production

- > For steel industries such as shipyards, plate processing facilities and structural steel fabricators.
- > The Platinum Cut is an ideal table for processing large sheets
- > Exceptional accuracy and cut quality
- > Many system options available



FEATURES:

- Bridge & rail system
- Modular design allows for table expansion
- Tables sizes: 10' x 20' up to 20' x 80'
- Custom table sizes and configurations available
- Zoned down draft or water table
- 12' x 12' heavy-duty, fully machined steel gantry
- 1.5" Bosch linear bearings on machined surface of gantry
- Bosch Rexroth A/C servo drive motors
- Sercos III servo drive motor controller
- 2" Bosch linear bearings on machined surface on rails
- Helical Agma 10 rack and pinion
- Highly accurate, patented inverse rail system
- Ultra precision helical planetary gearboxes
- Welded and machined over-sized end trucks
- Heat shield located under gantry
- Cables protected by power tracking
- Magnetic torch breakaway
- Hypertherm HyDefinition plasma cutters
- Hypertherm Edge Pro CNC controller
- Hypertherm Phoenix cutting software
- Hypertherm Cam Solutions ProNest software
- Windows-based, 15" touch screen monitor
- Machitech Automatic Torch Height Control
- Full part list and electrical schematics
- On-site installation included
- On-site training included
- Free lifetime support by phone & email

Platinum Cut - Bridge & Rail System

Built for heavy plate cutting and high volume production

SPECIFICATIONS:

CONSTRUCTION:	Bridge & Rail Frame Modular design allows for cutting table expansion
DIMENSIONS:	10'x20' up to 20'x80' Custom sizes available
CUTTING SPEED:	0 to 500 IPM, related to process and plasma power source
MAX. TRAVERSE SPEED:	800 IPM
REPEATABILITY:	0.003"
POSITIONING ACCURACY:	0.001"
MATERIAL SUPPORT:	Waterbed with raise/lower system – Zoned downdraft with removable trays with CAD Fabrication drawings supplied
GANTRY:	12" x 12" steel, fully machined Clearance under gantry: 12" 3/4" Helical Agma 10 rack and pinions 1.5" Bosch linear bearings, on machined surfaces Cables and hoses are protected by the structure and enclosed power track Welded and machined over sized end-trucks, for maximum stability Heat shield under the gantry
RAILS:	Inverted highly accurate 1.25" helical Agma10 rack and pinions Optional 1.25" inverted rails with 2" Bosch linear bearings, on machined surfaces Inverted highly accurate 1.25" helical Agma10 rack and pinions protected against dust and material impact
MOTORS:	Dual side drive, Bosch Rexroth A/C Servo motors with digital Sercos III drive controller. Pneumatic pinion engagement with linear bearings Ultra precision helical planetary gearboxes for the smoothest motion
CNC CONTROLLER:	Edge Pro CNC controller, SercosIII Windows based, 15" glass touch screen 2 USB port and network connection Up to 1GB memory Phoenix software Part Program Support (PPS), Remote Help, Auto gas support, DXF import, and shape nesting 2 year warranty
MAX. TABLE CAPACITY:	8" material thickness, customizable
POWER SOURCE:	Hypertherm HPR 130XD to 800XD
MOTORIZED STATIONS:	2 max.
OXY/FUEL STATIONS:	8 max. Belt system
AUTOMATIC HEIGHT. CONTROLLER:	Machitech Automatic torch height control, uses arc voltage sampling to follow variations in material. Laser pointer integrated for plate alignment Magnetic torch breakaway system used to pause machine in case of collision
SUGGESTED NESTING SOFTWARE:	Hypertherm Cam Solutions ProNest
OPTIONS AVAILABLE:	5-axis bevel cutting head 20 HP drilling station Dust collection system Electronic raise/lower system (waterbed) "Full suite" and "True Hole" technology by Hypertherm Ink jet or dot peen marker Oxy/fuel automatic torch ignition Oxy/fuel torch (anti-collision and quick change magnet system) Pneumatic scribe Removable trays for easy clean out (waterbed or downdraft) Security system (pull cord, light curtain) Tool changer (up to 6 tools)

Titanium Cut - Bridge & Rail System

Plate processing machine for high production volume & industrial manufacturing

- > Multi-process, plasma, oxy-fuel, bevel cutting and drilling
- > High volume production
- > Heavy-duty construction
- > High quality precision components
- > Sheet metal to heavy plate capability
- > Customize to user requirements



FEATURES:

