

CO2 Laser Cutting Machines Specification Sheet

CO2 laser cutting machine for businesses and hobbyists that engraves and cuts wood acrylic paper MDF foam and fabric while reducing material wastage

1390 Hybird Laser Cutter

Parameter	Value
Model	WH-1390M
Work Size	1300 x 900 mm
Laser Power	150 W / 180 W / 200 W / 300 W / 500 W / 600 W
Laser Type	CO2 sealed laser tube, 10.6um
Positioning Accuracy	±0.02 mm/m
Max Cutting Speed	20 m/min
Max Cutting Thickness	40 mm (material dependent)
Control System	Ruida control software with offline control
Cooling	Water cooling chiller
Voltage	AC110-220V ±10%, 50-60Hz
Rated Power	<2000 W

CO2 Hybrid Laser Cutting Machine

Parameter	Value
Model	WH1325M
Cutting Size	1300 x 2500 mm
X Axis Travel	1300 mm
Y Axis Travel	2500 mm
Z Axis Travel	40 mm
Laser Power	150 W (220 W / 300 W optional)
Laser Type	Sealed CO2 glass laser tube
Positioning Accuracy	±0.05 mm
Repeatability Accuracy	±0.01 mm
Control System	Ruida control
Driving System	Stepper motor & Leadshine driver
Cooling System	S&A; CW5200 chiller
Power Supply	AC110/220±10%, 50Hz-60Hz
Rated Power	4 kW
Machine Weight	1200 kgs
Machine Dimension	3600 x 1850 x 1300 mm

1390 Tube Laser Cutting Machine

Parameter	Value
Model	WH-1390M
Work Size	1300 x 900 mm
Laser Power	300 W and 80 W
Laser Type	Sealed CO2 laser tube
Wave Length	10.64 μ m
Control System	Ruida 6332m
Max Cutting Speed	10000 mm/min
Repetition Accuracy	$\leq \pm 0.01$ mm
Min Letter Size	Chinese 1.5 mm, English 1 mm
Cooling Mode	Water chiller CW6000
Laser Power Control	0-100% software control
Working Voltage	Single phase 110V/220V, 50-60HZ

200w 300w 500w 600w CO2 laser Cutting Machine

Parameter	Value
Models	WH1325 / WH2030
Cutting Size WH1325	1300 x 2500 mm
Cutting Size WH2030	2000 x 3000 mm
Laser Power	220 W / 300 W / 500 W / 600 W
Laser Type	Sealed CO2 glass laser tube
Positioning Accuracy	±0.05 mm
Repeatability Accuracy	±0.01 mm
Control System	Ruida control
Driving System	Stepper motor & Leadshine driver
Cooling System	CW6000 chiller
Rated Power	1500 W
Power Supply	AC110/220 ±10%, 50Hz-60Hz
Supported File Formats	DST, PLT, BMP, DXF, AI, CDR, CIF, PCX, DWG

Contour Laser Cutter For Fabric with Vision CCD Camera

Parameter	Value
Model	WH-1325 / WH-1626 / WH2030
Work Size	1300×2500 mm / 1600×2600 mm / 2000×3000 mm
Laser Power	80 W / 100 W / 130 W / 150 W / 180 W
Laser Type	CO2 laser
Wavelength	10.6 um
Cooling Way	Water cooling
Rated Power	<=1500 W
Camera Brand	Canon
Control System	Trocen
Driving System	Step motor
Guide Way	Taiwan CSK linear guide rail
Air Pump	1 unit, Hailea brand
Air Blower	3 units
Format Supported	PLT, DST, DXF, DWG, AI, LAS

150w Real-time Auto focus Laser Cutting Machine

Parameter	Value
Model	WH9060 / WH1390 / WH1610 / WH1812
Work Size	900x600mm / 1300x900mm / 1600x1000mm / 1800x1200mm
Laser Power	80W / 100W / 130W / 150W
Laser Tube Type	Sealed glass CO2 laser
Cooling Method	Water cooling with water protective system
File Format Supported	PLT/DST/AI/DXF/BMP/JPG/CAD/CDR/DWG
Power Supply	AC110/220v, 50/60hz
Rated Power	<1500w
Driving System	AC110/220v, 50/60hz
Assistant Parts	Air pump, Water pump/cooling chiller, 550w Air blower

