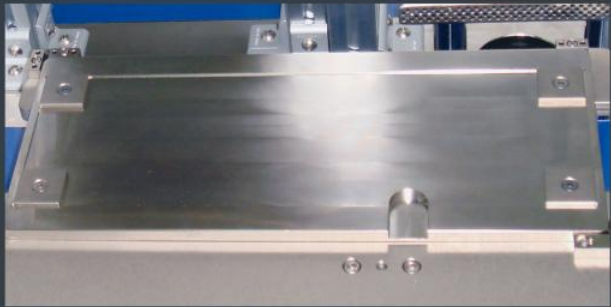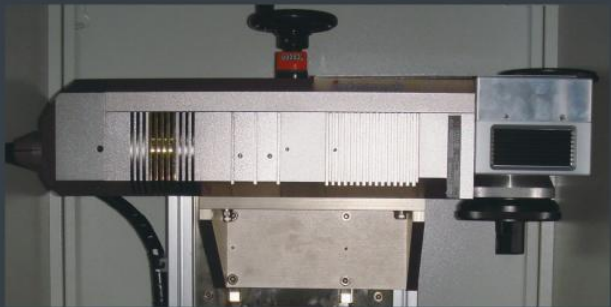**Engraving equipment**

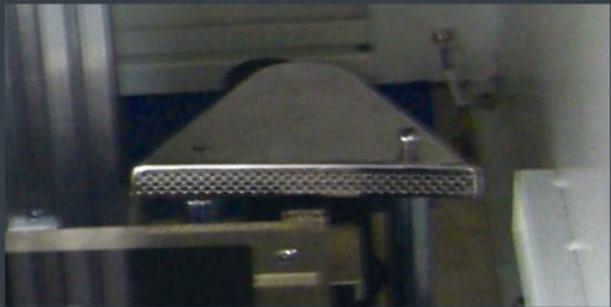Jedec tray

ALuminum plate

Change kit

Laser

Exhaust fan

LASER MARKING
CF-ML20

Semi-automatic Laser Engraving / Marking Machine

Adopts Diode Pumped 15W, Single Head Air Cooling and Scanning head with F theta lens f=254mm。

Engraving area

Loading/Unloading area

*Single in and out

Machine Power

The track transport system
Adopts the X-axis servo control, and it can set the multi-point positioning arbitrarily with input parameters by the system program.

Engravable product type
Aluminum plate, Resin coating plate, single tray with product. When plates size is different, kit can be adjusted and not need to be replaced.

The dust collection mechanism
Can be connected to the factory vacuum system or use high power vacuum equipment.

Windows 7 operating system and the original engraving software
Can input DWG, DXF, PLT, BMP and other vector image files.

The PC control system
Built-in Chinese and English operation interface.
It is easy and flexible to operate.

Barcode Reader (optional)
Imports data to network connection systems automatically.

Handler

Items	Specification Descriptions
Machine Dimension	1200(W) X 800(D) x 1650(H) mm
Machine Weight	250 kg
Accuracy	±0.02 mm
Tray Type	Jedec tray
Plate Type	Aluminum plate
Plate Size	4x10 / 2x12 / 4x12 inch
Facility Consumption	200~240V; 1φ3W; 50/60Hz; 20A

Laser

Items	Specification Descriptions
Type	Diode Pumped 15W / Fiber 20W
CW Out Power	15/20 W
Wavelength	1064 mm
Beam Quality	$m^2 < 1.3$
Stability	< 2 %
Modulation	20~80 KHz
Pulse Width	8~40 ns
Peak Power	25~200 KW/10KHz
Marking Speed	600~1000 letter/second
Min Line	0.06 mm
Position Resolution	< 10 urad
Marking Field	50~500 mm
Power Supply	220V; 50-60Hz
Heat Exchange	Air cool
Engraver Software	SAMLight