- Bridge and rail system
- Modular design allows for table expansion
- Tables sizes: 10' x 20' up to 20' x 80'
- Custom table sizes and configurations available
- Zoned down draft or water table
- Dual 12' x 12' heavy-duty fully machined steel gantries
- Highly accurate, patented inverse rail system
- 2" Bosch linear bearings on machined surface of rails
- 1.5" Bosch linear bearings on machined surface of gantry
- Helical Agma 10 rack and pinion
- Bosch Rexroth A/C servo drive motors
- Sercos III servo drive motor controller
- Ultra precision helical planetary gearboxes
- Welded and machined over-sized end trucks
- Heat shield located under gantry
- Cables protected by power tracking
- 30 HP drill station located in the middle of the dual gantry for rigidity and optimum stability
- 30 HP drill station can tap and drill 2" holes
- Automatic tool changer allows for up to 6 tools on the drilling station
- SOMEX Max 200 drilling system integrated with 30 HP Bosch Rexroth servo motor
- Hypertherm HyDefinition plasma cutters
- Hypertherm Edge Pro CNC controller
- Hypertherm Phoenix cutting software
- Hypertherm Cam Solutions ProNest software
- Windows-based, 15" touch screen monitor
- Machitech Automatic Torch Height Control
- Integrated self diagnostics
- Full part list and electrical schematics
- On-site installation included
- On-site training included
- Free lifetime support by phone & email

Titanium Cut - Bridge & Rail System

Plate processing machine for high production volume & industrial manufacturing

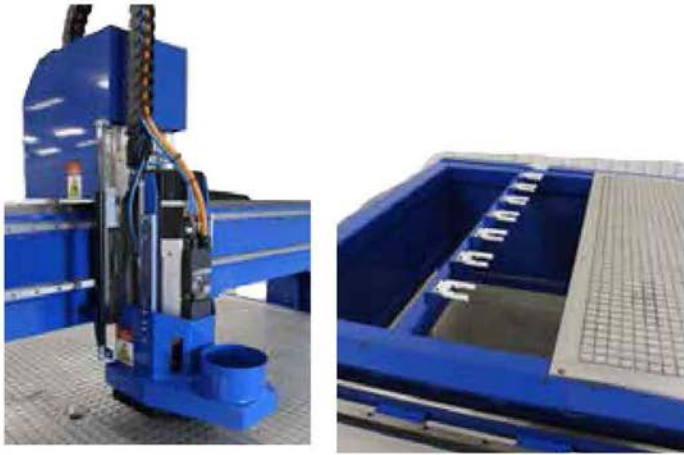
SPECIFICATIONS:

CONSTRUCTION:	Bridge and Rail Modular design allows for cutting table expansion
DIMENSIONS:	10' x 20' up to 20' x 80' Custom sizes available
CUTTING SPEED:	0 to 500 IPM, related to process and plasma power source
MAX. TRAVERSE SPEED:	800 IPM
REPEATABILITY:	0.003"
POSITIONING ACCURACY:	0.001"
MATERIAL SUPPORT:	Waterbed with raise/lower system – Zoned downdraft with removable trays with CAD Fabrication drawings supplied
GANTRY:	Dual 12" x 12" steel, fully machined Clearance under gantry: 12" 3/4" helical Agma10 rack and pinions 1.5" Bosch linear bearings, on machined surfaces Cables and hoses are protected by the structure and enclosed powertrack Welded and machined over sized end-trucks, for maximum stability Heat shield under the gantry
RAILS:	Inverted highly accurate 1.25" helical Agma10 rack and pinions protected against dust and impact. 2" Bosch linear bearings, on machined surfaces and floor mounted rails
MOTORS:	Dual side drive, Bosch Rexroth A/C Servo motors with digital Sercos III drive controller. Pneumatic pinion engagement with linear bearings Ultra precision helical planetary gearboxes for the smoothest motion
CNC CONTROLLER:	Edge Pro CNC controller, SercosIII Windows based, 15" glass touch screen 2 USB port and network connection Up to 1GB memory Phoenix software Part Program Support (PPS), Remote Help, Auto gas support, DXF import, and shape nesting 2 year warranty
MAX. TABLE CAPACITY:	8" material thickness, customizable
POWER SOURCE:	Hypertherm HPR 130XD to 800XD
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AUTOMATIC HEIGHT. CONTROLLER:	Machitech Automatic torch height control, uses arc voltage sampling to follow variations in material. Laser pointer integrated for plate alignment Magnetic torch breakaway system used to pause machine in case of collision
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OPTIONS AVAILABLE:	5-axis bevel cutting head 30HP drilling station Dust collection system Electronic raise/lower system (waterbed) "Full suite" and "True Hole" technology by Hypertherm Ink jet or dot peen marker Oxy/fuel automatic torch ignition Oxy/fuel torch (anti-collision and quick change magnet system) Pneumatic scribe Removable trays for easy clean out (waterbed or downdraft) Security system (pull cord, light curtain) Tool changer (up to 6 different tools)

Routers - Unitized System

The best cutting and machining of non-ferrous materials.

