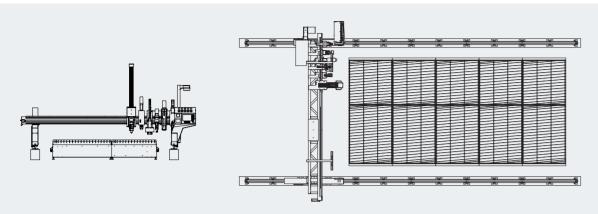
OXYGEN







MODEL	SAPPHIRE
Drives	Servo AC
Cutting width	2000-7000 mm
Basic working length	Any length from 1500 mm
Positioning speed	25000 mm/min
Cutting thickness	to 200 mm
Cutting quality	EN ISO 9013
Positioning accuracy	EN 28206
Safety standard	EN 13850

ADDITIONAL EQUIPMENT





















ESR System

Light barriers

Suction table



Vortex 3D head

Filtroventilation

Compressor

Autopositioning sheet for



And many more...

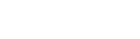
Ventilation

Air Booster

Water table







lantek



Pawicka 4c, 59-220 Legnica, Poland tel: +48 (76) 856 09 28, fax: +48 (76) 852 20 78 eckert@eckert.com.pl

www.eckert.com.pl



SAPPHIRE

Robust construction and high productivity for production in perfection One of the most awarded CNC cutting machine in it's class



Sapphire cutting machine is dedicated to work in the most severe production conditions. It is suitable for three shift work system and guarantees high quality processing to met your needs while keeping efficiency at a substantial level. Sapphire is defined by a stable

Sapphire, as optimal solution for the heavy industry, is popular among the machine production plants, shipyard, and among those who value efficiency and reliability. Considering a broad scope of applications (plasma and oxygen cutting, plasma marking, punch marking, drilling) the machine is a versatile tool created to meet even the most demanding customers' expectations. Sapphire cutting machine

construction and numerous outstanding technological solutions, which guarantee failure-free use.

has been utilized more than 400 industrial plants where it is proving its excellence.

▶ Highly dynamic and precise in automated 2D/3D cutting of sheets, tubes, beams

► Machine with Kjellberg® Contour Cut™ technology and Hypertherm® True Hole™ certificate

► Capability of processing plates up to 200 mm thickness Expanded base of predefined cutting parameters

Unlimited possibility of increasing the length of the working area



The fully automated plasma cutting head enables very precise bevelling and cham fering in a single sheet cutting process. Angle of rotation +/- 540° and head angle deflection +/- 47°, makes our cutting machine a universal tool able to work in three dimensions together with preparing welding phases on Y, V and K. Vortex 3D cutting head 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®.



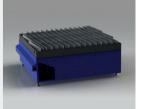
OXYGEN TORCH HARRIS

Oxygen torch is the cutting solution destined to cut structural low-carbon and low-allow 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.



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 gird, scrap tank and pneumatic controlled channels.



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



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.



Hypertherm	Max piercing	Max from the edge
Powermax 65	16 mm	32 mm
Powermax 85	20 mm	38 mm
Powermax 105	22 mm	50 mm
Powermax 125	25 mm	57 mm
MaxPRO 200	32 mm	75 mm
HPR 400 XD	50 mm	80 mm
HPR 800 XD	75 mm	160 mm
XPR 170	40 mm	60 mm
XPR 300	50 mm	80 mm

Kjellberg	Max piercing	Max from the edge
PA-S45W	20 mm	45 mm
HiFocus 80i	15 mm	25 mm
HiFocus 130	25 mm	40 mm
HiFocus 161i Neo	30 mm	50 mm
HiFocus 280i Neo	40 mm	70 mm
HiFocus 360i Neo	50 mm	80 mm
HiFocus 440i Neo	50 mm	120 mm
HiFocus 600i Neo	80 mm	160 mm





STANDARD PLASMA POWER SUPPLIES

piercing	the edge
16 mm	32 mm
20 mm	38 mm
22 mm	50 mm
25 mm	57 mm
32 mm	75 mm
50 mm	80 mm
75 mm	160 mm
40 mm	60 mm
50 mm	80 mm
	16 mm 20 mm 22 mm 25 mm 32 mm 50 mm 75 mm 40 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.

▶ Remote management of the machine usage ► Machine maintenance schedule assistant

CHARACTERISTICS

MAIN FEATURES