



VENTEC **Plasma cutting**

**Fast and accurate cutting thin
sheet metal for the HVAC industry**

VENTEC

Quick installation, fast cutting

The VENTEC is a complete plasma cutting solution for duct work production in the heating and ventilation industry as well as for small job and repair shops. Based upon many years of experience within the cutting industry, the team of KOIKE R&D has designed a new line of machine classes. The VENTEC is the result of in-depth know how of mechanical and electrical design, improved interaction of all components and consideration of customers production needs. Compared to traditional installation methods, KOIKE delivers a machine with an intelligent design and construction that reduces installation time to a minimum - in most cases the setup is done within a few hours. The flexible, modular configuration and compact design forms a machine that meets customer production requirements but minimizes space usage.

- Ideal for all common HVAC applications
- New design, complies to latest cutting knowledge
- Plug and cut - Installation time reduced to a minimum
- Easy to operate, even with complex shapes
- Air plasma for cutting up to 5 mm thickness
- KATANA CNC Controller



Airlift

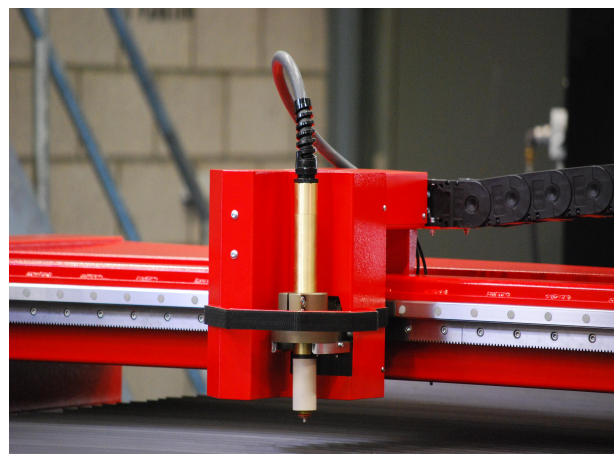
Innovation for highest cutting quality

The VENTEC can be supplied in different sizes. The Ventec has a rapid and a positioning speed of 20 m/min. This high acceleration is achieved by rack and pinion longitudinal AC drive. The precise longitudinal guide is located below the cutting table height for ease of loading and unloading plates. The combination of precise AC drives, rigid aluminum beam and downdraft cutting table ensures precise positioning and smooth movement, resulting in high quality cuts.

With the available conventional air plasma systems, it is possible to cut material thicknesses up to 5mm (in production). Maximum table load up to 10 mm.

The AIRLIFT cutting head ensures optimal torch motion and height control.

The MONOLIFT has a stroke of 50 mm and is suitable for material thicknesses up to 10 mm.



Monolift

KOIKE CNC Control KATANA-S

Built to work with Windows® Touch technology, supporting multi-window viewing on a 15" touch panel for superb multi-tasking efficiency while featuring an intuitive interface. Operators do not have to know how to use a computer, but simply touch the monitor to make their choices. No keyboard is required, saving valuable space. The KATANA Touch Screens are made for users who require excellent performance along with the latest technology available. The multi-touch display lets you rotate and zoom images, flip pages, pinch, and draw on the screen with simple hand gestures. The KATANA Control is a networkable numerical control for all cutting processes like plasma, gas, laser and other cutting devices. The hardware is designed to work in rough industrial environments. The software is modular and flexible structured for easy implementation of new functions.

Ventec	
Cutting width	1.500 mm /2.000 mm
Cutting length	3.000 mm /4.000 mm
Drive system	AC servo motors with low backlash gearboxes, double drive
X-axis	Linear guide, precision rack and pinion and tandem rollers with portal frame compensation on slave side
Y-axis	Linear guide, single side precision rack and pinion
Z-axis	Pneumatic AirLift or MonoLift height control
Plasma System	Kjellberg /Hypertherm
Cutting thickness	5 mm production / 10 mm max.
Positioning Speed	20.000 mm/min.
Control	Katana-S CNC Controller



Options

Coilfeeder

This useful system eliminates the need to stock and handle flat sheet for use with plasma cutting machines, increasing floor space and efficiency. No need to put on a 1.5m standard sheet to cut 1m of material any more, so the scrap savings coupled with the coil storage are easy to see.



Conventional air plasma systems

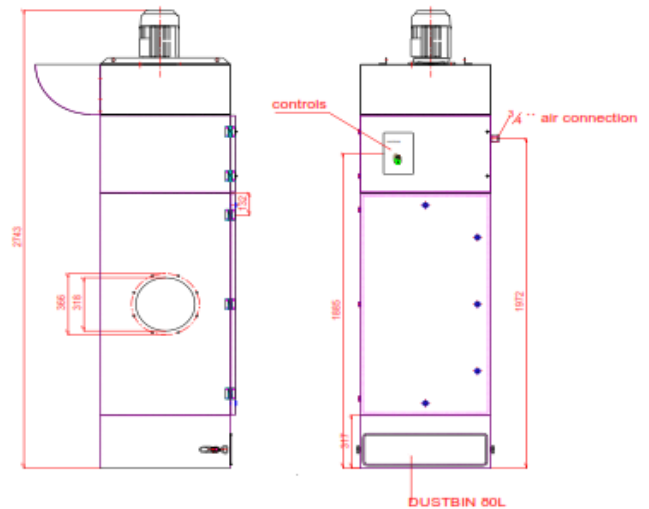
KOIKE makes it possible to choose from a variety of plasma systems: Kjellberg, Hypertherm, etc.



KOIKE Dustfilter System

KOIKE dustfilter VDS2-H5C

- Electrical power 4kW / 2000Pa
- Airflow 4.000 m³/hr
- Filter surface 2 patterns, 40 m²
- Filter material PTFE
- Filtration rating BGIA rating M
- Compressed air 3,5-4,0 bar, 3/4"
- Noise level < 74 db(a)
- For aluminum cutting an ATEX dustfilter is required



KOIKE – the spirit of cutting.

Advanced technology combined with face to face relationship and an in-depth

understanding of customers cutting needs – that's what KOIKE as a Japanese manufacturer

of oxy-fuel, plasma and laser cutting technology stands for.

Customers are companies active in shipbuilding, steel construction, vehicle manufacturing, fabrication

and other heavy metal industries – they all trust on more than 90 years of KOIKE's cutting expertise.



Your cutting needs – achieved.

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