The Aeon Redline Series is designed to maximize profits with its primary focus on increasing efficiency, versatility and ease of use, while simultaneously reducing downtime and overall maintenance.

Model	MIRA5S	MIRA7S	MIRA9S

Size

	MIRA5S	MIRA7S	MIRA9S
Working Area	11-3/4" x 19-3/4" (300*500mm)	19-3/4" x 27-1/2" (500*700mm)	23-5/8" x 35-1/2" (600*900mm)
Max Bed Travel	5-1/2" (140mm)	5-1/2" (140mm)	5-7/8" (150mm)
Machine Dimensions	36-3/8" x 27-1/2" x 16-3/8" (925*700*415mm)	45-1/4" x 37-5/8" x 20-1/4" (1150*955*515mm)	64" x 42-1/2" x 20-5/8" (1625*1080*525mm) Includes 12" (300mm) Tube Extension
Machine Weight	220lbs (100kg)	396lbs (180kg)	551lbs (250kg)

Laser Source

	MIRA5S	MIRA7S	MIRA9S
DC Glass Tube	45W	60W	100W
RF Metal Tube	30W/60W	30W/60W	30W/60W
RF Ceramic Tube	NA	60W	60W/100W/150W
CO2 Glass Cooling Method	Water	Water	Water
RF Metal Cooling Method	Air	Air	Air
RF Ceramic Cooling Method	N/A	Water	Water

Performace

	MIRA5S	MIRA7S	MIRA9S
Motors	High Speed DC Steppers AC Servos (RF Metal)	High Speed DC Steppers AC Servos (RF Metal) DC Servos (Signature)	High Speed DC Steppers AC Servos (RF Metal) DC Servos (Signature)
Guide Rails	Hiwin Linear Rails	Hiwin Linear Rails THK Linear Rails (Signature)	Hiwin Linear Rails THK Linear Rails (Signature)
Max Acceleration	5G (DC)/8G (RF)	5G (DC)/8G (RF)	5G (DC)/8G (RF)
Max Speed	1200mm/s (DC Glass) 3500mm/s (RF Metal)	1200mm/s (DC Glass) 3500mm/s (RF Metal) 5000mm/s (Signature)	1200mm/s (DC Glass) 3500mm/s (RF Metal) 5000mm/s (Signature)
Minimum Font Size	1.0 x 1.0mm	1.0 x 1.0mm	1.0 x 1.0mm
Positioning Accuracy	<=0.01mm	<=0.01mm	<=0.01mm
Max Scanning Precision	1000 DPI	1000 DPI	1000 DPI
Max Lifting Capacity	44lbs (20kg)	55lbs (25kg)	55lbs (25kg)

Model	MIRA5S	MIRA7S	MIRA9S
Configuration			
Water Chiller	Built-in S&A 3000 Fan Cooled Chiller	Built-in S&A 3000 Fan Cooled Chiller	Built-in S&A 5000 Vapor Compression Chiller
Fume Exhaust Fan	Built-in 75W, 4" Dia. Axial Inline Fan	Built-in 110W, 6" Dia. Axial Inline Fan	Built-in 110W, 6" Dia. Axial Inline Fan
Air Assist	Built-in 85w Air Pump	Built-in 85w Air Pump	Built-in 85w Air Pump
Clean Pack Design	X and Y Axis	X and Y Axis	X and Y Axis
Autofocus	Integrated	Integrated	Integrated
Wifi Data Transfer	✓	✓	✓
Red Dot Positioning	✓	✓	✓
Material Pass Through Door	✓	✓	✓
Bullseye Leveling Guage	✓	✓	✓
Dimmable Overhead Lighting	×	✓	✓
Smart Air Solenoid Valve	✓	✓	✓
Modular Laser Tube Docking	✓	✓	✓
Lid Material	Polycarbonate	Polycarbonate	Polycarbonate

