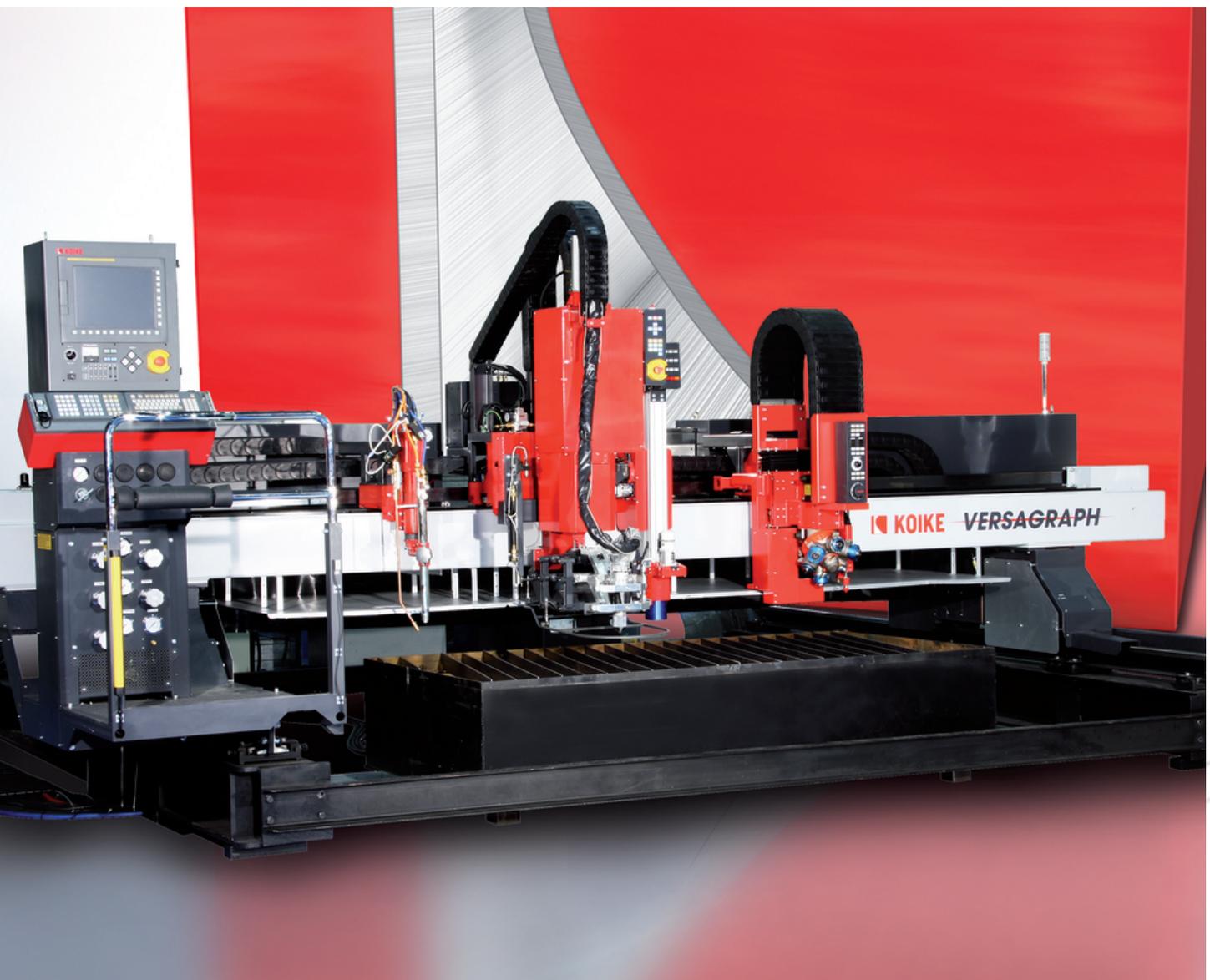


 **KOIKE**



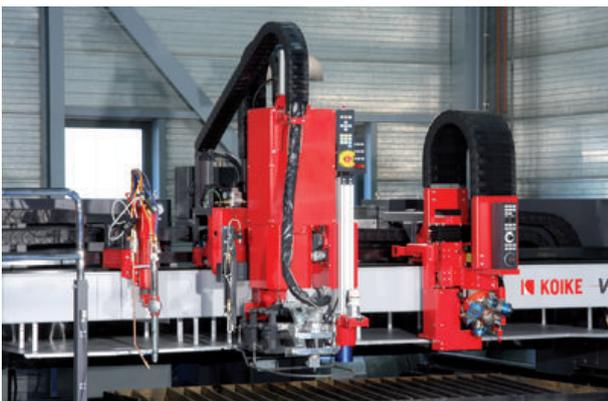
VERSAGRAPH
Highest productivity and Quality

