



# KOIKE

WORLD LEADER IN CUTTING FROM JAPAN

## MONOGRAPH 1250/1650

Plasma cutting machine

### The cost effective way of cutting



*Machine shown with KARCNC control unit.*

- The Monograph 1250/1650 is the latest plasma cutting machine that joins the product range of Koike Europe.
- This compact and complete unit allows quick and easy installation.
- The CNC control is easy to operate with multi-task function possibilities.
- Maintenance of the Monograph 1250/1650 is very easy.
- The compact footprint and design allows full operator view of the cutting process.
- The machine is equipped with a plasma power source with advanced, intelligent technology which gives power to cut with great speed, quality and efficiency.
- The Monograph 1250/1650 offers the highest versatility at the most economical costs.

# Complete Solution

## Machine specifications

Effective cutting area	1500 x 3000mm
Maximum plate thickness (with PM1250)	16mm (production capacity 10mm)
Maximum plate thickness (with PM1650)	19mm (production capacity 12mm)
Maximum cutting table load	500Kg
Positioning speed	36000mm/min
Drive system	AC Servo motors with low backlash gearboxes
Positioning accuracy	+/- 0.3mm
Type of drive	Precision rack and pinion
Machine height	1620mm
Machine width	2115mm
Machine length	4850
Weight, circa	1135Kg
Recommended pressure air and nitrogen	7Bar
Power supply	1 Phase AC 230V for the machine 3 Phase AC 400V for the plasma source

Specifications subject to change without notice



## Features

- Microsoft Windows® XP Operating System
- Dual Microprocessors for Multitasking
- 15" TFT SVGA High Resolution Color Flat Panel Display
- Network Card with Rj45 Connector
- RS-232 9-Pin D-Sub Connector
- 3 x USB Port
- Integrates 2 Axis 400 Watts (per axis) Pulse Width Modulated Drives
- Direct DXF conversion
- Manual nesting
- Row & column nesting
- Option: Automatic Nesting  
cost saving; increasing production

## Multi-tasking:

During cutting you can create your next cut program. This effort will bring down the waiting time of the machine and increase your productivity!!



## Plasma height control

The Sensor PHC (Plasma Height Control) system of HYPER THERM is an advanced height control system providing exceptional performance and value for conventional plasma shape cutting applications.

## Filter:

Filter extraction unit for taking away the cutting fumes. The high quality filter has a cleaning efficiency of >99.8%. The unit works in silence and needs less maintenance. Capacity: 3500m<sup>3</sup>/h at a pressure of 2500 Pa.



## Plasma system HYPER THERM Powermax 1250 & 1650

The Powermax 1250 & 1650 are the first of the Powermax G3 Series. With new technologies in both power supply and torch, it cuts FASTER and more ECONOMICALLY than any system available today.



Koike KARCNC  
PC based control



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