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## AEON MIRA PRO SERIES








## CLASS 1 BENCHTOP CO2 LASER ENGRAVING & CUTTING MACHINES



The latest Mira 7 and Mira 9 professional benchtop models take it one step further with the added safety of a fully interlocked case and keyed ignition, thus transforming the Mira into a Class 1 laser, the highest safety rating possible. The new design preserves the best features from the previous generation, such as the Clean Pack Design and cutting edge high speeds, while adding some finishing touches, like a fire resistant tempered glass lid, gas shocks and rubber seals.

Great emphasis was placed on improving the cutting capabilities and the various components required to do so. The entire work table has been overhauled and replaced with a motorized blade table that is fitted with a downdraft exhaust system similar to what you would find in our Nova Pro Series. The exhaust fan and air assist pump have also been upgraded to help with improving airflow and increasing cutting efficiency. Equipped with a built-in fan cooled water chiller (Mira 7) or a vapor compression water chiller (Mira 9), the Mira Pro models are ready to take your laser engraving and cutting abilities to the next level.



-  **Clean Pack Design:** Our unique linear motion design utilizes the drive belts themselves to enclose the linear rails and bearing blocks so that they are protected from smoke and debris and can continue to operate without frequent maintenance or repairs.
-  **Fastest in its Class:** Thanks to Aeon's featherweight laser head design and high speed digital stepper motors, the Mira can achieve 5G of acceleration resulting in scan speeds of up to 1200 mm/sec and cutting speeds of up to 680 mm/sec.
-  **All-In-One System:** If space is of concern, you'll be pleased to know that Aeon is the first in the laser industry to offer an all-in-one solution comprised of an integrated water cooling system, exhaust fan and air assist pump so that no extra space is needed for ancillary components.
-  **Smart Rotary Device:** Engrave cylindrical items with either a rotary chuck or a roller rotary and enjoy a painless transition between flat engraving and rotary engraving, thanks to an auto sensing rotary port.
-  **Multiple Interfaces:** Easily send jobs from your PC or Mac via USB, Ethernet or WiFi. There is even 256 MB of onboard memory built right into the controller for storing popular jobs, or you can even run programs straight from a USB Flash Drive.
-  **Software:** Quickly recall or layout simple designs with the included RDWorks software or upgrade to LightBurn for an enhanced user experience. For those already familiar with graphic design, simply import graphics directly from CorelDraw, AutoCAD and Illustrator via the handy plugins.
-  **Red Dot Pointer:** Mirror alignment has never been easier thanks to an inline beam combiner that also serves as an accurate red dot pointer. This visual aid eliminates any guesswork by allowing you to place items inside the machine and quickly position them for accuracy.



**Roller Rotary**

Expand your capabilities with this versatile roller rotary device. Perfect for engraving bottles, champagne flutes, wine glasses, tumblers, etc.



**Rotary Chuck**

The more precise way of handling cylindrical items is with this 3 jaw rotary chuck. Clamp any item up to 3.93" (100mm) in diameter and rotate it for 360 degree engraving.



**Stand**

Not just any old table will do. The R&D team put their signature on this sleek modern looking stand that is also on wheels for added convenience.



**Fume Extractor**

For setups in public places or in areas with limited access to the outdoors, this 4-stage fume extractor also makes a nice base for your Mira.



**Remote Control**

Programming is a breeze with our advanced DSP digital control system or an optional wireless remote that puts all of the controls right in the palm of your hand.



**Camera**

Get a bird's eye view of your workspace right on your computer screen for quick and accurate placement of your design, so that you don't have to measure (Lightburn upgrade required).

Specs	MIRA 7	MIRA 9
Workspace	17-3/4" x 27-1/2" (450mm x 700mm)	23-5/8" x 35-3/8" (600mm x 900mm)
Wattage Options	60W Premium CO2 Glass Tube Optional: 80W Premium CO2 Glass Tube / 30W (Chinese RF)	60W Premium CO2 Glass Tube   Optional: 80W/100W/130W Premium CO2 Glass Tube or 30W/50W (Chinese RF)
Machine Weight	392 lbs. (178kg)	502 lbs. (228kg)
Driving System	High Speed Digital Stepper Motors	
Total Height Clearance	6-3/8" (162mm)	
Engraving Speed	0-1200mm/sec	
Cutting Speed	0-680mm/sec	
Z-Axis Travel	5-7/8" (150mm)	
Max Acceleration	5G	
Blower	330W Built-In Exhaust Fan	
Air assist	105W Built-In Air Pump	
Cooling	Fan Cooled (3000) Water Chiller	Vapor Compression (5000) Water Chiller
Add-ons	Roller Rotary, Rotary Chuck, Stand, Fume Extractor, Remote Control, Camera	
Support	All Aeon lasers are backed by a 2 year factory warranty and our Lifeline Plus care plan, which includes remote startup training and unlimited US based phone support.	

**Come Visit our Melbourne, FL Showroom!** (60 min. from Orlando, 40 min. from Cape Canaveral, 20 min. from Cocoa Beach)

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