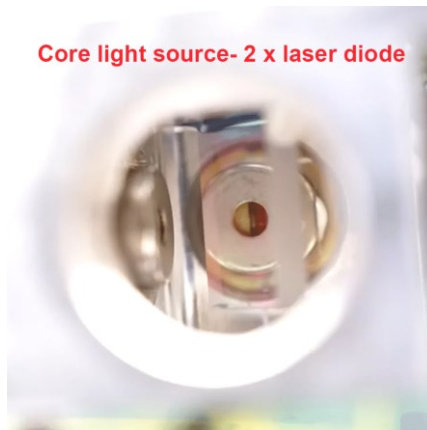


Neje A40640



SPECIFICATION

Module: NEJE A40640

Focus: 0.04x0.06mm

Focus method: adjustable (Recommend 30-55mm)

Optical power: Pulse 12W+, CW 11W+, Use 80% power (9W+) when cutting for a long time.

Replaceable lens design: Yes, Added window protection lens to extend service life (high temperature resistance of 1000 degrees Celsius)

Stainless steel direct grayscale engraving: Yes

3D hardwood engraving: Yes

Maximum cutting thickness: 20mm

Wavelength: 450nm

Weight: 204g

Module Size: 40x50x85 mm

Input: DC 12V 4A

Interface: 4pin PH2.0

Compatible with: NEJE 3 Max, NEJE 3 Pro, NEJE 3 Plus, NEJE 2s Max, NEJE 2s Plus, etc...

Power control: PWM Power Modulation

Fan: double ball high life fan

Drive: NEJE smart quiet drive, built-in static elimination technology.

Surge protection: Yes

Smart feedback: Yes

Temperature feedback: Yes

Temperature control: 45°C

air pump: 0.5-1.5mpa clean air (Needle type air nozzle supports oily and water-containing air source, and sealed air nozzle can only use clean air pump)

Air interface: 4mm pvc trachea

Original registered brand: Yes

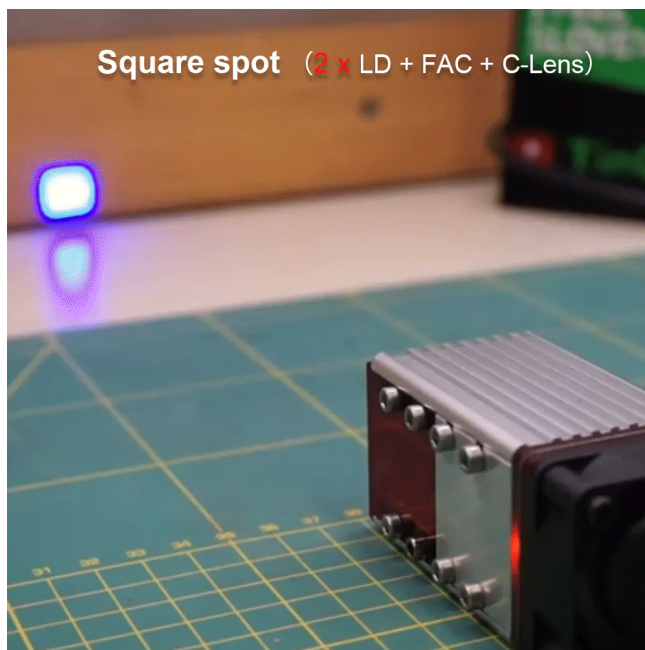
Warranty: 2 years

Warranty Statement: The conditions of NEJE's free after-sale policy must be met under the conditions of non-human disassembly and mis-operation and use in the correct environment.

