

Industrial CNC Plasma Cutting Systems

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Titanium Cut - Multi-process solution

Plate processing machine for high production volume & industrial manufacturing

- Heavy-duty bridge & rail system
- Multi-process: plasma, oxy-fuel, bevel cutting and drilling
- High volume production
- High quality precision components
- Sheet metal to heavy plate capability
- Customized to user requirements



FEATURES:

Bridge and rail system

Modular design allows for table expansion down the road

Table sizes: 10 x 20 up to 30 x 120

Custom table sizes and configurations available

Zoned down draft or water table

Dual 12 x 12 heavy-duty fully machined steel gantries

Innovative inverted rail system

Bosch linear ways on rails and gantry

Bosch Rexroth A/C servo drive motors with Sercos III controller

Helical Agma 10 rack and pinion

Ultra precision helical planetary gearboxes

Welded and machined over-sized end trucks

SUHNER Max 200 drilling system with Bosch servo motors

40 HP drill station can drill up to 3 holes and tap 1

Automatic tool changer allows for up to 6 tools

Hypertherm J13BOE93 plasma cutters

Hypertherm Edge 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

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SPECIFICATIONS:

FEATURES	<ul style="list-style-type: none"> • For the heavy steel industry, plate cutting facilities, structural steel fabricators, OEM's • Heavy demand drilling / tapping • Heavy duty dual beam 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"> • Dual 12" x 12" steel, welded and machined • Over-sized end trucks, for maximum stability • Clearance under gantry: 12" • 1.25" Agma10 helical rack and pinion • 3 x 35mm Bosch linear ways on machined surfaces • Cables and hoses are protected by the structure and enclosed powertrack • Heat shield under the gantry
RAILS	<ul style="list-style-type: none"> • Highly accurate 1.25" Agma10 helical rack and pinions • 45mm Bosch linear ways on machined surfaces • Floor mounted rails
TABLE SIZES	<ul style="list-style-type: none"> • 10' x 20' up to 30' x 120' • Custom sizes and configurations available
CNC	Hypertherm Edge Connect: <ul style="list-style-type: none"> • Windows based, 15" glass touch screen • 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 • Tube Pro
DRIVES	Digital AC Servo 5 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	<ul style="list-style-type: none"> • 8" standard • Custom available

OPTIONS AVAILABLE:

AUTO SLAG REMOVAL SYSTEM	Yes
CAMERA	Yes
DOT PEEN MARKER	Yes
DRILL	• 40HP drill up to 3" and tap up to 1"1/2
DRILL TOOL CHANGER	<ul style="list-style-type: none"> • Linear - 6 tools standard • Custom quantity available
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"> • Triple torch straight line beveller • Straight line bevel adaptor
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