



GEM

CO2 laser engraving&cutting machine

GEM-9060



GEM LASER LIMITED

A Legend Laser machine Manufacture & Solutions

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GEM LASER CO.,LIMITED



OVERVIEW

Widely used in adhesive, flexible circuit board, insulation materials, special adhesive tape, optical materials, membrane switch, protective film, shielding material, Mylar, 3M, PVC, PET rubber, PP, conductive tape, foam, dust-proof net, mobile phone accessories and other electronic materials precision die cutting processing. Different from the previous cutting die, laser cutting machine, it is cut with a knife, can also be used to draw, indentation, cutting, positioning, cutting function, vacuum adsorption material cutting machine. The utility model has the advantages of high cutting precision, low production cost and fast delivery speed. For the electronic material industry to provide a large-scale, small batch, no knife mold, fast die cutting and proofing of professional cutting solutions.

APPLICATIONS

All kinds of touch screen, conductive film, backlight, diffusion film, all kinds of electronic insulating materials, SMT, PET, PC, cover PP, ABS, wood, paper, rubber, leather, fabric, acrylic resin, fiber and composite materials and other non-metallic materials. Touch screen display, electronic paper, 3M paper, film materials, earplugs dust diffusion consumer electronics industry cutting; leather, cloth, leather buttons, trademarks and other apparel industry cutting and carving; toys puzzles, handicrafts, frames, medals and other craft gift industry cutting engraving; billboard, model making, printing die cutter making.

Product Advantage

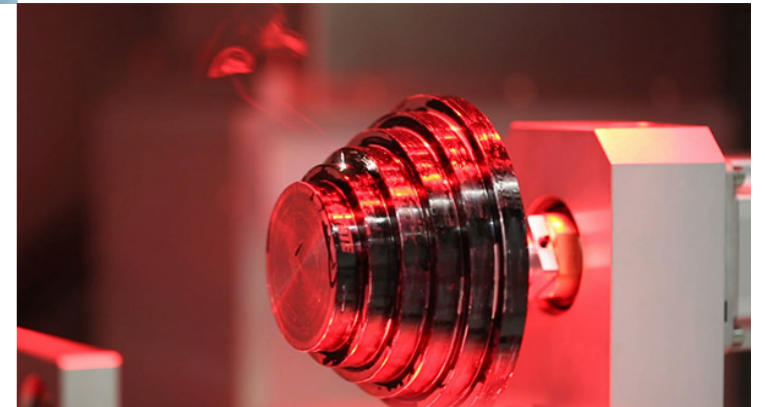


High Speed

Perfect combination of software, hardware and light-speed galvanometer scanner realize high speed marking.

Lower Energy Consumption

Significant operation cost reduction due to about 50% photoelectric conversion efficiency.



High Reliability

Rapid cache transmission control, choice optical and electronic elements to ensure continuous work in long time and capacity.



No Consumables

Improved lifetime of laser module, maintenance free and no consumables ensure low maintenance and operation cost.



FEATURES

* a 32 bit high speed DSP the most advanced Smart carver controller, which greatly improves the performance of S type with smooth speed control software, fast action smoothly, with automatic attenuation compensation technology to make different cutting parts to the ideal effect.

* optical coupling isolation system with high speed input and output circuit, long distance transmission signal without distortion, strong anti-interference ability, the system realizes the 12 line output, 16 line input can be easily docking with the production site users.

* 32 bit DS chip core controller uses USB2.0 high-speed interface for data communication, data transmission is efficient and safe.

* CMB series equipment after the safety closed loop movement system, the machining accuracy has been greatly improved, which can meet the requirements of high precision standard users.

LASER ENGRAVED SAMPLES



SPECIFICATIONS

| Model number [GEM-9060] | describe |
|---------------------------|---|
| Laser type | Domestic sealed off CO2 laser tube |
| laser power | 60W/80W |
| Engraving speed | 0-60000mm/min |
| Cutting speed | 0-45000mm/min |
| Machining depth | Power 80W = 15 (acrylic case) |
| positioning accuracy | Less than 0.01mm |
| Maximum scanning accuracy | 2500DPI |
| Minimum line text | Chinese characters: 2 * 2mm, English: 1 * 1mm |
| Laser energy control | The lifting platform and the push and pull type knife platform work independently, and the lower suction honeycomb platform can be matched with three types |
| Support graphics formats | AI, DXF, PLT, BMP, DST |
| Power supply mode | AC220V, 50HZ |
| Carving table | Honeycomb or knife platform |
| Color separation output | Support |
| work environment | Temperature: 0-45 DEG C, humidity: 5-95 DEG C |
| Outline size | 1450 x 1135 * 1050 |
| Power | Single head: 900W double : less than 1250W |