

Monograph ^{Extreme}™



CNC PLASMA
CUTTING MACHINE

AHB

TOOLING & MACHINERY

COMPLETE METALWORKING SOLUTIONS

(800) 991-4225

ISO Certified

www.ahbinc.com

customerservice@ahbinc.com

 **KOIKE**
ARONSON RANSOME

MONOGRAPH EXTREME



We Make Metal More Profitable.

Koike Aronson, Inc. / Ransome has created a New World Standard in thermal cutting machines. The Monograph Extreme has been added to the Extreme Series family of Koike Aronson, Inc./Ransome cutting machine product line. The Monograph Extreme is designed to deliver many years of reliable performance and efficient production. The Monograph Extreme features a unitized downdraft or water table design, keeping the overall footprint as compact as possible, thus maximizing your production space. The Monograph Extreme's sturdy design and low backlash planetary gearboxes allow this single side drive machine to deliver premium motion and accuracy.



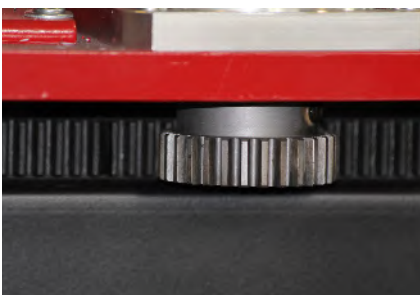
Precision Ground Rail and Guide Rollers

Ensures smooth and accurate motion.



Fork Truck Lift Pockets

Easily move machine from one location to another.



Precision Ground Rack & Drive Pinions

Large diameter pinions provides accurate and smooth machine motion.



Emergency Stop

Quickly and safely shuts off machine motion and cutting process.



Adjustable Leveling Pads

Allows for easy leveling

STANDARD EQUIPMENT



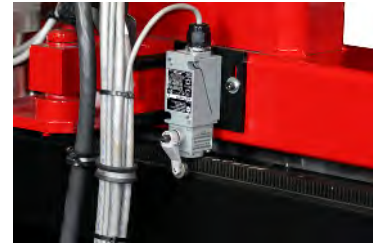
Cable Carrier

Allows cables and hoses to be managed properly when moving from one end of machine to the other.



Planetary Gearboxes

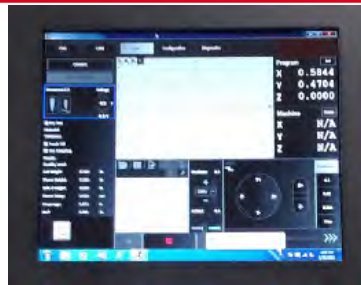
Precise and accurate motion



Limit Switches

Used for machine over-travel as well as homing.

CNC AND SOFTWARE



FlashCut Titanium Series CNC Control

- DC Micro Stepper Drives
- 15 inch touch screen
- Nema 4 Waterproof Keyboard
- Integrated E-Stop
- Realtime visualization of torch path
- Windows operating system
- 5th generation Intel I3 Microprocessor or better
- 8GB RAM or better
- 120 GB SSD or better
- 2 USB Ports
- Standard editable shape library
- On-board Completely integrated Flash Cut 2D CAD/CAM package
- DXF import/Silhouette import
- On-board automatic nesting software
- On-board Lead in and lead out type, positioning and length adjustment
- Remote diagnostics
- One seat of Flashcut Titanium Software for remote PC installation

Standard Software package

- Marker and Plasma Marking
- DXF Export
- Advanced text including true type font support without exploding and curved text around any shape
- Part shading
- 3D cutting simulation
- Automatic Lead-in on Restart
- Dynamic THC On/Off
- Progress meter
- Move to point in viewport
- Rip cutting
- Smart Touch Off
- Shape library
- Bridge entities tool
- Shape welding tool
- Part shading
- Multi layer color image import
- Import of parts from external files
- Multi-sheet and fill sheet trueshape nesting
- Corner looping
- Advanced leadin leadout editing
- Animated 3D Cutting Simulation
- Advanced small hole processing

