

LINEA NOVA - FLAME CUTTING

Product Features:

- Designed with a modular concept which makes it a versatile machine for excellence
- The portal is double beam: a front transverse slide through the carriages on two linear guides are protected by a metal cover and arranged in L and a back support and reinforcement.
- Right response to the needs of various kinds of steel structures. It can be set up immediately or at a later time with extreme ease, with various devices such as; heads for cutting bevel with both plasma torch cutting heads for drilling and tapping up to ISO40, tool changes and markers of various types and others that can be examined specifically.
- is a longitudinal twin motors with brushless motors and drives to digital. The movement is achieved by mating pinion and rack tilted teeth and a recovery device with spring preload games. The engines are absolute that is held in memory even when the position of the machine is switched off; very useful for long lengths which do not require the operation of the homing switch on the machine.
- An optional rack with helical teeth on the longitudinal axis and runways formed by longitudinal linear recirculation ball.
- Covers cutting widths up to 8.000 mm and lengths up to 80.000 mm.
- In Oxyfuel: it employs a system of distribution of gas through proportional valves fully managed by CNC which together with the data base of the cutting parameters, make the fully automatic adjustment of pressures and flows of oxygen cutting, heating and gas cutting. The oxy-fuel torches are available with automatic ignition, capacitive probes internal or external to the automatic height control.
- In Plasma: the automatic management of gas is ensured interfacing with various systems and the CNC. The data base of the cutting parameters developed by Soitaab ensures a high quality of cut on the pieces cut and holes with perfect precision.
- The SOITAAB CNC numerical controls and monitors the interactive menu with "touch screen" color, as the standard has a library of 78 figures fixed parameter, in addition to the database of the various technologies used on the machine where it is provided a rich archive of technological parameters heritage Soitaab and the result of years of experience. LineaTech NOVA+: Same features of NOVA with the difference to have a beam further reinforced for the application of drilling head ISO50.
- Available plasma generators up to 800 Ampere

Applications:

- Flame cutting, plasma cutting, marking, drilling/tapping



TECHNICAL FEATURES

Rail Span (min-max)	4.000 mm – 7.000 mm
Machine Length	2.000 mm
Useful Length with 4m rails	2.000 mm
Longitudinal Rails Beam Support HEB – STD	180 mm
Transversal Beam Construction	Double
Transversal guides	Roller-bearing Linear Guides
Guides Cover Protection	Yes
Rack	Helical Teeth
Longitudinal Motorization	Double
Displacement Speed	20 m/min
Quality Standard	ISO 9013 e EN DIN 28 206
Max. Number of Master Carriage	3
Max. Number of Slave Carriage (Plasma)	2
Max. Number of Slave Carriage (Oxy)	12
Double Master	2 Master Plasma + 1 Master Plasma or combo
Automatic Positioning of Transverse Carriages	Yes (optional)
Gas Distribution for Oxy Flame Cutting	Automatic Proportional Valves
Maximum Cutting Thickness with Oxy Flame	250-300 mm
Gas for Oxy Flame	Oxygen, Propane, Methane, Acetylene
Plasma Used	High Performance or equivalent
Max Plasma Power	Up to 800A
Bevel Plasma, Bevel Oxy	Yes, MR +-90°
Drilling Unit Type	ISO 30 for prehole
Changing Tools Type	Automatic (6 or 12)
Tubocut Type	Manual Lifting (automatic optional)
Pipe Diameter	From 76 mm to 650 mm
Absolute Coordinate	Yes
CNC Type	SOITAAB CNCII
Parametric Figures Library	STD, Up to 78
Database (Oxy or Plasma)	Yes

ACCESSORIES

Capacitive Height Sensor	SPT Bevel Head	Markers
Automatic Electric Ignition	Oxy MR (Manual Rotation) Head (3 Torches)	Drilling Head
Automatic Carriage Positioner	Oxy (Automatic Rotation) Head (3 Torches)	Scrap Conveyor

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