

MODEL	JANTAR
Drives	Servo AC
Cutting width	1500, 2000, 2500, 3000 mm
Basic working length	Any length from 1500 mm
Positioning speed	25000 mm/min
Cutting thickness	to 100 mm
Cutting quality	EN ISO 9013
Positioning accuracy	EN 28206
Safety standard	EN 13850

ADDITIONAL EQUIPMENT

- | | | | |
|---|--|--|---|
|  Gantry extension |  ESR System |  Filtroventilation |  Ventilation |
|  Plasma marking |  Drilling |  Punch marking |  Inkjet |
|  Heat shields |  Light barriers |  Compressor |  Air Booster |
|  Remote controller |  Suction table |  Automatic pallet table |  Water table |



The manufacturer reserves the right to make changes and/or improvements without notice.

SOFTWARE



And others...



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JANTAR

High speed, precision and versatility
The most popular plasma and oxygen cutting machine

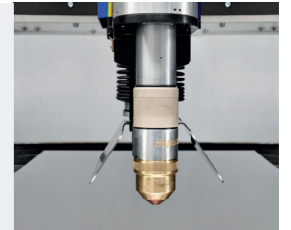
OXYGEN
PLASMA

JANTAR



1 SUPPORT HD3000

Support HD3000 enables full utilisation of the state of the art plasma torches. Application of the ball screw gear and high torque servomotor is the unique drive and support leading in Z axes resolution, which allows for more dynamic and increased accuracy in the torch control. This guarantees the perfect distance between the cutting head and the material for maximum cutting quality. Support HD3000 is equipped with sensors: anti-collision, electrical/mechanical touch and height sensor. This allows using technologies such as: Contour Cut®, Contour Cut Speed®, Diameter Pro® and True Hole®.



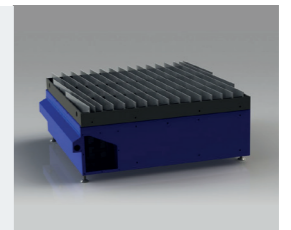
2 OXYGEN TORCH HARRIS

Oxygen torch is the cutting solution destined to cut structural low-carbon and low-alloy steel. It is capable of processing wide range of material thickness. The torch was fitted out the height sensor, automatic ignition and possibility of manual angle setting.



3 SUCTION TABLE

Modular section tables grant efficient elimination of dust during the cutting process. The cutting machine was implemented with the self-supporting construction as the base for the frame with replaceable grids. Such construction offers safe and the best possible safety and performance of the table. The cutting table is provided with intelligent system of dust discharge from the cutting area. Each segment consists of supporting structure with discharge channels, diagonal grid, scrap tank and pneumatic controlled channels.



4 CNC CONTROLLER

ECS872 centre is a high quality industrial device, equipped with touch screen. Efficient components and construction resistant to extreme production conditions guarantee failure free operation. Unsurpassed functionality of proprietary software and intuitive drive interface enable full exploitation of the machine's capacity.



5 CONSTRUCTION

Gantry construction is based on welded steel beams which thanks to stress relief is characterised by high rigidity while maintaining relatively small mass. Applied construction solutions assure stability of the machine geometry which is not prone to maladjustment during large mass or thermal loads. This ensures high process safety also for three shift working companies.



CHARACTERISTICS

Jantar is the most chosen model among all the Eckert's machines, because of its dynamics and cost effectiveness. Jantar is used by several hundred large and small companies in whole Europe that pursue unsurpassed performance and low working costs.

Jantar cutting machine can be equipped with plasma and oxygen system. Additionally its functionality can be improved by utilizing our wide range of additional equipment (plasma and punch marking, drilling and also tubes, pipes and profiles machining).

MAIN FEATURES

- ▶ Highly dynamic and precise in automated 2D cutting of sheets, tubes, beams
- ▶ Capability of processing plates up to 100 mm thickness
- ▶ Expanded base of predefined cutting parameters
- ▶ Unlimited possibility of increasing the length of the working area
- ▶ Machine with Kjellberg® Contour Cut™ technology and Hypertherm® True Hole™ certificate
- ▶ Remote management of the machine load
- ▶ Machine maintenance schedule assistant

STANDARD PLASMA POWER SUPPLIES

Hypertherm	Max piercing	Max from the edge	Kjellberg	Max piercing	Max from the edge
Powermax 65	16 mm	32 mm	PA-S45W	20 mm	45 mm
Powermax 85	20 mm	38 mm	HiFocus 80i	15 mm	25 mm
Powermax 105	22 mm	50 mm	HiFocus 130	25 mm	40 mm
MaxPRO 200	32 mm	75 mm	HiFocus 161i Neo	30 mm	50 mm
XPR 170	40 mm	60 mm	HiFocus 280i Neo	40 mm	70 mm
XPR 300	50 mm	80 mm	HiFocus 360i Neo	50 mm	80 mm



Given data depends on the material involved and its structure.
The ability to pierce depends on the material, thickness and also height sensor, and drive.