- Can cut wood, plastic and aluminum.
- Equipped with a 10HP spindle, 8 stations automatic tool changer and many other features.
- Custom table dimensions available



FEATURES:

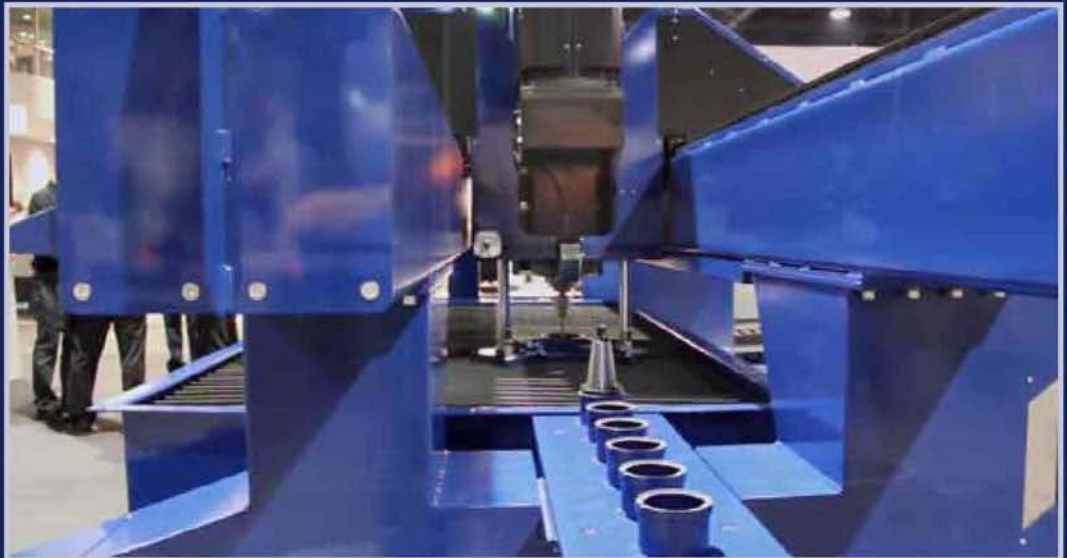
- Unitized system
- Tables sizes: 5'x10', 6' x 12' or 8' x 24'
- Solid aluminum grid table top with 4 vacuum zone selection
- HSD Spindle 10HP 24 000 RPM ISO30
- 8 stations tool changer (standard)
- Automatic tool measuring
- Automatic material sensing
- Automatic pop-up pins for material referencing
- Low maintenance 10HP bush vacuum pump
- Tool package including:
 - 8 ISO30 toolholders
 - 8 ER32 spring collets (standard sizes)
 - 2.5' facemill
 - wrench
 - Bench block for tool assembly
- Full parts list and electrical schematics included
- On-site installation included
- On-site training included
- Free lifetime remote support

Routers - Unitized System

The best cutting and machining of non-ferrous materials.

SPECIFICATIONS:

CONSTRUCTION:	Unitized system
DIMENSIONS:	5'x10', 6' x 12' or 8' x 24' Custom sizes available
CUTTING SPEED:	1200 IPM
MATERIAL SUPPORT:	Solid aluminum grid table top with 4 vacuum zone selection
GANTRY:	Helical rack and pinion drive on X axis Dual drive High precision linear rails Automatic squaring
RAILS:	Helical rack and pinion drive on Y axis High precision linear rails
MOTORS:	Brushless servo motors
CNC CONTROLLER:	Machitech CNC controller including industrial sealed enclosure, industrial fanless touchscreen computer, remote help technology, USB port, keyboard and mouse Standard G-Code supported
POWER SOURCE:	HSD Spindle 10HP 24000 RPM ISO30
Z AXIS:	Counter-balanced ballscrew drive
OPTIONS AVAILABLE:	Micro-lubricator for cutting aluminium



Leading manufacturer of automated cutting solutions

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