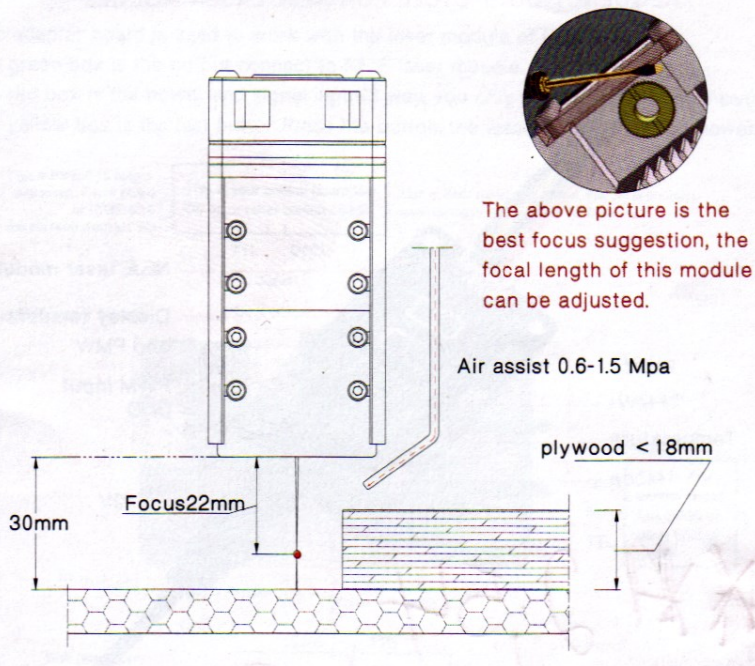
If the wrong voltage is input, or the lens is damaged due to lack of maintenance, it is not within the scope of free after-sale; for maintenance instructions, please refer to NEJE.WIKI

Package list:

- 1 x NEJE A40640 laser module (Built-in high pressure air nozzle)
- 1 x Laser module height adjuster
- 1 x 4 pin cable(30cm)
- 1 x 2pin yellow and black signal line + 3pin input line
- 1 x NEJE digital pwm temperature test / switch / interface adapter board
- 1 x NEJE test / switch / interface adapter board
- 1 x 2.5mm L-shaped wrench
- 1 x 5mm L-shaped wrench
- 1 x Tube (4mm x 2m)
- 1 x connector (M8 to M4)

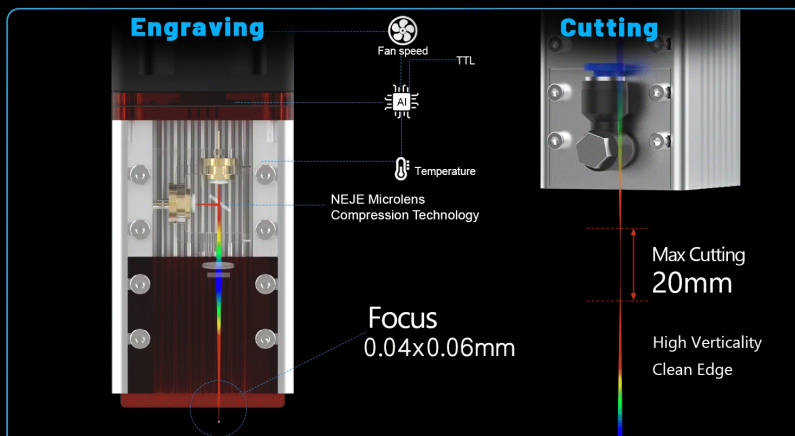


NEJE A40640 FOCUS WITH AIR ASSIST



One Module Solve All Puzzles

NEJE A40640 Dual Beam 12W+ Optical Power Module with 2 Years Warranty



Excellent engraving performance



8mm thickness basswood (One-pass)

