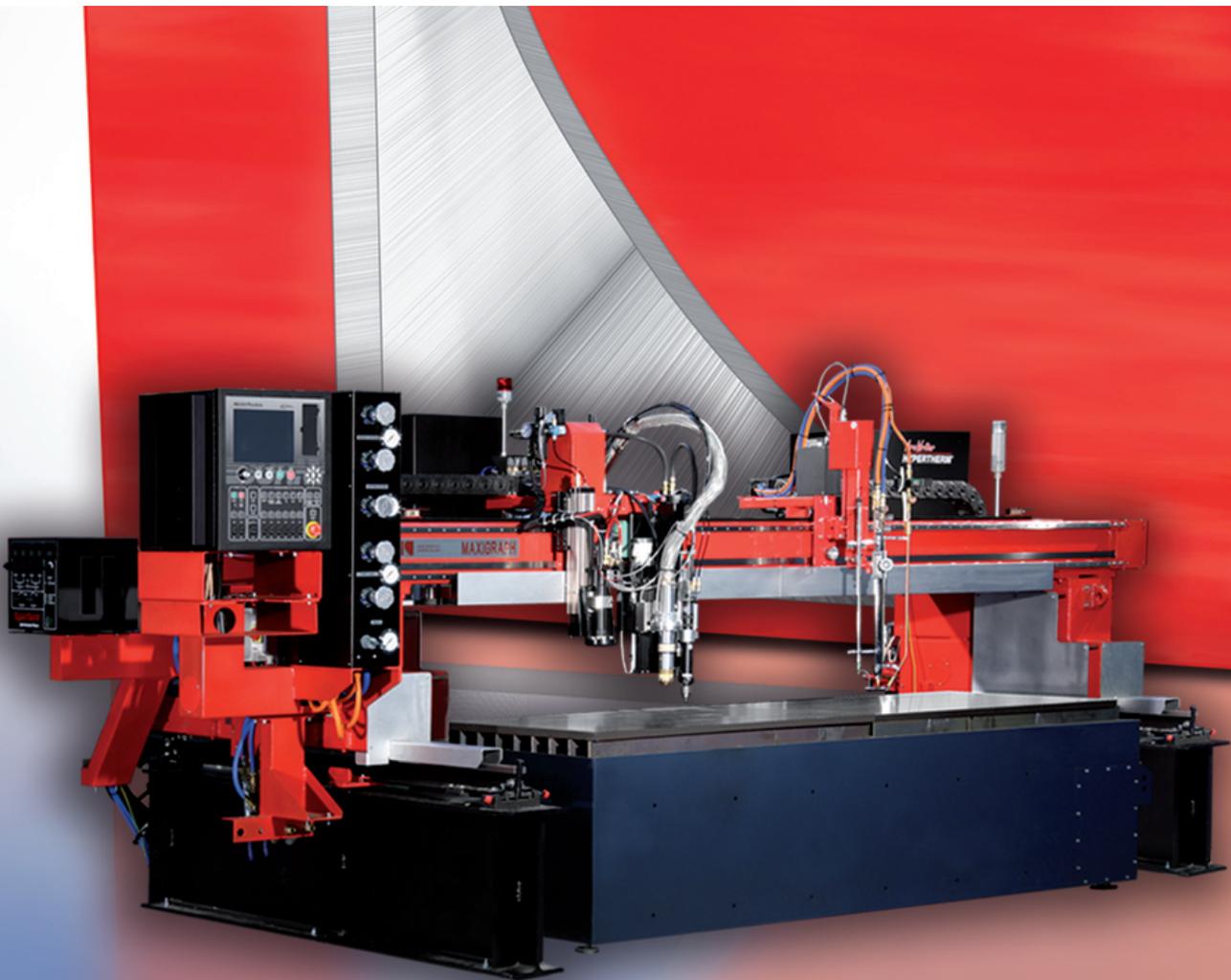


 **KOIKE**



MAXIGRAPH
Efficient and Modular

MAXIGRAPH

Efficient and Modular

The body has a gantry structure and dual side drive systems. Work proceeds smoothly at all times since the body is well balanced and very responsive. A rack and pinion backlash free drive is used for both the cross (X-axis) and longitudinal (Y-axis) directions, which achieves accurate and repeatable motion. Highly accurate, smooth operation is assured thanks to precision machined steel rails and a stable longitudinal drive mechanism. Up to five additional carriages can be attached to a steel band which is not susceptible to slag deposits. The specialized rapid-action coupling allows for efficient manual positioning of the tool carriages and multi-torch cutting.

