



**DELTATEC**  
**CNC Plasma &**  
**Oxy-fuel cutting**

# DELTATEC

## Ready for the future!

The Koike cutting machine DELTATEC is the new worldwide standard when it comes to flexibility and accuracy in thermal cutting with plasma and / or gas and marking with a maximum of four torch stations. It is possible to combine plasma (max. 2 stations), gas (up to 4 stations) and marking on one machine.

The DELTATEC is a rigid and compact gantry design with the latest control technology. Performed with the unique differential compensation for the guides in the toughest production conditions.

Two sided driven with gear / pinion and backlash-free planetary drive and brushless AC servo motors. Excellent dynamic characteristics for precise cutting with positioning speed up to 24.000 mm / min.



## Smart design, high performance!

The DELTATEC comes, according to the wishes of the customer, in different versions, up to a cutting width of 4.100 mm.

Cutting length from 3.000 mm to 24.000 mm.

With precision plasma up to 50 mm material thickness.

Gas torches standard up to 150 mm, alternatively up to 300 mm.

The highly accurate Koike torch lift SMARTLIFT ensures optimal height adjustment. The SMARTLIFT has a tactile initial height measurement and a torch height control through the arc voltage. Mechanically and electronically protected against collision and breakage.



## Easy operation with the simple KATANA CNC controller!

Works with Windows® Touch technology and has a 15" touchscreen. The machine operator doesn't have to be familiar with the operation of a computer, but can easily make selections on the screen, a keyboard is not needed. Images can easily be magnified on the screen rotated, flipped, etc. Pages browsing and drawings are also standard.

The hardware is specially designed for production environments.

Modular and flexible software to support the user in all functions.

DELTATEC	
Cutting width, effectively	Up to 4.100 mm
Cutting length, effectively	From 3.000 to 24.000 mm
Transmission	Maintenance-free brushless AC motors with planetary drive
Number of stations	Up to 2 plasma torches and 4 oxy-fuel torches
Cutting speed	From 50 mm / min to 20.000 mm / min
Positioning speed	Up to 24.000 mm/min
Cutting thickness	Oxy-fuel to 150 mm. Plasma up to 50 mm
X-axis	Precision machine rails with precision racks
Y-axis	Linear guide with integrated precision racks
Z-axis	SmartLift with automatic plasma height control with arc voltage encoder or capacitive sensor. Torch collision break away.
CNC control	KOIKE KATANA
Standard cutting shapes	64, with variable lead-in / lead-out
Machine input power	230 VAC 1Ph, N, PE +/- 10%
Machine power consumption	Ca. 2kVA

## Available options

### HiFocus and High Definition Plasma systems

Plasma systems equipped with automatic gas console suitable for all cutting and shielding gases. Available from 80A to 440A. Quality cuts (depending on the material) of 0.5 to 50 mm plate thickness. Steel, stainless steel and aluminum. Marking with the same torch in various Amperages.



### KOIKE Dust filter

The Koike dust filter systems are especially developed to extract the dust and gases which appear while cutting metal with plasma. Energy consumption is limited by the built-in frequency control. For cutting aluminum, special ATEX dust filters are available.



### KOIKE cutting tables

Koike cutting tables are available in almost any length and width. The cutting tables are made of different segments and, in combination with the Koike dust filters, ensures an optimal ventilation. Optional we can supply vibrating tables, small part grids and water tables.



### Software

From a basic package up to very comprehensive software with management information, inventory and product management, etc.: Koike has a solution. The modular structure of SigmaNest allows, depending on the desired application, to extend with virtually any module. Training, helpdesk and maintenance are in good hands with Koike.





**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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