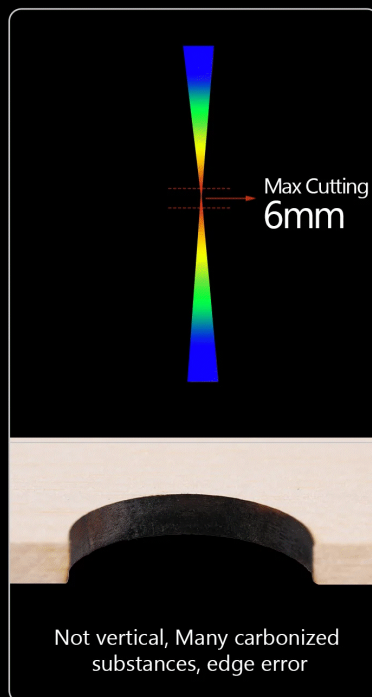
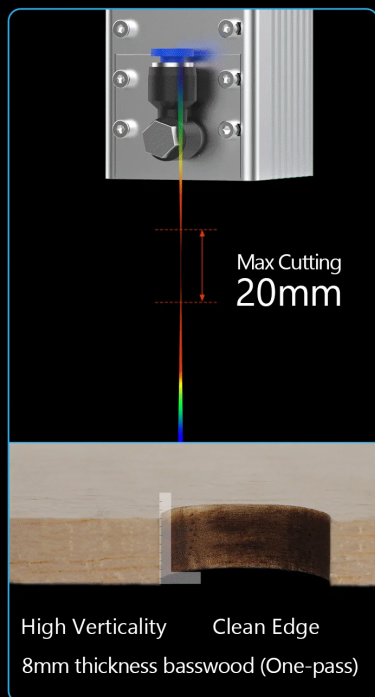


Powerful Cutting but Fewer Burnt Marks

NEJE A40640

VS

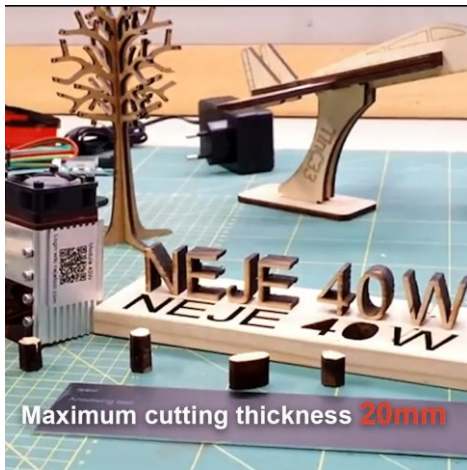
Others



Top engraving ability

clear grayscale engraving on stainless steel surface





Hundreds of Materials For More Professional DIY Enjoyment



Wood Board Cutting



Kraft Paper Cutting



Black Acrylic Cutting



Plastic Engraving



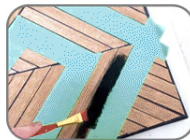
Anodized Aluminum Engraving



Corrugated Board Cutting



Solid Wood Carving



Veneer Cutting



Bamboo Carving



MDF Board Engraving and Cutting



Cardboard Cutting



Stamp Rubber Carving



Canvas art Engraving and Cutting



Non-woven Fabric Cutting



Painted Metal Engraving



Painted Tile Engraving



Stone Carving



Film-coated Transparent Acrylic



V2A Stainless Steel Engraving



Glass and Mirror Engraving



3D Wood Engraving



Leather Engraving



Grayscale Engraving



EPE Cutting



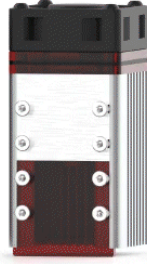
Large Area Black Acrylic Cutting

NEJE A40640 Laser module



Radiator size	40x50x60mm
Weight	204g
Focus method	Zoom focus (The close focus is smaller, suitable for metal engraving and thin material cutting, and the far focus is suitable for cutting thick materials)
Application	Metal engraving, thin metal cutting, stone engraving, glass engraving, seal engraving, cardboard cutting, wood etching, canvas engraving, fabric engraving and cutting, leather engraving and cutting, MDF board cutting, plywood cutting, acrylic cutting, etc; variable focus design, long focal length combined with high pressure air Auxiliary is suitable for cutting thick wood and other materials for making furniture such as lamps, chairs, tables, etc.
Max air pressure	1.5mPa
Speed of the Fan	10600RPM(Double ball bearing)
Interface	PH2.0 4Pin + (2Pin 12v extra power - can be free)
Drive design	Built-in
Input	12V 4A
Optical power	Pulse 12 W+, CW 11W+
Wavelength	450nm
Number of diodes	2
Light source	2 x LD +FAC tech
Min focus spot size	0.06 x 0.06mm
Temperature feedback	YES
Power adjustment method	PWM duty cycle (3.3V - 24V, 0-20KHz)
Continuously working(cw)	Unlimited
Fan speed control	YES
Light feedback	YES
Warranty	2 years (20000h)
Max cutting & carving depth	20mm
Cutting speed (plywood 3mm, with air assist, clear edge)	420m/ min 100%power from 1 pass
Stainless steel direct engraving	YES
Support stainless steel grayscale	YES

