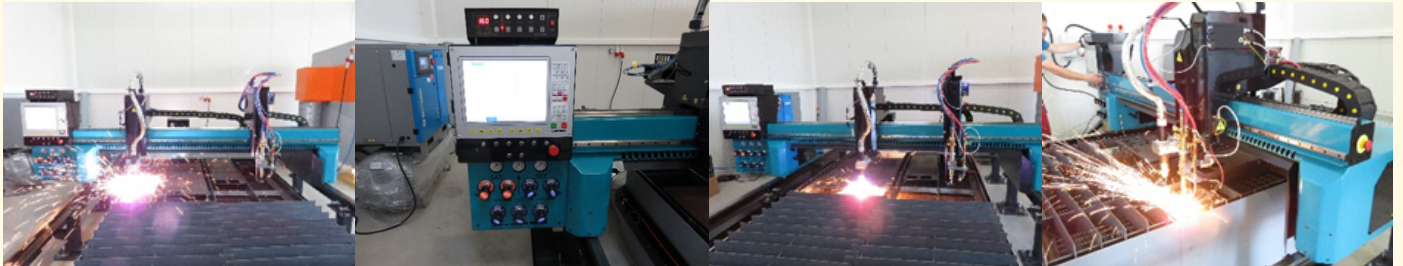

MARLIN

Fire Bridge - 1500-3000 (GP, P, G) Gas-plasma CNC cutting machine of the type "Professional"



The machine FIRE BRIDGE –1500-3000(GP,G,P) is designed for cutting sheet metal with a thickness from 0.5 to 200 mm (oxygen-propane cutting). This model of the machine is possible to use for work with any type plasma sources as precision (HD) as well standard cutting quality. You can order the equipment in any variant of cutting method according of your technical demands:

- 1) Type "P" - only plasma cutting, the plasma source is selected according to the customer's specification
- 2) Type "G" is only gas cutting, with the possibility of cutting low-carbon steels up to 200mm.
- 3) Type "GP" - universal gas-plasma cutting machine, with a cutting from 0,5 to 200 mm.

The dimensions of the working area of the machine are possible, in width: from 1600 to 3100mm with a period of 500mm, along the length from 3000mm to 24000mm with a period of 1000mm. The machine is offered with two variants of CNC:

- 1) "TEXCOMP" (ITALY) with touch monitors measuring 15",
- 2) "HYPERTHERM" (USA) with touch monitors measuring 15",17",19"
- 2) CNC "MARLIN" - with a 10" or 15" monitor, with Japanese servomotors and drivers "Panasonic".

Features of the machine design:

- all-welded beam without bolted connections
- Double linear guides "HIWIN" along the Y axis
- AC servo drive system (with a speed of 15,000 mm / min)
- Selection of CNC and monitor sizes
- automatic height control of the plasma torch (by arc voltage)
- semi-automatic ignition of the flame of the gas torch
- automatic height control of the flame torch with a capacitive sensor
- 2 ore 4-step mode of metal preheating for flame piercing (gas cutting)
- initial determination of the height control of the plasma torch (ohmic contact)
- Parking places for 2 torches are outside of the cutting area
- limit switches on each axis

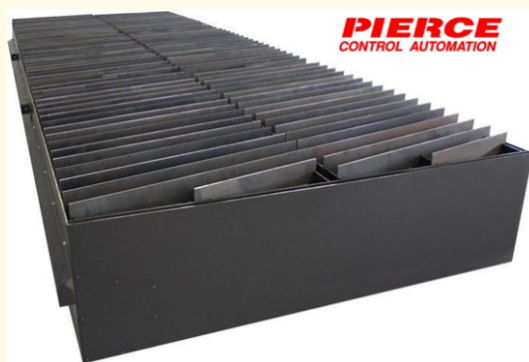
MARLIN

Basic equipment of the machine:

- CNC-Marlin-2300 (10 ")
- One Support Cutter to choose from Gas or Plasma.
- Double high-precision guides "PMI" or "HIWIN"(Taiwan).
- "Anti Collision" magnetic protection against the impact of the torch with cut out parts.
- Gas torch and gas reducers from the company "HARRYS"(Lincoln Electric).
- Height control of the plasma torch
- The cutting length is from 3 up to 24 m. Cutting width are variants: 1600, 2100,2600,3100 mm.
- Electro-pneumatic control of extraction valves in a cutting table
- Electric motors and controllers "PANASONIC"
- Double-sided milled rail guides.
- Travel speed up to 15.0 m / m.
- Thickness of cutting a metal sheet: 0.5-150mm
- Two-stage gas console (semi-automatic piercing up to 90mm)
- Positioning accuracy: better than + 0,15mm
- Cutting program Soft: CAD / CAM "FASTCAM-Standard".

OPTIONAL ACCESSORIES:

- German CNC "Power Automation", "Touch Screen" monitor- (15 ", 17", 19 ")
- Cutting section table with removal of exhaust gases cutting in three versions of "Light" - up to 125A (40mm). "Standard" - to 250A- (120mm), "Heavy Duty" - to 440A- (200mm) the maximum thickness of the sheet.
- Height control the of the oxygen torch.
- Four-stage gas console (semi-automatic piercing up to 150mm)
- Additional oxygen cutting torch 1-3pcs.
- Laser pointer with a cross marker.
- Direct Cutting with an angle (30-45 grad) of torch (slope of the torch for chamfering)
- Selection of cutting programs Soft CAD / CAM.-FastCam, "Intech-Cutting", "Lantek-Expert" (Spain)



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