WH1290 CCD Camera Laser Cutting Machine

Parameter	Value
Model	WH1290 CCD Camera Laser Cutting Machine
Work Area	1200 x 900 mm
Laser Power	80 W / 100 W / 130 W / 150 W / 180 W
Laser Tube Brand	Beijing RFR or RECI
Laser Tube Life	10000 hours
Engraving Speed	0-60000 mm/min
Cutting Speed	0-30000 mm/min
Max Cutting Thickness	0-30 mm (depends on material)
Control System	Ruida / Leetro
Cooling System	Water cooling
Voltage	AC110/220v, 50/60hz

1390 Marble Laser Engraving Machine

Parameter	Value
Model	WH-1390
Laser Power	60 W / 80 W (Higher power optional)
Laser Type	CO2 Laser
Machine Table	Air pressure lifting platform
Resetting Positioning Accuracy	±0.01 mm
Gross Power	<1000 W
Operating Temperature	0 to 45 °C
Operating Humidity	5 to 95%
Minimum Shaping Character	English 1 x 1 mm
Graphic Format Supported	BMP, PLT, DST, DXP, AI
Driving System	Step motor
Cooling Mode	Water-cooling and protection system
Assistant Parts	Exhaust-fans, air-blower, water pump
Compatible Software	CorelDraw, AutoCAD, Photoshop
Package Size	2400 x 1730 x 1360 mm
Gross Weight	450 kg

Fabric Laser Cutting Machine

Parameter	Value
Model	WH-1630T
Work Size	1600 x 3000 mm
Optional Sizes	1300 x 2500 mm / 1600 x 2600 mm / 2000 x 3000 mm / 2000 x 6000 mm
Laser Power	80 W / 100 W / 130 W / 150 W / 180 W
Laser Type	CO2 Laser Tube
Laser Wavelength	10.6 um
Cooling Method	Pure Water Cooling
Repeatability	±0.01 mm
Rated Power	<=1500 W
Motor and Driver	Step Motor and Leadshine Driver
Y Axis	Double Motors
Control System	DSP Control, Ruida Control System as Default
File Formats	PLT, DST, DXF, DWG, AI, LAS
Package Size	4300 x 2200 x 1350 mm
Gross Weight	1300 kg

Double heads CO2 Laser Cutting Machine

Parameter	Value
Model	WH1490-2
Work Size	1400*900mm
Machine Size	1920*1520*1020mm
Laser Heads	2 pcs
Laser Power	60w/80w/100w/130w/150w Optional
Work Table	Blade table/Honeycomb table
Engraving Speed	0-60000mm/min
Cutting Speed	0-30000mm/min
Driving System	Stepper motor
Power Supply	AC 110-220V, 50-60Hz
Min Shaping Character English	1mm*1mm
Supported Graphic	BMP, PLT, DST, DXP, and AI
Software Supported	CorelDraw, AutoCAD, Photoshop
Standard Assistant Parts	550W Exhaust fan *2 units Water pump*2 units 195w air compressor 2 units
Optional Parts	CW3000w/CW5000/CW5200 chiller Motorized up down table Auto focus Red dot pointer Rotary axis Servo motor
Single Head Processing Width	up to 1250 mm

1325 Laser Cutting Machine

Parameter	Value
Model	WH-1325
Work Area	1300 x 2500 mm
Machine Size	2950 x 1800 x 1100 mm
Laser Type	Sealed CO2 Laser Tube
Laser Power	80W / 100W / 130W / 150W / 200W / 300W
Cutting Speed	0 - 60,000 mm/min
Positioning Accuracy	0.01 mm
Min Text Size	English 1mm, Chinese 2mm
Cooling System	Water Cooling
Control System	DSP Controller
Power Supply	AC 110-220V, 50-60Hz
Work Table	Blade Table or Honeycomb Table

1390 CO2 Laser Engraving Cutting Machine

Parameter	Value
Model	WH-1390
Work Size	1300 x 900 mm
Machine Size	1820 x 1320 x 1020 mm
Laser Head Quantity	2 Pcs
Laser Power	60 W / 80 W / 100 W / 130 W / 150 W
Work Table	Blade table / Honeycomb table
Engraving Speed	0-60000 mm/min
Cutting Speed	0-30000 mm/min
Driving System	Stepper motor
Resetting Positioning Accuracy	0.01 mm
Laser Tube Cooling	Water cooling
Max Power	About 1 kW
Machine Control	DSP controlling
Power Supply	AC 110 - 220 V, 50 - 60 Hz
Min. Shaping Character	Chinese 2 mm x 2 mm, English 1 mm x 1 mm
Supported Graphic	BMP, PLT, DST, DXP, and AI

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Figures are the published machine data. Options and configurations are confirmed per order.