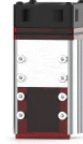
Cutting Speed



Laser module :	NEJE A40640
plywood 2mm cut :	480mm/min,S1000, 1 pass
plywood 3mm cut :	420mm/min,S1000, 1 pass
plywood 4mm cut :	360mm/min,S1000, 1 pass
plywood 5mm cut :	240mm/min,S1000, 1 pass
plywood 8mm cut :	120mm/min,S1000, 1 pass
plywood 18mm cut :	120mm/min,S1000, 3 pass
birch ply 3mm :	480mm/min,S1000, 1 pass
MDF board 3mm cut :	120mm/min,S1000, 1 pass
MDF board 5mm cut :	120mm/min,S1000, 2 pass
MDF board 8mm cut :	120mm/min,S1000, 3 pass
balck acrylic plate 3mm cut :	120mm/min,S1000, 1 pass
balck acrylic plate 5mm cut :	120mm/min,S1000, 2 pass

NOTE : The above data needs to add air assist correctly(0.6-1.5mPA)with laserGRBL or lightburn;
lightburn: 60mm/min=1mm/sec,S1000=100% Power

NEJE A40640



Material Description	Marking	Craving	Cutting
plywood 5mm	✓	✓	✓
plywood 8mm	✓	✓	✓
plywood 18mm	✓	✓	✓
MDF board 5mm	✓	✓	✓
MDF board 8mm	✓	✓	✓
MDF board 18mm	✓	✓	✓
Balsa 8mm	✓	✓	✓
hard wood 18mm	✓	✓	✓
Acrylie 8mm(Dark Color)	✓	✓	✓
Brushed Acrylie(transparent)	✓	X	X
Corrugated cardboard < 8mm	✓	✓	✓
Kraft Paper 0.5mm	✓	✓	✓
Paperboard 2mm	✓	✓	✓
weeding invitation paper 0.5mm	✓	✓	✓
Colored A4 Paper(Not White)	✓	✓	✓
A4 Paper(White)	X	X	✓
Spray art stencils from mylar sheets(less than 1mm thick)	X	X	✓
Heat transfer vinyl	X	X	✓
bamboo	✓	✓	✓
stamp rubber	✓	✓	✓
Non-woven	✓	X	✓
Cotton	✓	X	✓
Linen	✓	X	✓
Velvet	✓	X	✓
Canvas	✓	X	✓
fabric polyester	✓	X	✓
fabric synthetics	✓	X	✓
Leather < 2mm	✓	✓	✓
Leather < 4mm	✓	✓	✓
Plastic	✓	✓	✓
PPR	✓	✓	X
ABS Sheet<2mm (Dark Color)	✓	✓	✓
PVC Sheet 2mm (Dark Color)	✓	✓	✓
Brushed PVC transparent board	✓	X	X
Black foamex(EPE)	✓	✓	✓
KT Board	X	X	✓
EVA foam	✓	✓	✓
Bakelite	✓	✓	X
Brushed Glass	✓	X	X
Cobblestone	✓	X	X
Brushed Ceramic	✓	X	X
Pinted Metal	✓	X	X
PCB board	✓	X	X
Anodised Aluminium	✓	X	X
Brushed Stainless steel	✓	X	X
mirror Stainless steel	✓	X	X
Gold	X	X	X

