深圳奥菲诺科技有限公司
Shenzhen Algo Technologies Co., Ltd.
Address: 5th Floor Building E5, Juyin Technology Industrial Park, Ganli Road, Longgang District, Shenzhen 518116, China
www.algolaser.com; TEL: 0755-28997576

Specification List

Product Photo	Model	Alpha
	Real Laser Power:	20W
	20W thickest cutting capacity:	Soft pine board: 30mm Birch plywood: 12mm Black acrylic: 50mm Eucalyptus plywood: 15mm Basswood plywood: 20mm
	20W One Pass cutting capacity:	Birch plywood: 10mm Basswood plywood: 15mm Steel plate: 0.1mm Eucalyptus plywood: 5mm Black acrylic: 10mm Gray cardboard: 3mm Black ABS board: 4mm MDF: 6 mm Paulownia wood: 15mm Bamboo: 8.5mm
	Smart Laser Module Features:	Flame Alert: Real-time monitoring of laser temperature ensures safe operation.
		Temperature Monitoring
		Lens Cleaning Reminder: Lens Cleaning Reminder: Remind clean the lens after each 25 work hours
		Air Pressure Monitoring: Continuous monitoring of air pump operation ensures stable airflow pressure.
	Safety Function :	Machine Offset Detection and Protection
		Machine Tilt Detection and Protection
		USB Connection Detection and Protection
		Current and Voltage Detection and Protection
		Emergency Stop Switch
		Key Lock
	Add-ons:	Free Air Pump -30L/Min
	Movement Speed :	30,000 mm/min Max
	Engraving Speed :	20,000 mm/min Max
	Spot Size	0.06*0.05mm
	Engraving Area:	X400*Y400mm
	Control Software:	Laser GRBL (free), LightBurn (60usd/year), Mobile APP
	Connection:	Wifi (2.4G), TF Card, USB ,WebUI
	Laser Type:	Diode
	Wave Length:	455±5nm
	Focus:	50mm(From radiators to objects)
	Input Format:	jpg, svg, png, bmp, G code, CAD, AI,CDR, dwg, etc.
	Lens Materials:	Professional Focusing Optical Glass (Fused Silica & H-K9L)
	Frame Materials	Aluminum Alloy
	Motherboard:	ALGO LASER V2.1
	Input Voltage:	100V-240V (Compatible) 50/60Hz
	Power Adapter Output:	24V/6A
	Available Materials of Engraving	Wood Board, Paperboard, Black Acrylic, Leather, Food, Stainless Steel, Power Coated Metal, etc.
	Available Materials of Cutting	Wood Board, Paperboard, Black Acrylic, Leather, Felt Cloth, Dark Color Plastic Sheet (Melt), etc.
	Laser Module Lifetime :	8000-10,000 Hrs
	Operating Temp:	"-10℃-40℃"
	Product size :	674mm*585mm*200mm
	Package Size :	87*28*29cm
	Gross Weight:	9.8kg

REMARK:

1, Warranty: One Year Against Manufacturing Defect.

2, Ticketing System: https://algolaser.com/support/

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

4, Knowladge Base: https://algolaser.com/en/learn/