

INDUSTRIAL PRODUCT DATASHEET

Desktop Laser Cutting System

A high-speed desktop laser cutter with 40W/60W power, a 23.6" x 15.7" work area, servo motors, water-cooling, and smart control automation.

SKU	UPDATED	PRICE
114991739	2025-09-02 05:55:31	\$5750.00(Excl. VAT)



Overview



The Desktop Laser Cutting System is a versatile maker tool with a 40W or 60W laser tube, a 23.6" x 15.7" (600 x 400 mm) work area, and capabilities for cutting, engraving, and marking. It features servo motors for speeds up to 1,000 mm/s, water-cooling with no-water protection, a smart board that automates air assist and exhaust, and an alarm lamp for job status indication.

Key Features

Description

If you would like to purchase or obtain more information about this item, please email us at: Manufacturing@chaihuo.org

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- Our desktop laser cutting system is a suitable tool for basic makers to start. Cutting, marking and engraving is just the beginning. Combine to create a huge array of designs and products.

Standard Features:

- Available in 40w or 60w laser tube
- Work Area: 23.6" x 15.7" (600 x 400 mm)
- Servo system - With our high-speed motors, you can run jobs up to 1,000 mm/s. The laser head also moves around the work surface much more quickly than the standard Stepper motors at 600 mm/s
- Water-cooled - Set it and forget it!! With our "No Water" protection, you never have to worry about your chiller. Simply fill it with 2 gallons of distilled water and forget about it!
- Alarm lamp - Easily know from a distance when the machine is finished with a job. The light will turn green when the machine has stopped, and red while the machine is running.
- Smart board - The Smart Board controls the Air Assist and Exhaust System to only run during jobs. This saves energy and noise when not in use.
- Combined Red dot Pointer
- Infrared Auto focus
- Motorized table
- Pass-through Door
- Air Assist
- Exhaust fan
- HoneyComb Table
- 2" (50.8 mm) Focus Head / Lens
- Easily Adjustable Home Position
- LCD Display•
- "No water" Protection
- Emergency Stop
- Open cover protection

Technical Details

TECHNICAL DETAILS

MATERIALS

Product Gallery



Compliance & Logistics

Description

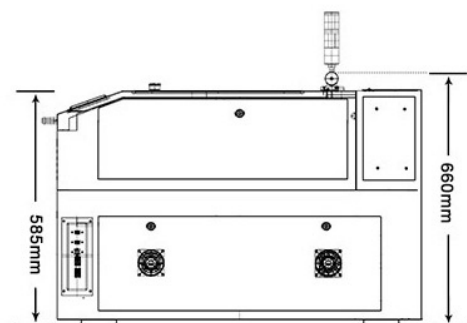
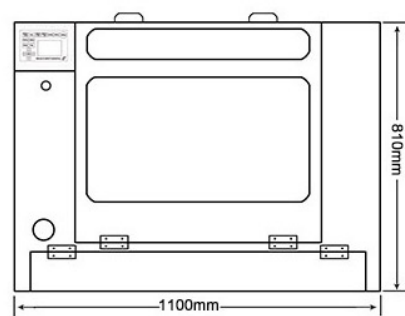
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MACHINE DIMENSIONS



Technical Details

TECHNICAL DETAILS

Desktop Laser Cutting System		
Laser Tube Wattage		40-60Watt
Work Area		600x400mm(23.6" x 15.7")
Max Part Size (WxLxH)	Front door closed	700x530x170mm(27.6" x 20.9" x 6.7")
	Pass-through door	700x∞x15mm(27.6" x ∞" x 0.6")
Table Size		700x530mm(27.6" x 20.9")
Z Axis Height		155mm(6.1")

Dimensions(WxDxH)	1070x790x610mm(42.1" x 31.1" x24")
Net Weight	130kgs(287lbs)
Laser Type	Sealed Co2 Glass Laser Tube
Cooling	Water Cooled
Motion Control System	High-Speed Servo Motors
Maximum Speed	1000mm/S(39.4 IPS)
Speed and Power Control (engraving depth)	Computer or manually controlled speed and power from 0-100%. Vector color mapping sets speed and power settings using RGB color mapping.
Operating Modes	Optimized raster, vector, and combined mode
Resolution(DPI)	User controlled from 100 to 500DPI(standard laser head), up to 1000 DPI(HR head)
Computer Interface	Ethernet and USB Connection
Compatible Operating Systems	Windows XP/2000/Vista/7/8/10
Buffer Memory	128MB Standard
Display Panel	3.5" LCD panel showing current file, total working time, laser power, speed etc.
Electrical Requirements	110 to 240 volts, 50 or 60 Hz, single phase
Ventilation System	Integral exhaust fan. There is 1 output port, 5.7" (145 mm) in diameter in the rear of the case.

MATERIALS

Materials	Engrave	Cut
Wood	√	√
Acrylic	√	√
Delrin	√	√
Cloth	√	√
Leather	√	√
Mat Board	√	√
Melamine	√	√
Paper	√	√
Mylar	√	√
Pressboard	√	√
Rubber	√	√
Wood Veneer	√	√
Fiberglass	√	√
Plastic	√	√
Cork	√	√
Corian	√	√
Twill	√	√
Anodized Aluminum	√	X
Painted Metals	√	X
Tile	√	X
Glass	√	X
Coated Metals	√	X

Ceramics	√	X
Marble	√	X
Stainless Steel	*	X
Brass	*	X
Titanium	*	X
Bare Metal	*	X

Resource Links

- <https://www.seeedstudio.com/Desktop-laser-cutting-system-p-2845.html>

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