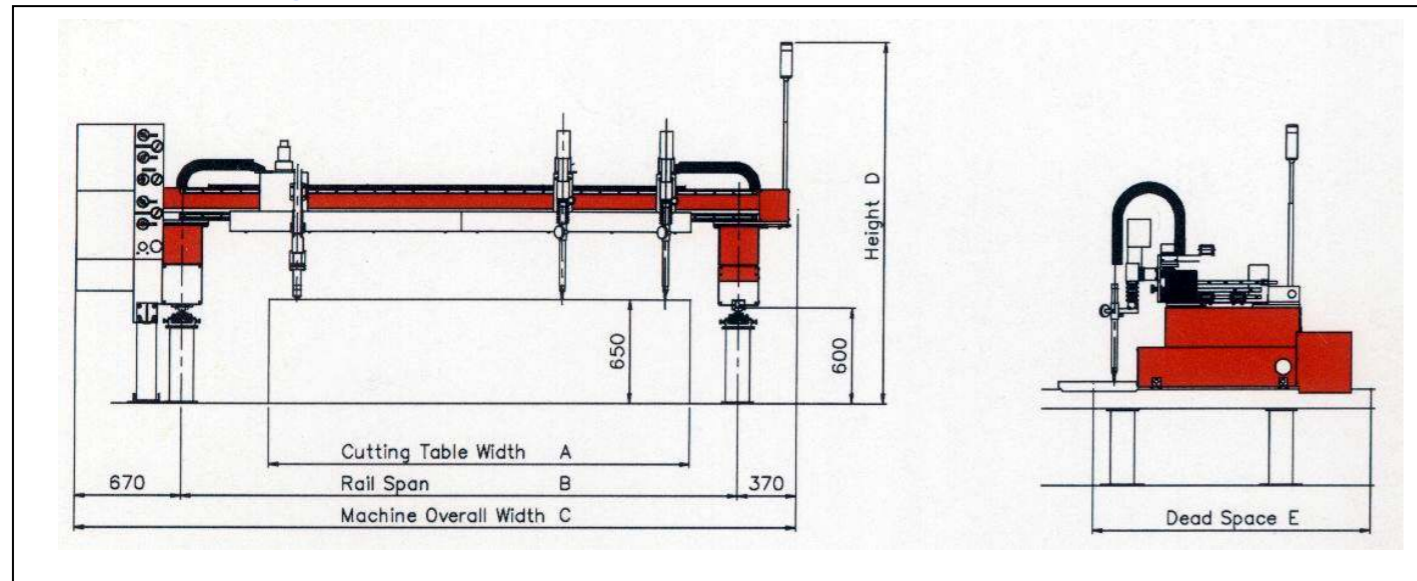


■ Machine Drawing



■ Machine Dimension

Model	A	B	C	D	E	
D Series	3,500	2,600	3,500	4,540	2,300	1,750
	4,000	3,100	4,000	5,040	2,300	1,750
	4,500	3,600	4,500	5,540	2,300	1,750
	5,000	4,100	5,000	6,040	2,300	1,750
	5,500	4,600	5,500	6,540	2,300	1,750
	6,000	5,100	6,000	7,040	2,300	1,750
	9,000*	8,100	9,000	10,040	2,300	1,750

