



CNC plasma plate and pipe cutting system

Plasmasonic

Cut, write, mark and perforate - all with one machine



The Plasmasonic series meets the highest standards of productivity, reliability and automation. Includes advanced CNC control with automatic parameter database and gas control. Combines plasma, oxy-fuel, and pipe cutting in the same machine. 5-axis head for weld preparation.

- The system design ensures smooth operation, even under tough conditions.
- The cutting head holder is magnetic, which allows rapid changes and avoids damage to the cutting head in the case of collision.
- Multiple plasma and oxy-acetylene cutting heads are optional. The controller allows the use of up to 4 cutting head-carriers (plasma and oxy-acetylene cutting heads with independent height adjustment), in any combination.



60 mm (2.4")
St37 steel



Sample tube cutting
unit with standard
cutting software



High Precision
drilling in 4 mm
(0.16") St37 steel



0.8 mm (0.03")
stainless steel



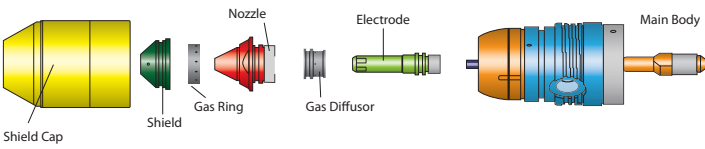
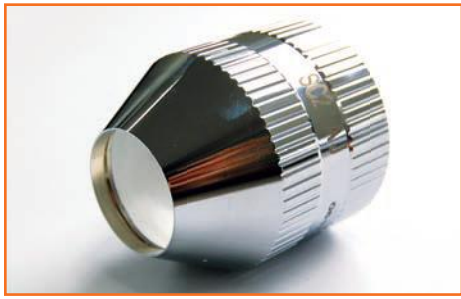
Various patterns



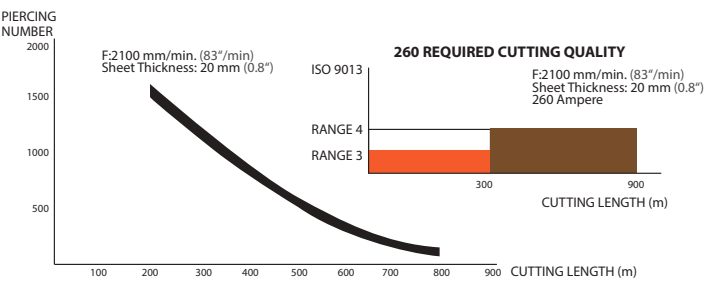
Bevel in 12 mm
(0.47") St37 steel



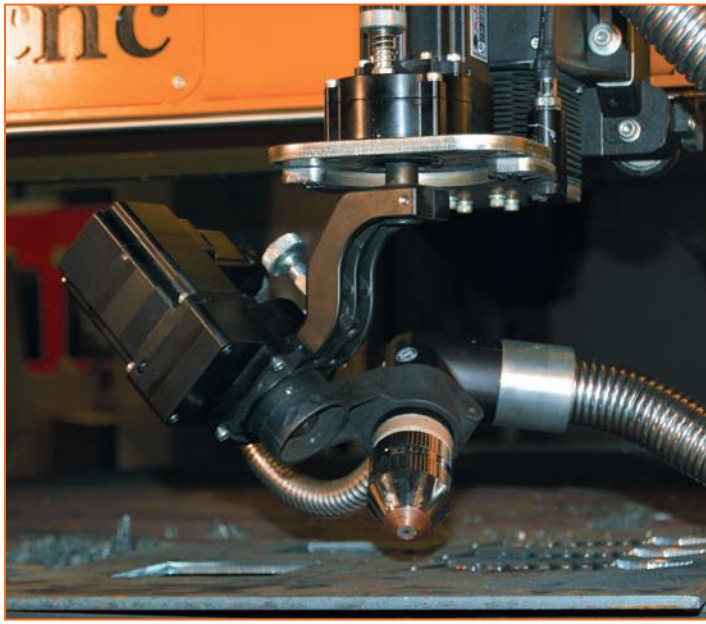
*The above specifications are subject to change without prior notice. No liability for printing mistakes. Machine may be shown with optional equipment.



