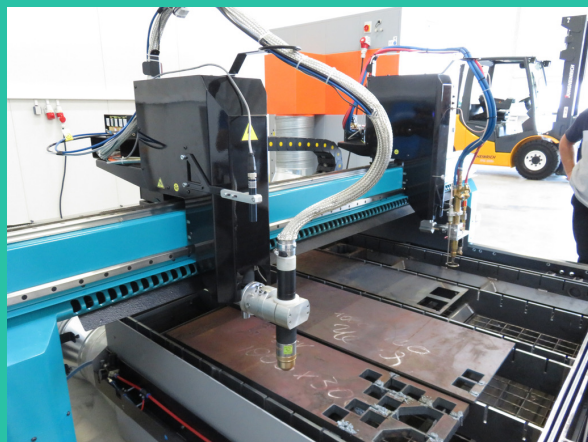


## FIRE BRIDGE

The machine FIRE BRIDGE –1500-3000 is designed for cutting sheet metal with a thickness from 0.5 to 200 mm (oxy-fuel 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.



# Technical Features

Cutting type	Plasma / Oxy
Cutting width, mm	1500-300
Cutting length, mm	3000 – 24 000
Quantity of tools - supports for torches (option)	4 (6)
Max. thickness of material for oxy-fuel torch, mm	200
Max. thickness of material for plasma torch, mm	80
Max. cutting current of plasma, A	440
Type of CNC (option)	Marlin-15'(MEFI 15'-18')
Type of motor:	Servomotors
Max. moving speed, mm/min	15 000 (20 000)
THC plasma / oxy	Include / option
Oxy-fuel piercing steps (option)	2 – 4 (Automatic)
Position accuracy / Repeating accuracy, mm	0.1 / 0.25-0.35
Extraction table	Separate
Power input kW	3
Laser cross pointer	option



# Features of the machine design

- All-welded beam without bolted connections
- Double linear guides "PMI" (HIWIN as option) along the Y axis
- AC servo drive system (with a speed up to 20.000 mm / min)
- Selection of CNC and screen sizes
- Plasma torch height control by arc voltage
- Semi-automatic ignition of the flame of the gas torch
- Oxy-fuel torch height control by capacitive sensor
- High-low preheating for oxy-fuel cutting
- 4. step oxy-fuel piercing up to 200 mm material thickness
- Automatic gas console for oxy-fuel cutting with proportional valves
- IHS for plasma torch by ohmic contact
- Parking place for 2 torches outside of cutting area

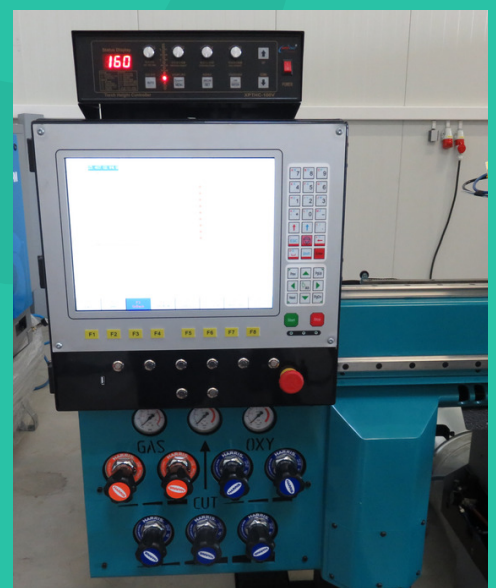
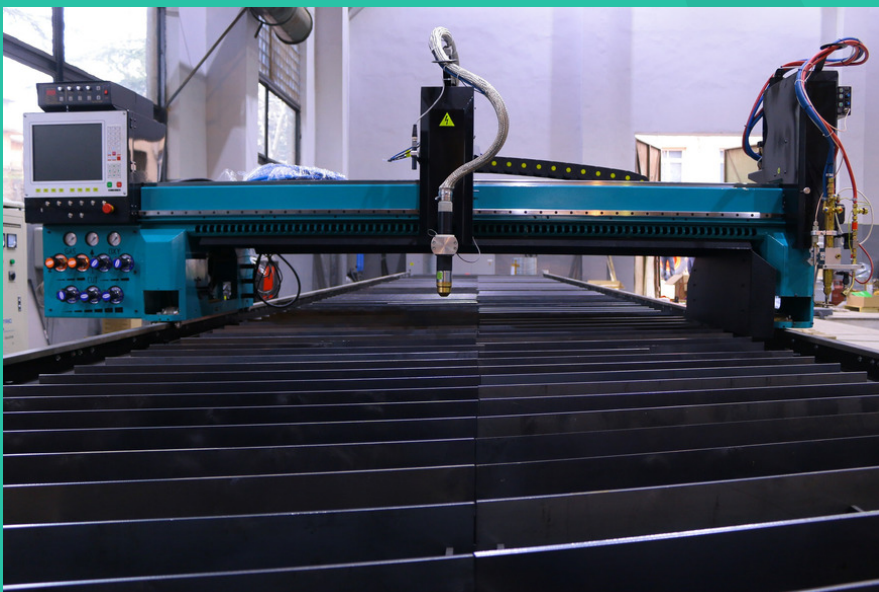
## Basic equipment of the machine