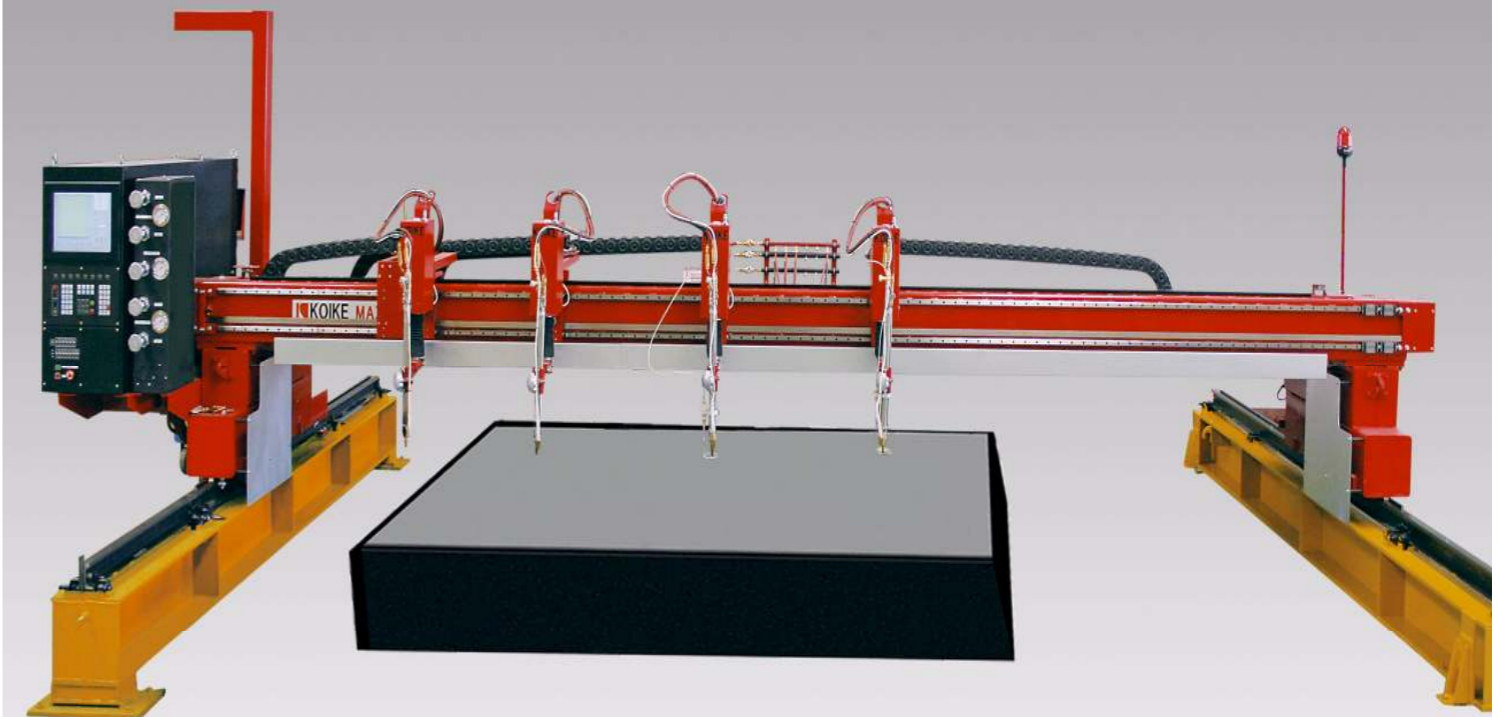
■ Specification

Type	DD / DE / DF Type	
	* Gas cutting only	Gas / Plasma cutting
Main body (gantry type)	Dual-side drive	
Effective cutting width	2.6 / 3.1 / 3.6 / 4.1 / 4.6 / 5.1 / * 8.1 m	
Effective cutting length	Rail length - 1,750mm	
Drive method	Rack and pinion drive for X and Y axes	
Torch mounting system	Steel belt connection system	
Cutting speed	Maximum 6m/min	
Rapid / Marking speed	*10 m/ min	15 m/min
CNC system	D 600	D-500 / D 650
Cutting capacity	6 – 150 mm	Depend on plasma used
Torch quantity	Maximum : 6 sets	Plasma : 1 set / Gas : 5 sets (Maximum)
Minimum torch distance	125 mm	
Machine color	Koike Red (main body)	

CNC Gas & Plasma Cutting Machine



MAXIGRAPH



**A Series of Super CNC Cutting Machines
Within a range of 1.6m to 8.1m**

- High performance and efficiency to meet a wide range of requirements
- 7 models available
- Effective cutting widths: 1.6, 2.1, 2.6 , 3.1, 3.6, 4.1, 5.1, 8.1 m
- Precision machined steel rails for longitudinal axis
- Extendable cutting length



Total system supplier of welding and cutting

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Machine Outline

Body Structure Designed for High Cutting Accuracy



- The body has a gantry structure and single-side and dual side drive systems are available. Work proceeds smoothly at all times since the body is well balanced and very responsive.
- Rack and pinion drive is used for both the cross (X axis) and longitudinal (Y axis) directions, for speedy and accurate NC advance.
- The running speed is 15 m/min. maximum cutting speed is 6 m/min.
- Highly accurate, smooth operation is assured with precision machined steel rails and a stable longitudinal drive mechanism.
- The rail length can be extended in increments of 3 meters.

CNC Controller with Advanced Functions For Enhanced Productivity and Efficiency. D 500 for Gas/Plasma D 600 for Gas



- A new operator using this controller will be quickly transformed into a skilled worker because he can easily learn to operate the cutting machine with the touch panel controls.
- The controller has 60 built-in standard shapes that can be cut immediately after inputting desired dimensions.
- The D- series can easily communicate with other devices using its networking capabilities. Serial transmission is also available.
- The controller will accept both EIA and ESSI format as standard, making NC programming easy. If special requirements exist, these can be easily accommodated.

Mountable Plasma Unit

High-quality & precision plasma cutting unit SUPER-400 Plus

- KOIKE's high-quality super (perpendicular) cutting plasma.
- Perpendicular cutting with no drag line delay results in clean corner cutting without rounding on the top or bottom surfaces.
- Common line cutting of mild steel 6mm or less in thickness is supported.
- High-quality, highly accurate cutting of mild steel, stainless steel, or aluminum plate.
- Special control of the flow of gas and electric current dramatically extends the service life of the electrodes and tip.