HEIGHT CONTROL & OTHER OPTIONS

powermax[®] series

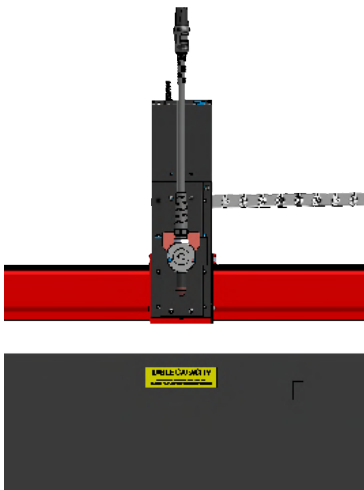


powermax65- Production Pierce 1/2" Mild Steel
powermax85- Production Pierce 5/8" Mild Steel
powermax105- Production Pierce 3/4" Mild Steel
powermax125- Production Pierce 1" Mild Steel

MAXIPRO200[®]



Water Table
Manual fill



Koike Sensor Torch Height Control
With pneumatic breakaway
6" stroke
Laser pointer



Fume Extraction Unit
For downdraft table.

MONOGRAPH EXTREME WORKSHEET

Effective Cutting Width: Effective Cutting Length:

Material Types:

Material Thickness Range

Plasma Thickness:

Plasma System

- Hypertherm® powermax65
- Hypertherm® powermax85
- Hypertherm® powermax105
- Hypertherm® powermax125
- Hypertherm® MAXPRO200

Voltage:

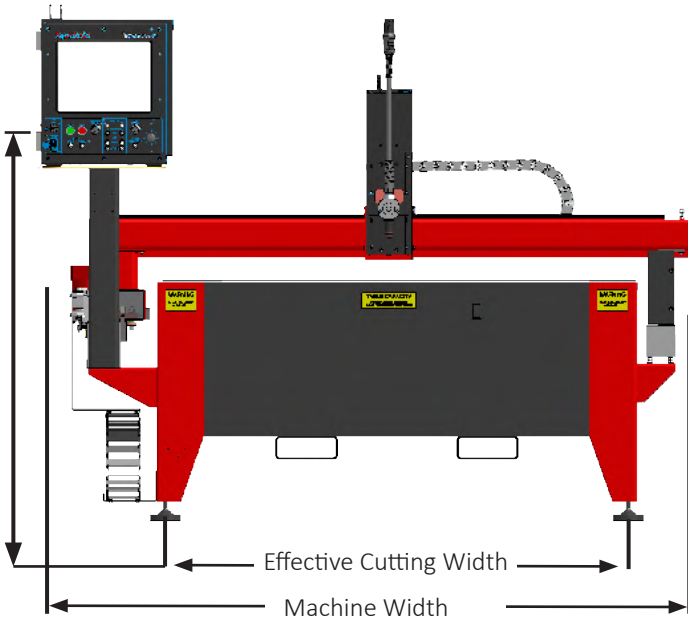
Cutting Table

- Downdraft
- Water

Other Options

- Fume Collector

SPECIFICATIONS



MONOGRAPH EXTREME						
Effective Cutting Area (ft)	5x10	5x12	5x20	6x10	6x12	6x20
Effective Cutting Width (in)	60	60	60	72	72	72
Effective Cutting Length (in)	120	144	240	120	144	240
Rapid Traverse Speed (IPM)	1000	1000	1000	1000	1000	1000
Machine Width (in)	83	83	83	95	95	95
Machine Length(in)	191	215	382	191	215	382
Machine Voltage	115VAC @15 amps					
Table Duct Opening	12 inch for all models Manual damper for 20 foot models					
CNC Controller	Titanium CNC					
Table Type	Downdraft					

Specifications are subject to change without notice.

Headquarters- Arcade, NY



COMPANY

Koike Aronson, Inc./Ransome is headquartered in Arcade, NY. We are a proud supplier of advanced cutting machines, welding positioning equipment, portable cutting/welding machines, and gas apparatus. Our

knowledgeable staff can assist you with virtually all your needs in metal fabrication. Koike Aronson/Ransome cutting machines can be customized to fit most requirements, and our welding and positioning equipment can be made to accept work pieces of nearly any size.