VERSAGRAPH

Modular, flexible and fast

With regards to the client-specific requirements as well as highest productivity and versatility, the VERSAGRAPH is the perfect cutting system for high production capacities. The range of combinations, both in respect of the machine gantry and the tools makes the VERSAGRAPH a safe investment for the future. The modular concept of the solid, heavy-duty gantry system allows for optimum adaptation to individual needs.

- Cutting with precision plasma or oxy-fuel cutting, even in combination
- Machine width: 4,000 mm to 6,000 mm (in steps of 500 mm)
- Cutting width: 3,100 mm to 5,100 mm
- Runway length up to 50,000 mm (in steps of 3,000 mm)
- Positioning speed of up to 56,000 mm/min.
- Up to eight tools
- Advanced CNC technology
- Bevel cutting units for plasma and oxy-fuel cutting are available as an option



Intelligent mechanical design

The VERSAGRAPH system has consistently been oriented towards a long lifetime and high quality. All components precisely match each other and meet highest requirements with regard to precision and mechanical durability. The heavy-duty design of the gantry has been rated for stiffness under any load case. Up to eight tools may be attached and positioned on a backlash-free steel belt by means of a quick-action coupling. All supply lines are routed via cable chains - this enhances the lifetime and minimizes maintenance expense. Maintenance-free, brushless AC motors in combination with a double rack and pinion drive guide the longitudinal and transversal axis smoothly and precisely. They ensure absolute guiding accuracy and exact positioning, as well as high acceleration rates. The runway rails may be extended to up to 50,000 mm, i.e. the system may also be configured for special production requirements.



Plasma cutting of the highest quality

For cutting non-alloyed steel, aluminium and stainless steel, the plasma cutting system, the KOIKE Super 400 Plus, is available for material thicknesses of up to 50 mm. The system is characterized by rapid control of the cutting current, which ensures high contour dynamics and shorter lead-ins. The hole piercing process is optimized by an adjustable current increase and therefore enhances the lifetime of wear parts by up to 50 %. Due to arc voltage height control, precise setting of the torch over the entire cutting process is achieved. This ensures cutting precision over the entire cutting length. The torch collision protection and the tactile torch height adjustment device reduce maintenance requirements and adjustment work to a minimum.

| Versagraph | |
|-----------------------------------|---|
| Y-axis drive system | Dual-side rack & pinion |
| X-axis drive system | Linear guide |
| Effective cutting width | 3,000 /3,500 /4,000 /4,500 /5,000 mm |
| Gantry span | 4,000 /4,500 /5,000 /5,500 /6,000 mm |
| Rapid speed | Std.: 28,000 mm/min Opt.: 56.000 mm/min |
| Cutting speed | 6,000 mm/min |
| Multiple torch positioning system | Steel band (Mirror available) |
| Hose/Cable Transfer | Cable chain |
| Oxy-fuel torch | Max. 8 |
| Plasma torch | Max. 2 |
| 3D-Link Plasma Bevel | 1 |
| Gas control system | Servo gas control |
| Auto ignition | Optional |
| Water spray | Optional |
| CNC control | Fanuc 300i/310i |

Available options

KOIKE Super 400 Plus

The Super series have cancelled out the taper angles inherent to conventional plasma cutting and perpendicular cutting operations can now be performed. This technology features KOIKE's unique dual turning system to deliver minimal rounding of the cutting surface upper edge and high-quality cutting surface.



3D-Link

The new 3D-Link bevel cutting block helps to set the torch angle for bevel cutting. Angle setting speed and position control speed are twice as fast as conventional units. Moreover, complex shapes can be cut and total processing time can be shortened.



Ink Jet Marking

With the Koike Ink Jet marker letters and symbols can be printed on the plate with speeds up to 24.000 mm per minute. All printed matter consists of dots. The dots can be condensed to create "bold" font types for additional visibility, but also normal fonts and symbols can be printed at 27 mm height.



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.





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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