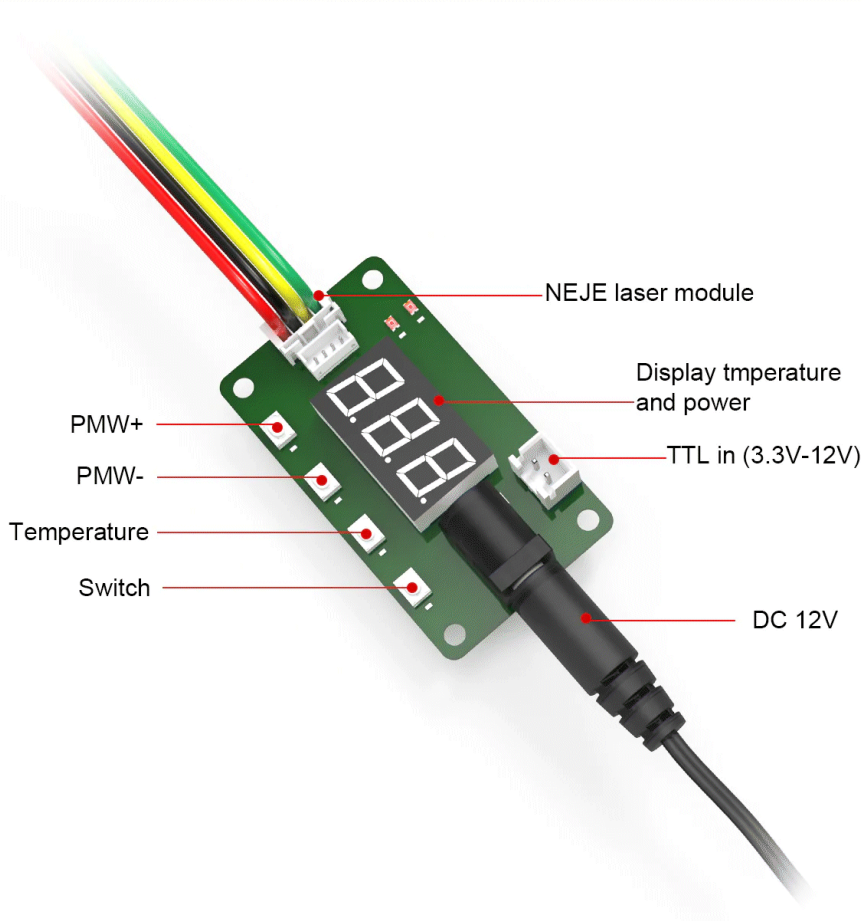
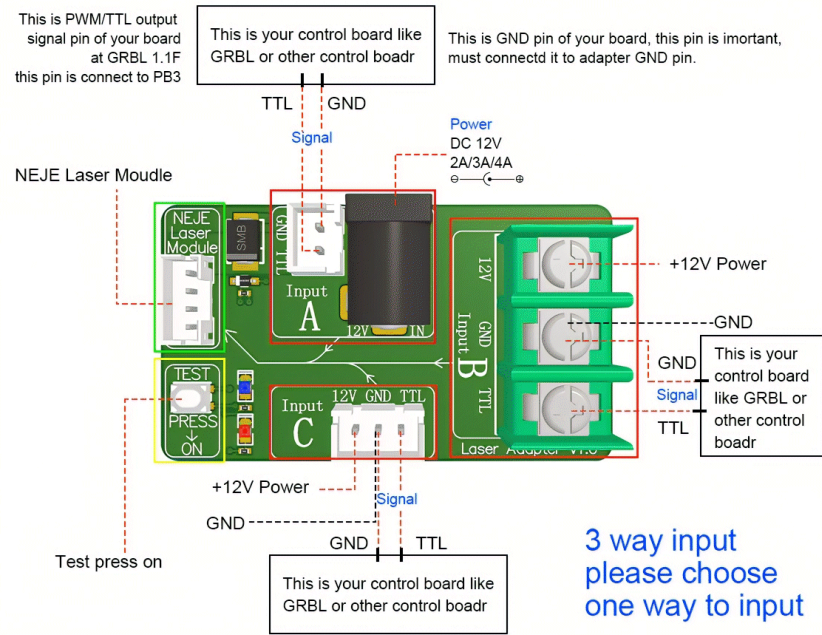
Adapter Board Instructions

