

### Specification List

Product Photo	Model	Alpha MK2
	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	20,000 mm/min Max
	Spot Size	0.15mm*0.12mm
	Engraving Area	X400*Y410mm
	Control Software	Laser GRBL (free), LightBurn (60usd/year), Touch Screen, 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	Alpha MK2_V4.1
	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	692x585x200(mm)
	Package Size	765x235x220(mm)
Gross Weight	8.7Kg	

**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/>