



GEM

Automatic Micro SD Card Laser Cutting Equipment

GEMQG-F350D



GEM LASER LIMITED

A Legend Laser machine Manufacture & Solutions

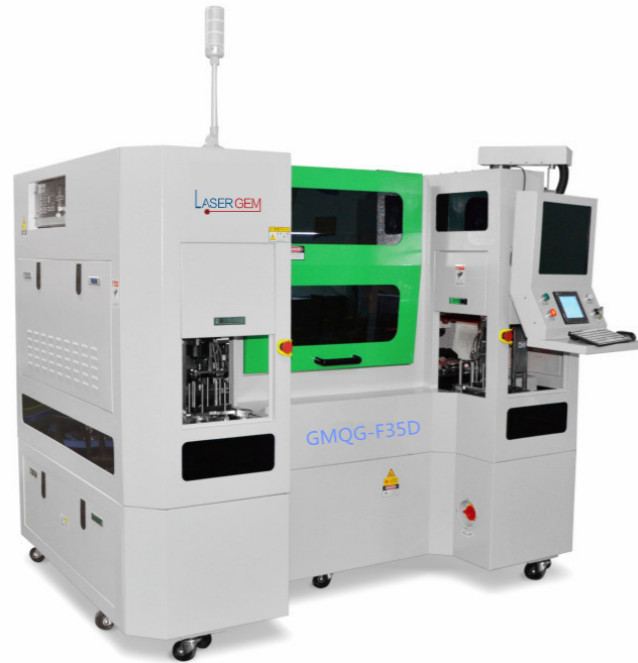
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OVERVIEW

Laser has applications in teaching, military and industry. The laser cutting machine is one of its applications. Laser cutting machines are used in both metal and nonmetal cutting. The use of laser beams to melt the surface of materials
 This type of equipment could be applied to Micro SD card fingerprint module PCB, QFN, BGA and other microelectronic industries.

FEATURES

1. Beautiful appearance, stable performance, low Marble system power consumption.
2. Compact structure, easy operation, good HMI.
3. High precision processing platforms, accurate positioning, fast speed.
4. The equipment has galvanometer calibration system, so that it can automatically calibrate according to the settings.
5. High precision CCD, automatic positioning, automatic calibration.
6. high-performance lasers, high precision, long service life.
7. Good beam quality, can be adapted to different cutting needs.
8. Fast cutting speed, high efficiency.
9. Special jig platform and particle absorber.
10. Control software is simple and easy to understand. operator can quickly mastery the method.

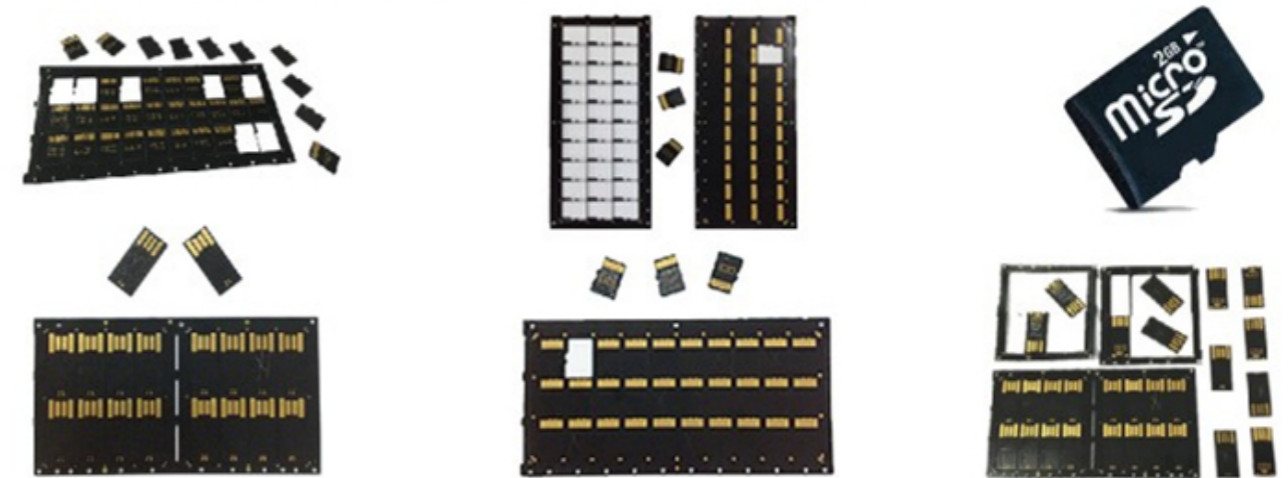
SPECIFICATIONS

Model	GEMQG-F350D Automatic Micro SD Card Laser Cutting Equipment
Laser	Green/532mm
Laser Output Power	≥35W According to the needs
Pulse repetition frequency	30-300KHz
Cutting amplitude	75mm x 200mm
Cutting Speed	Approximately 5000mm UPH(units per hour)
Cutting Accuracy	±0.03mm
Min Cutting Width	≤0.035mm
Repetition Accuracy	±0.002mm
Positioning speed	2 m/s
Ambient temperature	18°C-25°C
Ambient humidity	40%-70% relative humidity
Power requirements	According to the needs AC220V 50HZ, <30A
Power consumption	<6.5KW
Dimension	2000x1500x1750mm
Weight	3.5T

Device configuration list (Standard, Option)

Item	Subsystem	Component	Model	Quantity	Mark
1	Laser cutting head	High speed scanning galvanometer	Light Φ10mm	1pcs	China
		Galvanometer drive card		1pcs	
		Scanning field mirror	f=160mm	1pcs	China/Import
		Beam expander	10X	1pcs	China/Import
2	Laser	Green Laser	pulse-532-005	1set	China
3	Laser marking machine cabinet	Cabinet		1set	GEM
4	Computer&software	Computer	Desktop	1set	Lenovo
		Software	Software	1set	GEM
6	Workbench	Precision workstation		1set	GEM
7	Seat				

Laser Cutting Samples



Applications

Applicable : applied to Micro SD card fingerprint module PCB, QFN, BGA and other microelectronic industries.