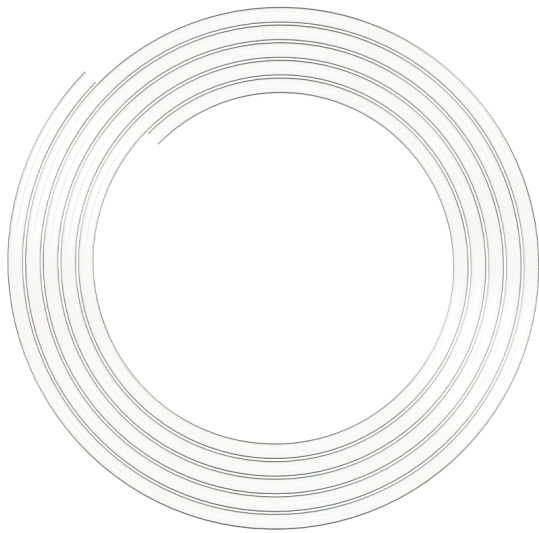
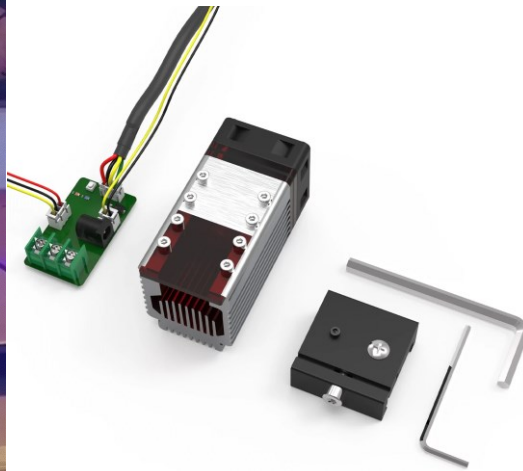
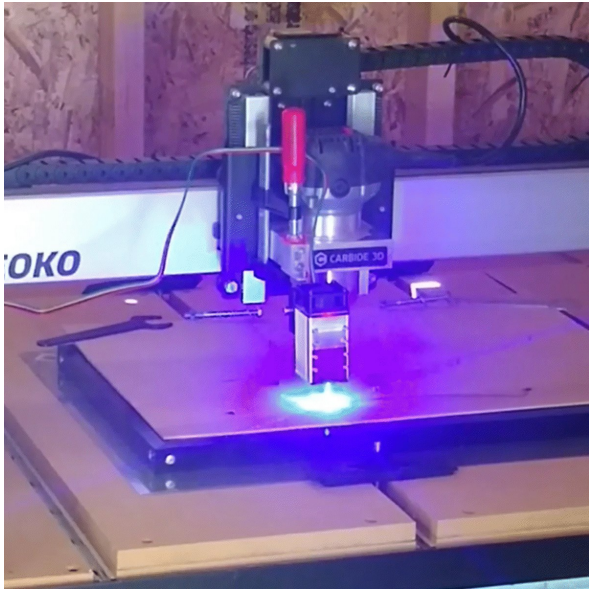
This adapter board is used to work with the laser module of NEJE.

The green box is the output connect to NEJE laser module.

The red box is the power and signal input(3 way, you only need to select one input).

The yellow box is the test button. Press the button, the laser will be on at full power.





NEJE v1.0.0

NEJE

NEJE MODULE KIT

Designed for

- arduino project
- cnc machine
- 3d printer
- wood router machine
- cnc milling machine
- other laser cnc machine

