




Specification List

Product Photo	Model	DIY KIT
  	Real Laser Power	≥20000mW (20W)
	Machine Power	144W
	20W thickest cutting capacity	Pine board: 20mm Birch plywood: 12mm Black acrylic: 30mm MDF: 5mm Walnut: 15mm Eucalyptus plywood: 10mm Basswood plywood: 15mm Paulownia wood: 12mm Cherry Wood: 15mm
	Safety Function	Watch Dog (Incorrect settings of the machine cause disordered operation of the machine. it will stop the machine to avoid risk)
		Laser detection and protection
		USB Connection Detection and Protection
		Machine Offset & Shake Detection Protection
		Emergency Stop Switch
		Voltage detection and protection
		Key Lock
	Add-ons	Free Air Pump -30L/Min
	Engraving Speed	12,000 mm/min Max
	Spot Size	0.15mm*0.12mm
	Engraving Area	X400*Y400mm
	Control Software	Laser GRBL (free), LightBurn (60usd/year), AlgoLaser Mobile APP
	Connection	Wifi (2.4G), TF Card(Built in 32G), USB (TYPE-C)
	Laser Type	Diode
	Wave Length	450±5nm
	Focus	5 mm from Laser Shield
	Input Format	jpg, svg, png, bmp, G code, dwg, and etc.
	Lens Materials	Glass
	Frame Materials	Aluminum Alloy
	Motherboard	ALGOLASER_DIY_KIT_V1.2
	Input Voltage	100V-240V~50/60Hz
	Power Adapter Output	24V6A (6A MAX)
	Available Materials of Engraving	Birch Plywood; Basswood Plywood; Eucalyptus Plywood; Pine Board; Paulownia Plank; MDF; Cherry Wood; Walnut; Colorful Acrylic (Except Blue); Cardboard; Coated Duplex Board; Leather; Colored Paper; Navy Blue Canvas; Denim; Rubber; bamboo; Coated Metal; Dry Leaves
	Available Materials of Cutting	Wood Board, Paperboard, Black Acrylic, Leather, Felt Cloth, Dark Color Plastic Sheet (Melt), etc.
Laser Module Lifetime	>10,000 Hrs	
Operating Temp	-10°C to 40°C	
Product Size	642mm*602mm*180mm	
Package Size	735mm*223mm*180mm	
Gross Weight	6.5Kg	

REMARK:

1, **Warranty:** One Year Against Manufacturing Defect.

2, **Ticketing System:** <https://algolaser.com/support/>

3, **User Voice Type:** <https://forum.algolaser.com/>

4, **Knowledge Base:** <https://algolaser.com/en/learn/>