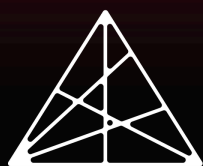




MIRA 7S - 60W RF



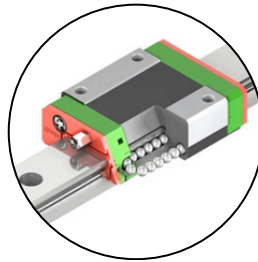
**AEON**  
Laser USA

# MIRA 7S REDLINE Series CO2 Laser Cutter & Engraving Machine

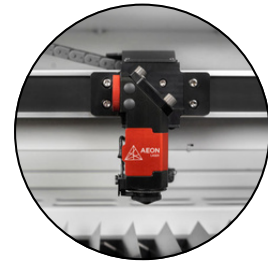
features:



**8G ACCELERATION**



**HIWIN LINEAR RAILS**



**LIGHTWEIGHT LASER HEAD**



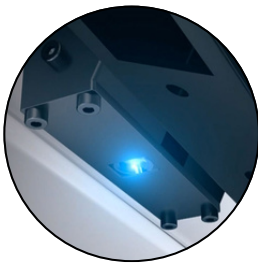
**ROBUST FRAME**



**ALL-IN-ONE DESIGN**



**MODULAR TUBE DOCKING**



**HIGH-RESOLUTION CAMERA**



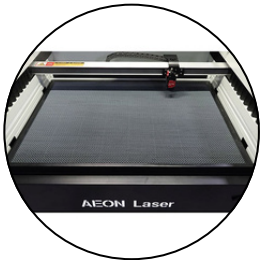
**INTEGRATED AUTOFOCUS**



**MATERIAL PASS THROUGH**

The AEON MIRA 7S with a 60W CO<sub>2</sub> metal RF tube combines a larger work area with high-speed RF engraving performance for demanding production environments. Compared to the MIRA 5S, the 7S offers greater material capacity, faster throughput, and enhanced precision for detailed engraving and cutting applications.

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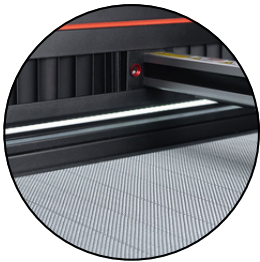
**SUPER BRIGHT WORK AREA**



