



Creality Falcon2 (22W) Safer, Smarter, Stronger

Innovations for All Great Ideas



22W strong power
Cut 15mm wood with one pass



Magical colorful engraving



25000mm/min ultra-fast



New integrated air assist



Triple monitoring systems



Five safety protections



Cut 0.05mm stainless steel sheet with one pass



Pre-assembled structure
Offline dynamic preview

Creality Falcon 2 (22W)



Product

Laser Power	22W
Cutting Capacity	Cut 15mm wood with one pass
Engraving Speed	25000mm/min
Colorful Engraving	✓
Spot Size	0.1mm
Working Area	400*415mm
Laser Wavelength	455±5nm
Resolution	254dpi
Laser Source	Diode Laser
Input Voltage	100-240V~ 50~60Hz
Output Voltage	DC 24.0V 5.0A
Supported File Formats	svg, png, jpg, jpeg, bmp, dxf
Supported Software	LaserGRBL, LightBurn
Supported Materials	Cardboard, wood, bamboo, rubber, leather, fabric, acrylic, plastic, metal
Engraving File Format	Gcode
Operating System	windows /macOS

22W More Powerful Than Ever

Based on the latest FPC spot compression technology, four powerful 6W laser diodes are compressed to increase the laser power to 22W.

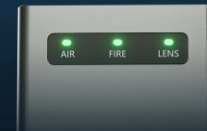


25000mm/min Fast for Higher Productivity

With 2x faster engraving speed, Falcon2 allows you to spend less time creating more.



Triple Monitoring Systems



(Please note that the alarm function is disabled by default. Please enable it in the settings if needed.)



Airflow Monitoring
Indicates the current airflow volume. It enables you to adjust the airflow based on your engraving needs.



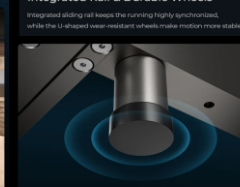
Lens Monitoring
Built-in lens monitoring system will trigger an alarm when the lens is faulty enough, which helps avoid lens breakage and frequent replacement.



Flame Monitoring
When a flame is detected, the indicator will flash red with an alarm and the machine will stop immediately.



Integrated Rail & Durable Wheels
Integrated sliding rail keeps the running highly synchronized, while the U-shaped wear-resistant wheels make motion more stable.



Silicone Foot Pads
The specially designed foot pads help it stand firmly on the table, ensuring 360-degree non-slip operation.

Five Safety Protections

- 1. Mechanical Limit Switch**
This limit switch effectively prevents the machine from overloading and protecting the motor.
- 2. Active Stop Function**
The machine will stop working in case of accidental (or forced) stop with the laser and auxiliary energy shut.
- 3. Security Lock Design**
Professional use only.
- 4. Emergency Stop Button**
If an emergency occurs during operation, you can also manually stop the machine immediately.
- 5. Laser Protective Cover**
Made of high-efficiency colored filter glass material, the protective cover around the laser head will effectively prevent the laser from dazzling the eyes.