Low consumable prices with proven long life



PP260 Electrode and Nozzle Required Life Time Chart



Standard configuration

- ✓ Solid, welded, high quality steel frame
- ✓ Automatic gas and air pressure adjustment for plasma and oxy-fuel cutting is done in a control unit
- ✓ Hand operating unit (allows parameter changes while cutting)
- ✓ Automatic height control
- ✓ Double filter unit VLP
- ✓ Automatic workpiece marking
- ✓ Ergonomic control panel
- ✓ Robust, stand-alone table with sectional fume extraction
- ✓ Import CNC files in DIN/ISO G, DXF and ESSI formats
- ✓ Design and edit parts with integrated CAD/CAM program
- ✓ Automatic nesting software
- ✓ Retrace-retry function (Reset the cutting head after a break)
- ✓ Function for automatic process shutdown in case of electrode and nozzle break
- ✓ Automatic look-ahead and feed regulation for tight radii
- ✓ Operation manual

Specifications		Plasmasonic 3015	Plasmasonic 4020	Plasmasonic 6030	Plasmasonic 12030
		6 x 10'	6 x 13'	10 x 20'	10 x 40'
Table length	mm	3000 (117")	4000 (156")	6000 (234")	12000 (468")
Table width	mm	2000 (79")	2000 (79")	3000 (117")	3000 (117")
Max. cutting speed	mm/min	7500 (292"/min)			9800 (382"/min)
Max. positioning speed	mm/min	15000 (580"/min)			
Repeatability	mm	±0.05 (0.02")			
Positioning accuracy	mm	±0.1 (0.04")			

Plasma specifications			PP130	PP260
LOW-CARBON STEELS	Cutting thickness	mm	16 (0.6")	30 (1.2")
	Max. thickness (piercing)	mm	25 (1")	36 (1.2")
	Max. thickness (non-piercing)	mm	35 (1.5")	65 (2.5")
STAINLESS STEELS	Cutting thickness	mm	12 (0.5")	20 (0.8")
	Max. thickness (piercing)	mm	20 (0.8")	36 (1.4")
	Max. thickness (non-piercing)	mm	25 (1")	65 (2.5")
	Control of gas pressure during cutting		Automatic	
	Gases used (plasma cutting)		Oxygen, air, nitrogen, F5, H35	
Gases used (oxy-fuel)		Oxygen, propane		

*The above specifications are subject to change without prior notice. No liability for printing mistakes. Machine may be shown with optional equipment.