- Proven in high demanding production environments
- Easy to use, very low maintenance and long lifetime of the solid and rugged machine
- Wide range of cutting thicknesses performed with oxy-fuel and plasma cutting tools
- High speed and high precision plasma up to 400 amps available for nearly all cutting requirements
- Simplified operation via touchpanel control with proven Burny Phantom CNC
- Various marking devices for almost any marking requirement available



Smart and Reliable

The rugged and solid portal machine is available in various sizes from 3.500 to 5.000mm. The base rail length can be extended by 3.000 mm increments so the machine can be customized for standard and oversized plate dimensions. The machine consists of a solid gantry portal construction which ensures perfect stiffness over the entire machine width. The precision machined rails are installed below the cutting table height. This allows easy loading and unloading of the table with forklift trucks and cranes by minimizing the risk of collisions. The Maxigraph can be equipped with up to six oxy-fuel cutting torches for processing mild steel with thicknesses of up to 200 mm. Each oxy-fuel torch can be equipped with a reliable, automatic ignition device and an automatic capacitive height control for precise cutting. For oxy-fuel cutting processes without automatic height control, KOIKE's special designed oxy-fuel nozzle (D7) achieves perfect results. Various plasma cutting systems for material thicknesses of up to 40mm are available for cutting mild steel, stainless steel or aluminium. Numerous options, like arc marking or centre drilling are also available on the Maxigraph.



Reliable and Comfortable Control

The new Burny Phantom Plus is a completely integrated Control System featuring a PC-based numerical control, 3 axis drive amplifiers and a comprehensive operators console. The Phantom provides the latest advances in CNC technology on a proven platform engineered to increase productivity. The Burny Phantom CNC controller is the successful combination of a broad functional range and facilitated operation via touchpanel. Comprehensive control possibilities ensure reliable reproducible quality even in extremely hard industrial use. All processes are directly controlled by the system so additional manual settings are eliminated. Cutting data may however be customized. The dynamic speed regulation serves optimum cutting results, in particular on corners and tangential transitions. This results in a constant cutting quality, reduced setting times and high quality production.

Available options

HPR-SERIES

The HyPerformance Plasma HPR series is a mechanised metal cutting solution that delivers HyDefinition cut quality at half the operating costs. It provides HyDefinition's virtually dross-free cut quality but does it with greater speed and up to two times longer consumable life. Cut quality is consistent across a full range of plate thickness.



AUTO GAS CONSOLE

The Auto Gas Console is a gas delivery system which is completely controlled from the CNC interface. The system supports all processes and allows users to make real time changes while cutting as well as diagnose and troubleshoot. All plasma parameters are adjustable and are stored at the CNC.



Maxigraph	
Machine structure	Gantry style, dual side drive
Control panel	Left-hand use (Right-hand optional)
Drive system	Backlash free AC-drives
Rail span	3.500 /4.000 /4.500 /5.000 mm
Effective cutting width	2.600 /3.100 /3.600 /4.100 mm
Effective cutting length	Rail length -1.750 mm
Rail	Precision machined railway rails, increments of 3.000 mm
Torch support	Steel band quick clamping device
Max. cutting speed	6.000 mm/min
Marking speed	9.000 mm/min
Rapid traverse speed	15.000 mm/min
CNC unit	Burny Phantom
Number of tools	6 torches (2 plasma max.)
Minimum torch distance	125 mm
Pre-heat gas control	Hi-Low pre-heat gas control system
Power supply voltage	230 V - 50 Hz /60 Hz
Available plasma power sources	KOIKE Super 400 Plus Hypertherm HSD & HPR-Series

HYPERTHERM AIR PLASMA

KOIKE offers a broad variety of reliable low cost plasma systems for its complete range of thermal cutting machines. These proven systems are available from different well-known manufacturers like Hypertherm or Kjellberg. Please ask us for more details.



PNEUMATIC DRILL-MARKING UNIT

Whenever the application demands drilling, here's the answer. The KOIKE drill-marking unit provides the means to accurately mark the spots where, once the cutting process has been finished, holes can be drilled. Pneumatically driven, this unit can be used without the need of any electrical wiring.





Customer Satisfaction

We shall strive for excellence in everything we do.

We shall set our goal to be recognized by customers

as a leader in total quality and customer satisfaction.

We will provide innovative solutions and the highest quality products

and service on cost competitive basis.



Cutting, Positioning & Welding Equipment - The most complete line in the industry

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