Table	MIRA5S	MIRA7S	MIRA9S
Downdraft	×	×	×
Blade Table	✓	✓	✓
Honeycomb Table	✓	✓	✓
Material Collection Tray	×	×	×

Control & Software	MIRA5S	MIRA7S	MIRA9S
Control Panel	5" Keypad & LCD display	5" Keypad & LCD display	5" Keypad & LCD display
Memory Capacity	1GB	1GB	1GB
Lightburn Software	✓	✓	✓
Compatible Software	CorelDraw, Photoshop, AutoCAD, InkScape, or any software that can export into the supported file formats	CorelDraw, Photoshop, AutoCAD, InkScape, or any software that can export into the supported file formats	CorelDraw, Photoshop, AutoCAD, InkScape, or any software that can export into the supported file formats
Operating System	Windows & Mac	Windows & Mac	Windows & Mac
Supported File Formats	AI/PDF/DXF/PLT/SVG/DXF/SC/BMP/JPEG/JPG/PNG/GIF/TIFF/TIF/TGA	AI/PDF/DXF/PLT/SVG/DXF/SC/BMP/JPEG/JPG/PNG/GIF/TIFF/TIF/TGA	AI/PDF/DXF/PLT/SVG/DXF/SC/BMP/JPEG/JPG/PNG/GIF/TIFF/TIF/TGA

Model	MIRA5S	MIRA7S	MIRA9S
Optics			
Toolless Mirror Change	✓	✓	✓
Magnetic Lens Cartridge	✓	✓	✓
Isolated Optics	✓	✓	✓
1.5" Lens	Optional	Optional	Optional
2" Lens	Standard	Standard	Standard
2.5" Lens	Optional	Optional	Optional
4" Lens	Optional	Optional	Optional
Mirror Sizes	φ25mm (x3)	φ25mm (x3)	φ25mm (x3)
Beam Combiner	φ25mm	φ25mm	φ25mm
Protective Window	φ20mm	φ20mm	φ20mm

Safety			
Safety Level	Class 1	Class 1	Class 1
Smart Monitoring	✓	✓	✓
Optics Temperature Alarm	✓	✓	✓
Diagnostic Log	✓	✓	✓
Fire Supression	Optional	Optional	Optional
LED Status Light	✓	✓	✓
Lid Interlock	✓	✓	✓
Side Panel Interlocks	✓	✓	✓
Water Flow Protection	✓	✓	✓
Water Temperature Alarm	✓	✓	✓

Power			
Voltage/Frequency	110v/60Hz	110v/60Hz	110v/60Hz
Amperage	15A Dedicated Circuit	15A Dedicated Circuit	20A Dedicated Circuit
Rated Power Draw	500W (max wattage laser tube)	500W (max wattage laser tube)	1400W (max wattage laser tube)

Package			
Package Size	39-3/8" x 31-1/2" x 22-7/8" (1000*800*580mm)	49" x 43" x 29" (1250*1110*740mm)	69" x 46-1/2" x 29-1/2" (1750*1180*750mm) Includes 12" (300mm) Tube Extension
Packed Gross Weight (G.W)	291lbs (132kg)	474lbs (215kg)	637lbs (289kg)

Model	MIRA5S	MIRA7S	MIRA9S
Add-Ons			
Camera	✓	✓	✓
Stand	Optional	Optional	Optional
Smart Rotary	Optional	Optional	Optional
Multi Roller	Optional	Optional	Optional
Rotary Chuck	Optional	Optional	Optional
PiBurn or Rotoboss	Optional	Optional	Optional
Filtered Fume Extractor	Optional	Optional	Optional
Wireless Remote Control	Optional	Optional	Optional
Air Compressor	Optional	Optional	Optional

Warranty			
2 Year	✓	✓	✓
3 Year	Optional	Optional	Optional
4 Year	Optional	Optional	Optional

Pricing			
Customize your laser	Starting at $6995*	Starting at $8995*	Starting at $11995*

*Details and pricing are subject to change. Please refer to www.aeonlaser.us for the most current information.