**STATUS LIGHT**



**INTUITIVE LCD DISPLAY**



**SAFE-GUARDED OPTICS**



**SAFE-GUARDED LASER HEAD**



**BULLSEYE LEVELING GAUGE**



**TOOLLESS MAINTENANCE  
TUBE REPLACEMENTS**



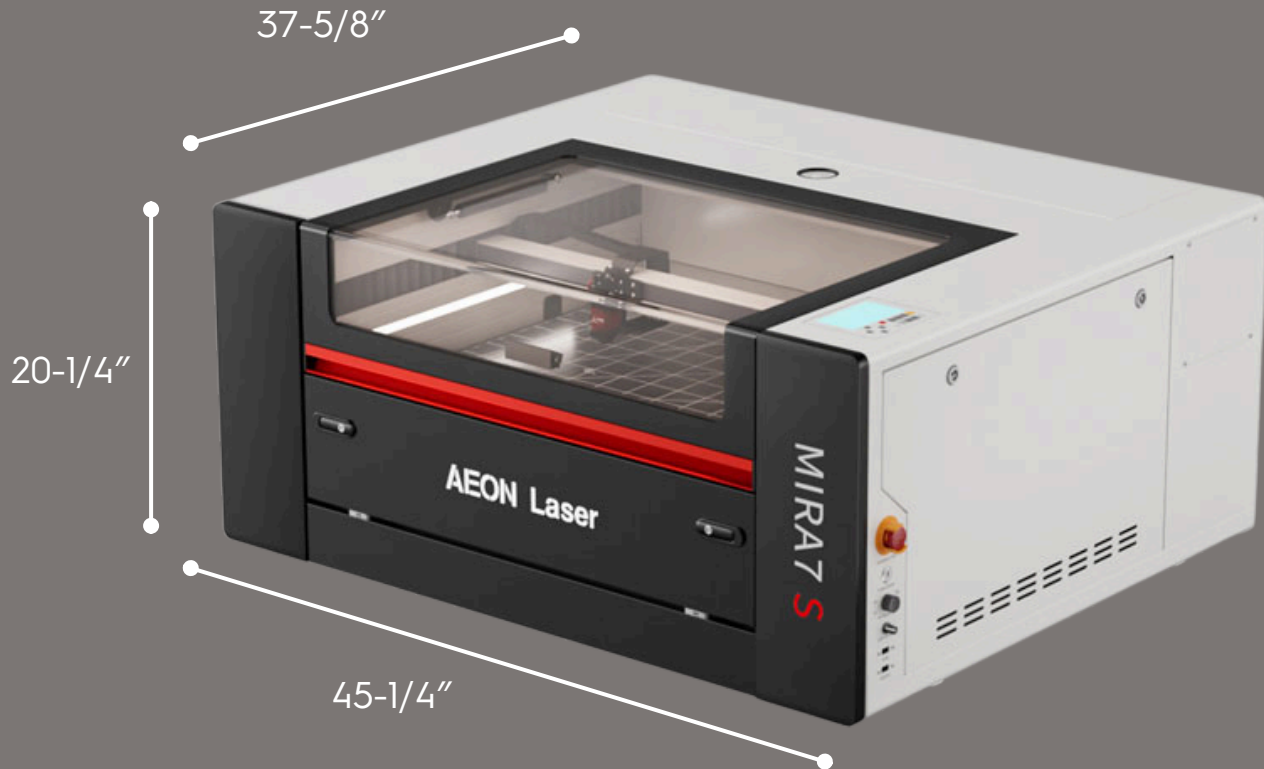
**TOOLLESS MAINTENANCE  
MIRRORS**



**TOOLLESS MAINTENANCE  
LENS CARTRIDGES**

MIRA 7S

# Measurements



Machine Dimensions  
W 45-1/4" x D 37-5/8" x H 20-1/4"

Shipping Dimensions  
W 49" x D 43" x H 29"

Z-Axis Max Bed Travel  
5-1/5"

Machine Weight  
396 lbs.

Working Area  
27-1/2" x 19-11/16"

Machine Weight + Crate  
474 lbs.

## MIRA 7S - 60W RF

LASER SOURCES	
Metal RF CO <sub>2</sub> Tube	60W CO <sub>2</sub> Metal RF Tube (Davi)
Cooling Method CO <sub>2</sub> Tube	Air

MOTION & PRECISION	
Motors	AC Servos
Guide Rails	Hiwin Linear Rails
Max Acceleration	8G
Max Speed	4200 mm/s
Minimum Font Size	1.0 x 1.0mm
Positioning Accuracy Max	<=0.01mm
Scanning Precision Max	2000 DPI
Red Dot Positioning	✓
Autofocus	Integrated
Wireless Remote Control	Optional

COOLING, AIR ASSIST & VENTILATION	
Fume Exhaust Fan	Built-in 110W, 6" Dia. Axial Inline Fan
Air Assist	Integrated
Compressed Air	Optional External
Smart Air Solenoid Valve	✓

WORK TABLE	
Downdraft Ventilation	✓
Blade Table	✓
Honeycomb Table	✓
Material Collection Tray	✓
Material Pass Through Door	1.5" Height
Table Lifting Capacity	55lbs

POWER REQUIREMENTS	
Voltage/Frequency	120v/60Hz
Amperage	20A Dedicated Circuit
Rated Power Draw	500W

**MIRA 7S - 60W RF**

<b>CONTROL &amp; SOFTWARE</b>	
Control Panel	5" Keypad & LCD display
Memory Capacity	1 GB
Lightburn Software	Included (\$199 Value)
Wifi Data Transfer	Integrated
Operating System	Windows & Mac
Supported File Formats	AI/PDF/DXF/PLT/SVG/DXF/SC/BMP/JPEG/JPG/PNG/GIF/ TIFF/TIF/TGA

<b>OPTICS</b>	
Toolless Mirror Change	✓
Magnetic Lens Cartridge	✓
Isolated Optics	✓
2" Lens	Standard
2.5" Lens	Optional
4" Lens	Optional
Mirror Sizes	φ 25mm (x3)
Beam Combiner	φ 25mm
Window	φ 20mm

<b>SAFETY</b>	
Safety Level	Class 1
Smart Monitoring	✓
Optics Temperature Alarm	✓
Diagnostic Log	✓
LED Status Light	✓
Lid Interlock	✓
Side Panel Interlocks Water	✓
Flow Protection Water	✓
Temperature Alarm	✓

<b>ADD-ONS</b>	
Rotary	Optional
Fume Extractor	Optional

<b>WARRANTY &amp; SUPPORT</b>	
2 Year	Included ( <a href="http://www.aeonlaser.us/warranty">www.aeonlaser.us/warranty</a> )
4 Year	Optional



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[WWW.AEONLASER.US](http://WWW.AEONLASER.US)