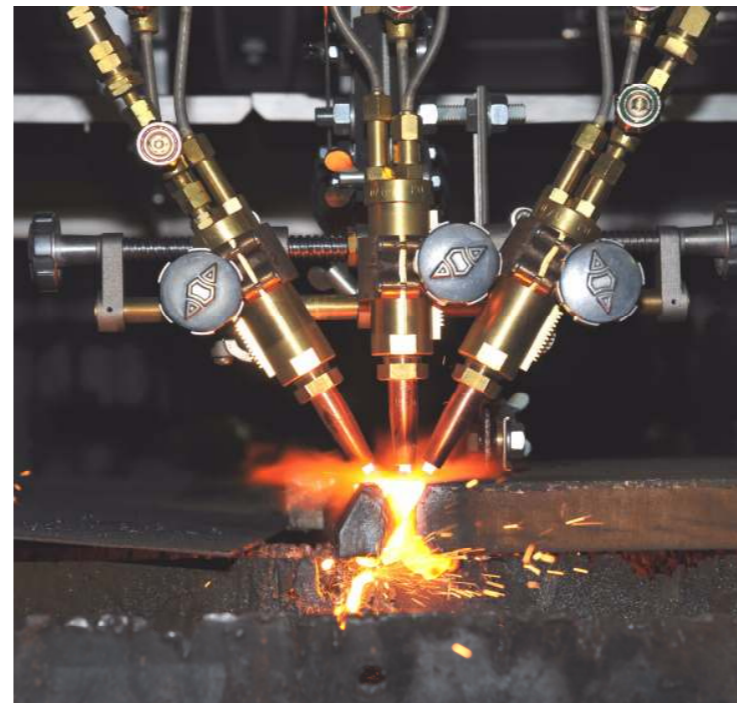
Rated input voltage	400 or 200 Volts , 3-phase, 50 / 60 Hz
Rated output current	30 to 400A
Rated usage ratio	100%
Maximum recommended plate thickness	36 mm (mild steel) Quality Cut 36 mm (stainless steel, aluminum)
Gas	Steel: Oxygen, air Stainless steel / aluminum: Nitrogen, argon / hydrogen
Torch	Water-cooled torch (separate water chiller unit)
Power supply dimensions	339(D)x 489(W) x 782(H)mm
Weight	210kg



General-use Plasma Cutting Unit MAX-200

- Suitable for cutting many different metals (mild steel, stainless steel, aluminum, etc.).
- Suitable for Dry & Underwater plasma cutting.
- The sealed torch tip design eliminates double arc formation.
- IC control maintains a fixed output current at all times.
- Extended continuous operation is possible at 200 A with a 100% duty cycle.

Rated input voltage	400 or 200 Volts, 3-phase, 50/60 Hz
Rated output current	40 to 200 A
Rated usage ratio	100%
Maximum recommended plate thickness	Up to 25 mm: quality cut 26 - 50 mm: separation cut (mild steel, stainless steel, aluminum)
Gas	Oxygen, nitrogen, air, argon/hydrogen
Torch	Water-cooled torch (built-in cooler unit)
Power supply dimensions	1,040(D)x710(W)x1,090(H)mm
Weight	350kg



Linear Guide



High-speed accuracy is achieved with linear guide ways and slides to the X-direction main drive carriage and sub-carriages.

Triple Bevel Torch block (SP 400)

Operation Panel



D 650 Control with dual processor For Gas/Plasma & Twin Plasma torch.

Hi-Low Preheat gas control unit

Centralized control station groups all control and operating functions in a single location, convenient to the operator.

Hi-Low Pre-heat Control unit

Standard Hi-Low Pre-heat Control provided on the Maxigraph shortens time required to preheat plate before piercing . Perfect setting of pre-heat flame is easy.

Available Options

Capacitive height sensor



In order to keep a constant distance between the tip and the plate during cutting (necessary for quality cutting) an automatic torch capacitive height sensor system can be mounted.

Line marking unit



To mark lines on the steel plate (for welding or bending purposes) it is ideal to use a powder marking unit. The use of Zinc oxide powder assure permanent marking.

Automatic ignition



For CNC operation of the machine an automatic torch igniter is highly recommended.

Water spray



Water spray is recommended when cutting thin plate.

Another advantage of the water spray is to minimize the dust occurred during cutting.

Twin cutting



For higher productivity use the twin cutting device.

Strip cutting range from 31 to 310mm

Max. cut thickness is 50mm.

Bevel cutting



Bevel cutting device for straight bevel cutting of plates.

Bevel cutting range from 0 to 45 degree

Max. cut thickness is 50mm.

- Triple bevel gas beveling block
- Twin cutting attachment
- Bevel cutting attachment

- Forward / Backward adjuster
- Mirror image cutting device
- Extension rails in lengths of 3M units