

HEXA

Specification



1. HEXA machine specs

General

Product Specification	60W Laser Cutter (With 200cm Vent Hose)
Machine Size	1110 x 670 x 273 mm
Machine Weight	58 kg
Packing Size	1240 x 800 x 410 mm
Packing Weight	68 kg
Working Area	730 x 410 mm / 28.8 x 16 in
Working Table Type	Honey comb + Spacer
Camera Preview Area	730 x 405 mm
Power	60W AC110 / 220V
Touch Panel	7" 1024 x 600 LCD
Rotary Device	Objective height: 10 mm - 120 mm
Camera	HD CMOS
Warranty	Entire machine 1 year
I/O	USB / WiFi / Ethernet
Maximum Thickness	0 - 10 mm (varies by material)
Cutting Speed	5 mm/s - 25 mm/s (Measurement: 3mm-10mm acrylic)

Laser

Laser wavelength	10640 nm
Max Engraving Speed	900 mm/s.
Minimum Engraving Size	1 mm
Engraving Resolution	1,000 DPI
Laser tube warranty	1 year

Software

File Type	JPG / PNG / SVG / DXF / AI / PDF
Operating system and browser	Windows / macOS / Linux / Chrome / Safari

2. HEXA add-ons specs

Rotary specs

Object height (With platform)	10 - 750 mm
Object height (Without platform)	1050 mm

1.5 Focus Lens specs

Diameter	18 mm
Thickness	2 mm
Focal Length	38.1 mm

3. HEXA spare parts specs

FLUX Laser Tube (60W) Main Parameters

Wavelength	10.6 μ m	Pulse frequency	Continuous
Length	1000 mm	Ignition current	4mA
Diameter	Φ 55	Working current	20mA
Ignition voltage	20kV	Spot diameter	5 mm
Beam divergence angle	< 2.5mrad	Rated power	60W

Excitation mode	Electric excitation
Max. power	70W
Stability	>95%
Cooling	Water 20 - 30°C

Operating voltage	15 kV
Beam quality	M2<1.1
Laser mode	TEM00

FLUX Power Supply (60W) Main Parameters

Type	MYJG60W
Power	50W - 65W
MTBF	≥ 30,000 hours
Response rate	≤ 1mS

Lens specs

Product Specification	ZnSe
Machine Size	50.8 mm
Machine Weight	+/- 1 mm
Packing Size	0.3 mm

Mirrors specs

Material	MO
Diameter	20
Thickness	2
Reflective	93%

Air Compressor specs

Power	20W
Tube Calibre	6 mm
Output	20 L/min

Exhaust Fan specs

Size	12 cm
Voltage	12V
CFM	250
Wattage	57W
RPM	5500
AMP	4.8A