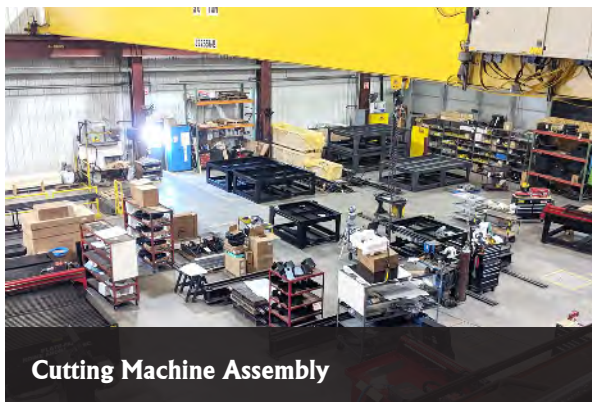
Our manufacturing area consists of a machine shop, saw shop, two assembly shops, a burn shop, and a weld shop. Handling nearly all manufacturing in-house helps us maintain our extremely high quality. Our factory uses 5S, a lean tool directive, that increases productivity through tidiness and improved organizational practices. We have the capacity to run three shifts with approximately 100 employees per shift. Machining capabilities range anywhere from a small nut to a large weldment. Most importantly, we use our own products to build our customers' machines.

The Engineering Department is comprised of

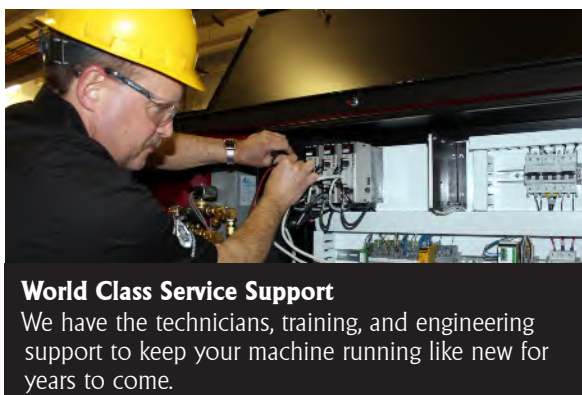
mechanical, electrical, and software engineers with over 250 combined years of design, process, and technical experience. Their knowledge allows us to apply proven designs to customer needs and to develop new technology for custom applications. AutoCAD, SolidWorks, and Cosmos software are used to optimize designs for standard products and to create custom solutions for specialized equipment.

Our electrical and mechanical systems are designed to industrial standards for strength, reliability, and safety. The Business Unit and Customer Service Representatives of Koike Aronson/Ransome offer our customers well over 170 years of combined experience. They work with our many distributors and manufacturer sales representatives to make sure you get quality products and the right equipment for your application. We encourage feedback, and are ready

to work with you to keep your machine productive for many years.



Cutting Machine Assembly



World Class Service Support

We have the technicians, training, and engineering support to keep your machine running like new for years to come.

The dedicated service technicians of our Field Service Department work as a team to keep machines running at top performance. This starts with sending pre-installation documentation to prepare our customers for machine delivery, installation, and training. Our website is filled with helpful information including the KAR Club, which offers numerous tips on troubleshooting, tuning your machine, and machine maintenance.



For Other Downloads, please scan here with your smartphone

Made in USA. At Work Worldwide



Koike Customer Visit Program See How Koike Can Make Metal More Profitable For You

Koike Aronson's Customer Visit Program was introduced to provide those looking to purchase equipment the opportunity to come visit us, meet our people, and tour our complete manufacturing facility. Your visit to our facility is on us. All expenses paid for including: airfare, transportation, room and meals.

Call a Koike Representative for details and schedule your appointment today!



Phone: (585) 492-2400
Toll Free: (800) 252-5232
Fax: (585) 457-3517

MANUFACTURING PROCESSES



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