

Industrial CNC Plasma Cutting Systems

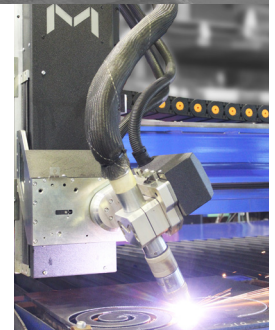
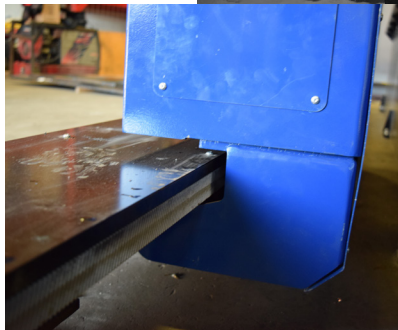
North America
1-888-988-7220 (Toll Free)
sales@machitech.com
www.machitech.com



PlatinumCut - Heavy plate cutting

Bridge and 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 HD is an ideal table for processing large sheets
- Exceptional accuracy and cut quality
- Many system options available



FEATURES:

- Bridge & rail system
- Modular designs allows for table expansion down the road
- Table sizes: 10' x 20' up to 30' x 80'
- Custom table sizes and configurations available
- Zoned down draft or water table
- 12" x 12" heavy duty fully machined steel gantry
- Bosch linear ways on rails and gantry
- Bosch Rexroth A/C servo drive motors with Ethercat
- Helical Agma 10 rack and pinion gears
- Innovative inverted rail system
- Ultra precision helical planetary gearboxes
- Magnetic torch breakaway
- Hypertherm HyDefinition plasma cutters
- Hypertherm Connect CNC controller with ProNest
- Machitech Automatic Torch Height Control
- Full part list and electrical schematics
- On-site installation and training included
- Free lifetime remote support

PlatinumCut - Heavy plate cutting

SPECIFICATIONS:

FEATURES	<ul style="list-style-type: none"> • For heavy steel processing, plate cutting facilities, structural steel fabricators, OEM's • Heavy duty gantry and rail system • Dual drive technology • Innovative inverted rail system to protect rails and rack & pinions against dust and material impact • Modular design allows for future expansion
CONSTRUCTION	<ul style="list-style-type: none"> • Fully welded / machined steel gantry • Modular design (pedestal rail) • Separate table (water / downdraft) can be provided by customer or Machitech
GANTRY	<ul style="list-style-type: none"> • 12" x 12" steel, welded and machined • Over-sized end trucks, for maximum stability • Clearance under gantry: 12" • 3/4" Agma 10 helical rack and pinion • 35mm Bosch linear ways on machined surfaces • Cables and hoses are protected by the structure and enclosed power track • Heat shield under the gantry
RAILS	<ul style="list-style-type: none"> • Highly accurate 1.25" Agma10 helical rack and pinions • 35mm Bosch linear ways on machined surfaces • Floor mounted rails
TABLE SIZES	<ul style="list-style-type: none"> • 10' x 20' up to 30' x 80' • Custom sizes and configurations available
CNC	Hypertherm Edge Connect: <ul style="list-style-type: none"> • Windows based • 2 USB port, network connection • Phoenix software • Shape library • Part Program Support (PPS), Remote Help, Auto gas support, DXF import, and shape nesting • 2 year warranty
SOFTWARE	Hypertherm Cam: <ul style="list-style-type: none"> • Pronest 2019
DRIVES	Digital AC Servo 3.8 KW / axis
GEARBOX	<3 arcminute Ultra Precision helical planetary
RACK & PINION	1.25" face – Agma 10 Helical
MAX. STATIONS	4 Plasma , 8 Oxy-fuel (custom qty)
PLASMA OPTIONS	Hypertherm HPRXD, XPR170 or XPR300

HYPERTHERM TRUE HOLE ENABLED	Yes
HYPERTHERM FULL SUITE	Yes - optional
HEIGHT CONTROL	• Machitech THC
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"
TABLE TYPE	<ul style="list-style-type: none"> • Water table with raise/lower system • Zoned downdraft with removable trays • Table drawings available
TABLE CAPACITY	8" standard (custom available)

OPTIONS AVAILABLE:

AUTO SLAG REMOVAL SYSTEM	Yes
CAMERA	Yes
DOT PEEN MARKER	Yes
DRILL	Yes (see Platinum Cut HD specifications)
DRILL TOOL CHANGER	Yes (see Platinum Cut HD specifications)
DUST COLLECTION SYSTEM	Yes - different systems and options available
EXTRA HIGH CLEARANCE	Yes - custom
INK JET MARKER	Yes
OXY-FUEL BEVELING	<ul style="list-style-type: none"> • Straight line bevel adaptor • Triple torch straight line beveller
PLASMA BEVELING	<ul style="list-style-type: none"> • 5 axis contour beveller • Straight line bevel adaptor
PULL CORD	Yes
ROTARY PIPE/TUBE PROCESSING	<ul style="list-style-type: none"> • 10' long • 20' long
SCRIBER	Yes