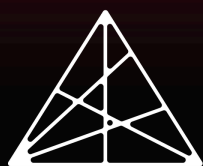




MIRA 5S - 45W DC



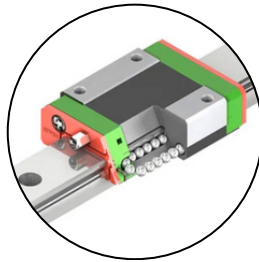
**AEON**  
Laser USA

# MIRA 5S REDLINE Series CO2 Laser Cutter & Engraving Machine

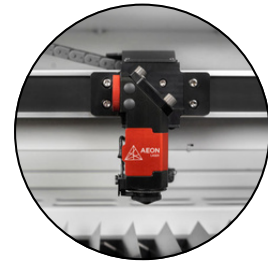
features:



**5G ACCELERATION**



**HIWIN LINEAR RAILS**



**LIGHTWEIGHT LASER HEAD**



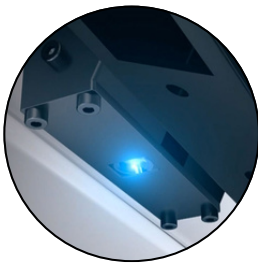
**ROBUST FRAME**



**ALL-IN-ONE DESIGN**



**MODULAR TUBE DOCKING**



**HIGH-RESOLUTION CAMERA**



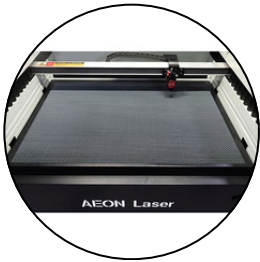
**INTEGRATED AUTOFOCUS**



**MATERIAL PASS THROUGH**

The AEON MIRA 5S with a 45W CO<sub>2</sub> glass tube is a compact yet powerful desktop laser system designed for precise engraving and cutting. Its user-friendly design, smooth motion control, and reliable DC tube make it ideal for small businesses, makers, and creative professionals working with wood, acrylic, leather, and more.

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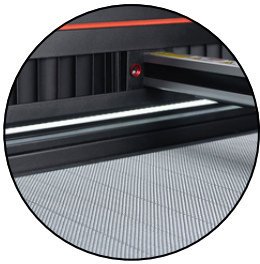
**SUPER BRIGHT WORK AREA**



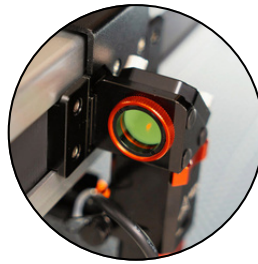
**STATUS LIGHT**



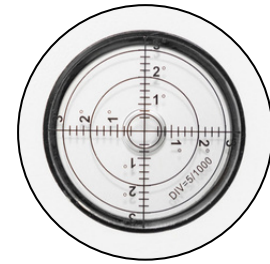
**INTUITIVE LCD DISPLAY**



**SAFE-GUARDED OPTICS**



**SAFE-GUARDED LASER HEAD**



**BULLSEYE LEVELING GAUGE**



**TOOLLESS MAINTENANCE  
TUBE REPLACEMENTS**



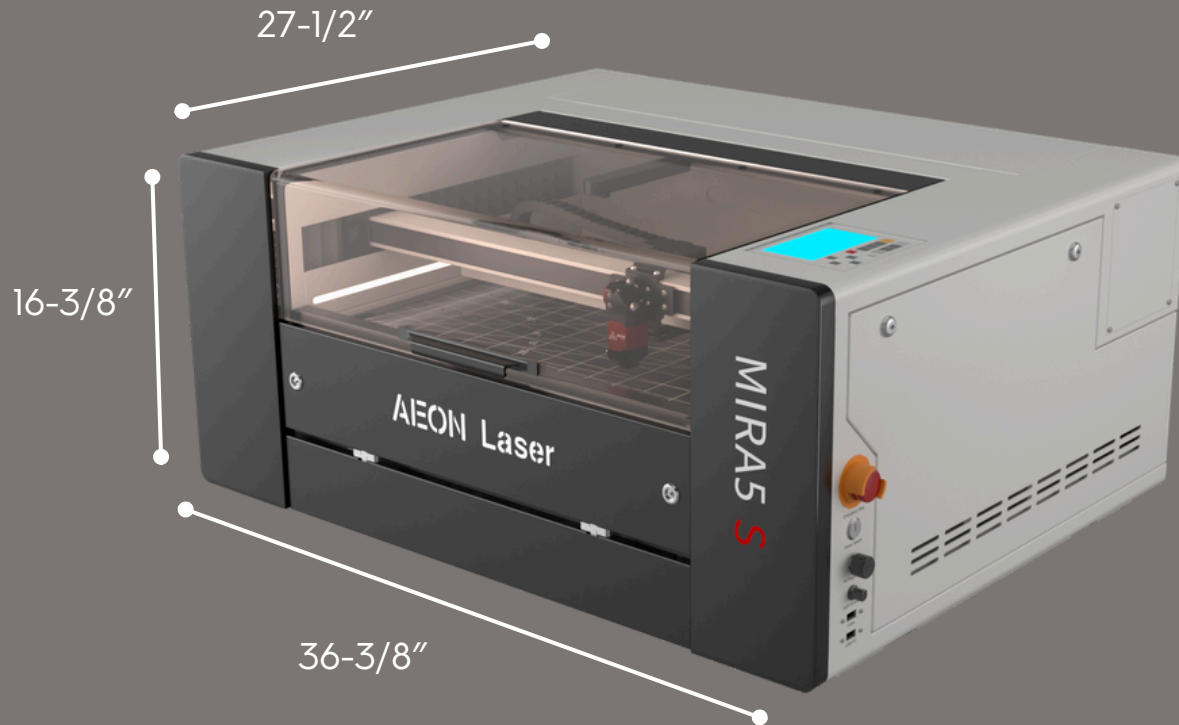
**TOOLLESS MAINTENANCE  
MIRRORS**



**TOOLLESS MAINTENANCE  
LENS CARTRIDGES**

MIRA 5S

# Measurements



## Machine Dimensions

W 36-3/8" x D 27-1/2" x H 16-3/8"

## Z-Axis Max Bed Travel

5-1/2"

## Working Area

19-3/4" x 11-3/4"

## Shipping Dimensions

W 39-3/8" x D 22-7/8" x H 31-1/2"

## Machine Weight

220 lbs.

## Machine Weight + Crate

291 lbs.

## MIRA 5S - 45W DC

LASER SOURCES	
Glass CO <sub>2</sub> Tube	45W CO <sub>2</sub> Glass Tube (JOI)
Cooling Method CO <sub>2</sub> Tube	Water

MOTION & PRECISION	
Motors	DC Steppers
Guide Rails	Hiwin Linear Rails
Max Acceleration	5G
Max Speed	1500 mm/s
Minimum Font Size	1.0 x 1.0mm
Positioning Accuracy Max	<=0.01mm
Scanning Precision Max	1200 DPI
Red Dot Positioning	✓
Autofocus	Integrated
Wireless Remote Control	Optional

COOLING, AIR ASSIST & VENTILATION	
Water Chiller	Built-in S&A Fan Cooled Chiller
Fume Exhaust Fan	Built-in 75W, 4" 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	44lbs

POWER REQUIREMENTS	
Voltage/Frequency	120v/60Hz
Amperage	15A
Rated Power Draw	500W

**MIRA 5S - 45W DC**

<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



 205 COASTAL LANE, UNIT 1105, WEST MELBOURNE, FL 32904  321-260-2325

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