

MASTERGRAPH-II MILLENNIUM SPECIFICATIONS

Mastergraph-II Models	MGM-II 1500	MGM-II 2500	MGM-II 3100
Effective Cutting Width (5-Slave Stations)	60"	96"	120"
Effective Cutting Width (2-Slave Stations)	84"	120"	144"
Distance Between H-Beams	110"	146"	170"
Machine Rail Gauge	126-3/4"	162-3/4"	186-3/4"
Machine Width	170"	206"	230"
Effective Cutting Length (Expandable)	168"	168"	168"
Machine Rail Support H-beam	W12-72#	W12-72#	W12-72#
Rapid Traverse Speed	700 IPM	700 IPM	700 IPM
Contour Speed (Maximum)	400 IPM	400 IPM	400 IPM
Machine CNC	KAR CNC X	KAR CNC X	KAR CNC X
Machine Drive System	1 kw AC-Servo	1 kw AC-Servo	1 kw AC-Servo
Maximum Number Of Tools	6	6	6
Maximum Number Of Slave Stations	5	5	5
Maximum Plasma or Marker Stations	2	2	2
Maximum Oxy-Fuel Stations	4	4	4
Oxy-Fuel Gas System	Hi-Lo	Hi-Lo	Hi-Lo
Machine Voltage	115/1/60 @ 20Amp	115/1/60 @ 20Amp	115/1/60 @ 20Amp

Sold By:

MASTERGRAPH-II Millennium Series

Integrated Thermal Cutting & Marking Systems

MODELS
1500
2500
3100



*A New Standard of Cutting
Built for the 21st Century*



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Integrated Thermal Cutting Systems



The Power Needed for Today and the Flexibility for Tomorrow

Koike Aronson has created a new world standard in thermal cutting machines. The Millennium-II Series utilizes the latest technologies to provide unmatched speed, accuracy, versatility and durability in a thermal cutting machine. Designed to satisfy the world's most demanding customer requirements, the Millennium Series has been engineered to provide the power needed for today and the flexibility for tomorrow. Steel Service Centers, Heavy Fabricators, Equipment Manufacturers and Ship Builders are just a few of the Millennium Series target customers.

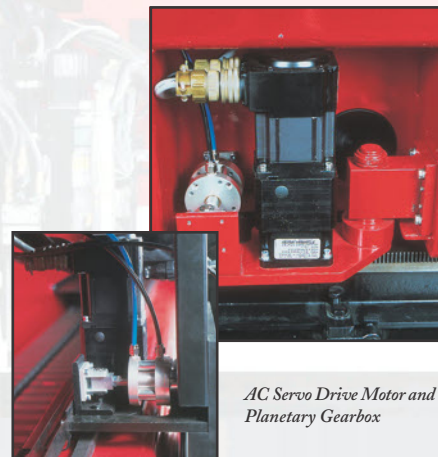
Koike Aronson's time proven construction techniques have been enhanced with a host of new features and technologies. Including: AC Brushless Servo Drive and Planetary Gear Boxes. The Mastergraph-II Millennium Series is equipped to handle your job requirements and flexible enough for adaptation to future process requirements. The future of thermal cutting is here today, and Koike Aronson is ready to show it to you!



KAR CNC X Control

Operator Control Station

- CNC Control
- Touch Screen Operator Interface
- 180° Rotation



AC Servo Drive Motor and Planetary Gearbox

AC Brushless Drive Motor and Planetary Gearbox

- Air Cylinder System for Pinion to Rack Tension
- Precision Acceleration and Deceleration
- Sealed No Maintenance Construction
- System Matched for Years of Service

Master Carriage

- Solid Steel Construction
- Rack and Pinion Drive
- Rides on Linear Roundways
- Enclosed Power Track
- Two Tool Carrying Capability



Master Carriage

Slave Carriages

- Solid Steel Construction
- Stainless Steel Band Drive
- Rides on Linear Roundways
- Enclosed Power Track



Slave Carriage



Hi-Low Control

Oxy-Fuel Gas Controls

- Convenient Placement for Operator
- Protection from Severe Environments

Koike Aronson has designed, engineered and delivered an Integrated Thermal Cutting System with the type of features and dependability the world has been waiting for. The Mastergraph Millennium Series is ready to increase efficiency, quality and your bottom line profitability. Call the experts at Koike Aronson for more information on the entire Millennium Family of CNC cutting machines.

The New World Standard in Thermal Cutting

Millennium-II Highlights

- Positioning Accuracy $\pm .007$
- Triple Machined 22kg Crane Style Rail System
- AC Brushless Drive Motors
- Planetary Gearboxes
- Replaceable Linear Roundway on Cross Axis
- KAR CNC X Control
- Rear Shelf Covers

Optional Equipment

- Cut Widths up to 12 feet
- Cut Length Flexibility
- Oxy-Fuel Capacitance Height Control
- Automatic Oxy-Fuel Station Ignition
- Plasma and Height Control Systems
- Straight-Line Bevel Cutting
- Plate Marking System



Rear Shelf Covers