- CNC-Marlin-2500 screen 15'
- Double high-precision guides "PMI" or "HIWIN"(Taiwan).
- Collision magnetic protection against the impact of the torch with cut out parts.
- Oxy-fuel components by Harris company
- Torch height control for plasma by arc voltage.
- Pneumatic control of extraction valves in a cutting table
- Servomotors by Panasonic
- Double-sided milled rail guides on longitudinal axis.
- Travel speed up to 15000 mm/min
- Max. thickness of material for oxy-fuel torch - 200 mm
- Positioning accuracy: up to + 0,15mm
- CAD/CAM software FastCAM - Standard.



# Optional Accesories

- CNC MEFI 15'-18' touchscreen
- Cutting section table with removal of exhaust gases cutting in three versions of "Light" - up to 125A (50mm). "Standard" -to 300A- (120mm), "Heavy Duty" -to 440A- (200mm) the maximum thickness of the sheet.
- Three versions of extraction table: 1. Light - up to 125A (50mm), 2.Standard - up to 300A (120mm) 3. Heavy duty - up to 440A- (200mm)
- Oxy-fuel torch height control by capacitive sensor
- Four stage gas console semi-automatic piercing up to 200mm.
- Automatic gas console for oxy-fuel cutting with proportional valves
- Additional oxygen cutting torch 1-5 pcs.
- Laser cross pointer
- Tool for fixed cutting angle on oxy-fuel torch (30°,45°,60°)
- CAD/CAM software Wrykrys, Lantek-Expert

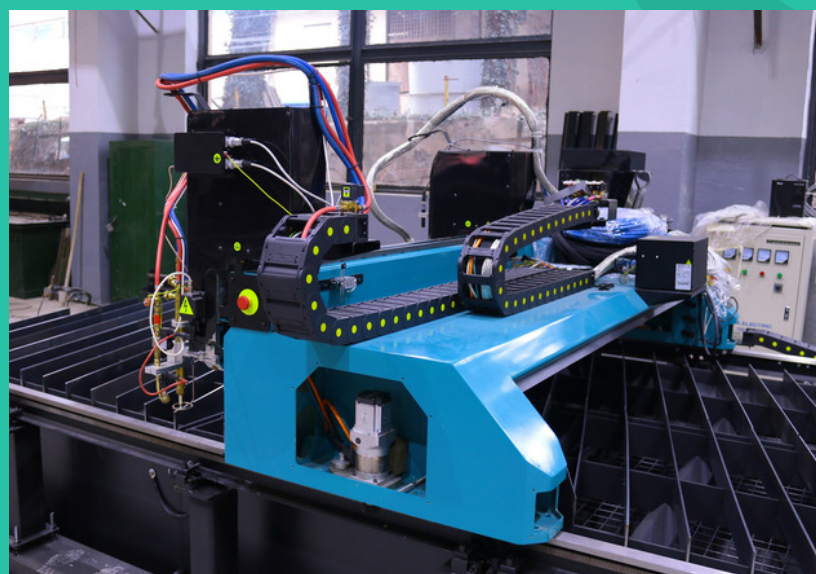
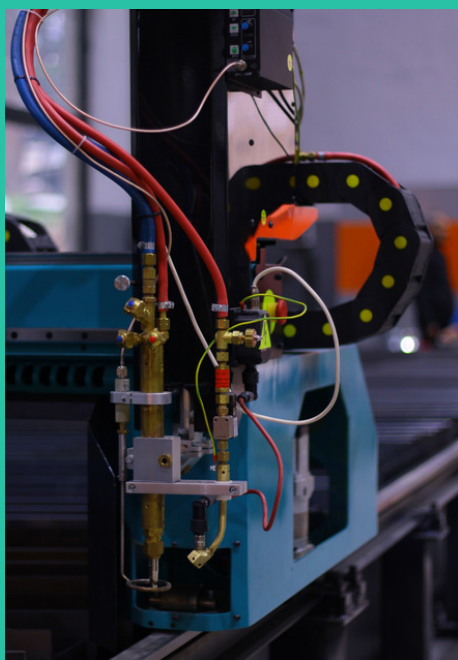


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We can offer few types of CNC:

- 1) CNC Marlin - with 15" screen, for all type of plasma sources with manual gas console.
- 2) CNC Hypertherm Edge Connect with touchscreen 17' - 19' for Hypertherm's plasma sources with automatic gas console
- 3) CNC Mefi with touchscreen 15' - 18' for any type of plasma sources with manual or automatic gas consoles



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