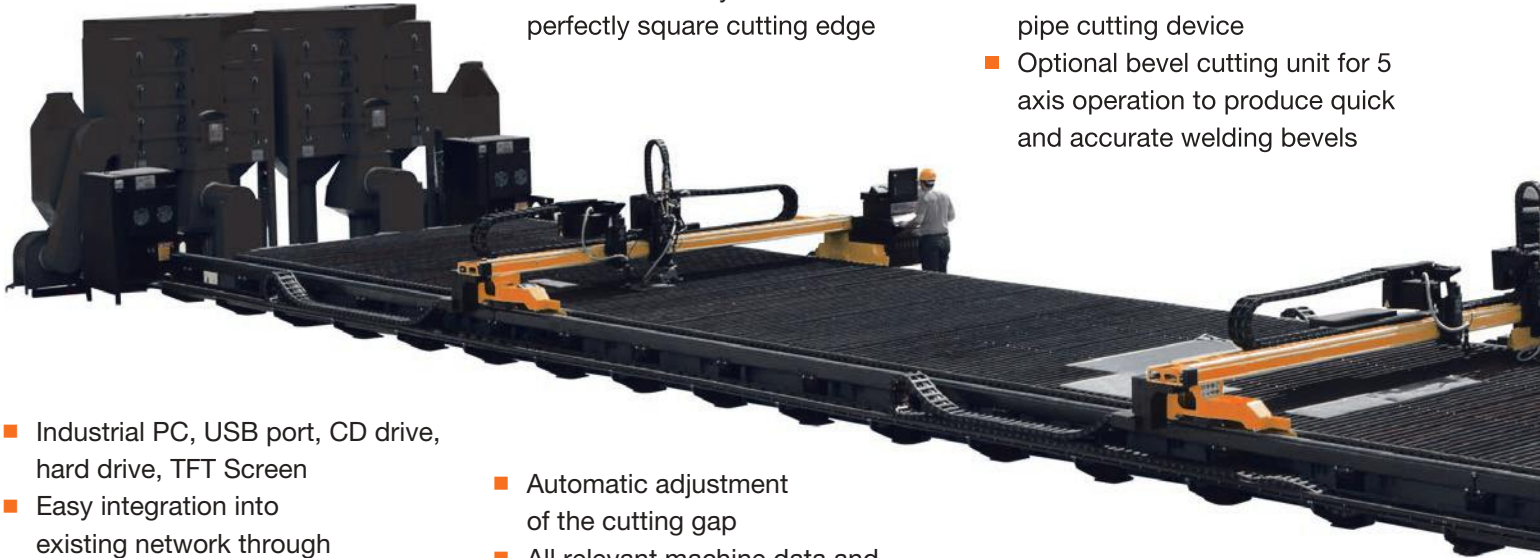


CNC plasma plate and pipe cutting system

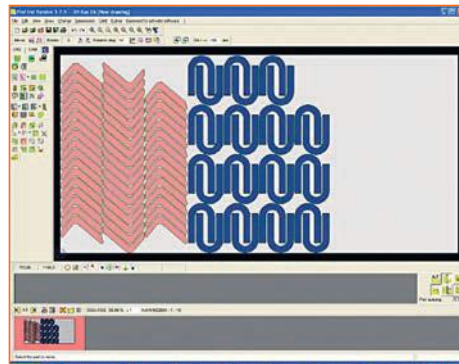
Plasmasonic

Cut, write, mark and perforate - all with one machine

- Dual AC servo motors precisely drive the bridge from both sides, which means no lag error
- User-friendly control panel allows not only the motors but also the source of power, suction and filtration systems to be monitored centrally
- Plasma cutting machines, which are equipped with our precision fine beam plasma generators are able to combine the highest cutting quality with low consumable cost. The fine-beam generators PP (Precision Plasma) ensure very fast piercing and high cutting speeds, with an unusually clean and almost perfectly square cutting edge
- Our plasma cutting machines are equipped with an automatic CNC-controlled gas mixing console, marking, cutting table equipped with sectional suction, suction unit and particulate filter system
- The flat bed machines can be combined with a pipe cutting device
- Optional bevel cutting unit for 5 axis operation to produce quick and accurate welding bevels



- Industrial PC, USB port, CD drive, hard drive, TFT Screen
- Easy integration into existing network through integrated network card
- CNC files can be imported in the following formats: ISO ESSI, G codes, DXF
- Extensive cutting parameter library
- Automatic setting of process parameters by the CNC (Included: gas mixture, gas pressure, regulation of cutting current, selection of feed rates, indication of nozzle/cap combination)
- Fast switching of the cutting process from plasma to oxy-fuel cutting and back
- NC program can be stopped at any point and then resumed from that point
- Override function during processing, in both automatic as well as manual mode
- Part rotation
- Automatic workpiece orientation
- Automatic adjustment of the cutting gap
- All relevant machine data and statuses are displayed at a glance
- Integrated standard parts library
- Editing and designing parts in the integrated CAD/CAM program
- High-speed operation
- Automatic look-ahead and feed regulation for tight radii
- Autonest program is included in the standard software package for optimal sheet usage
- Programmable microwebs



*The above specifications are subject to change without prior notice. No liability for printing mistakes. Machine may be shown with optional equipment.



ISO 9013 Range 3

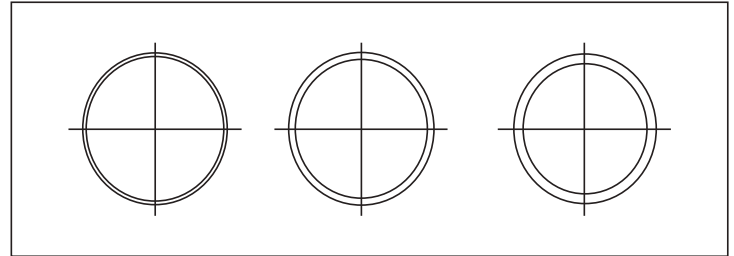
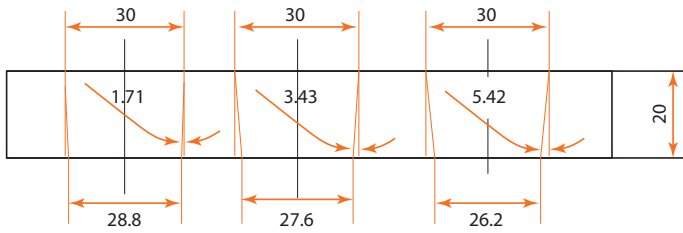
10 mm (0.4") Angle: 2.86°
 12 mm (0.5") Angle: 2.48°
 20 mm (0.8") Angle: 1.71°

ISO 9013 Range 4

10 mm (0.4") Angle: 5.71°
 12 mm (0.5") Angle: 4.95°
 20 mm (0.8") Angle: 3.43°

ISO 9013 Range 5

10 mm (0.4") Angle: 8.81°
 12 mm (0.5") Angle: 7.68°
 20 mm (0.8") Angle: 5.42°



Optional configuration

- Automatic pipe/profile cutter
- Automatic bevel cutting (Bevel Cut)
- Additional plasma cutting heads
- Additional oxy-fuel cutting heads
- Additional bridge unit



*The above specifications are subject to change without prior notice. No liability for printing mistakes. Machine may be shown with optional equipment.