



OVERVIEW

Large scale camera laser cutting machine with high precision of SLR camera for help, professional occupation dress, suit, dress, garment printing, sportswear, clothing, a class of lattice of thin summer custom and small batch garment industry. Suitable for wedding dresses, lace, home textiles, curtains and other embroidery products, border cutting and hollow carving. Suitable for toys, printing uppers, inflatable models, advertising, photo, etc.

With the self-developed laser cutting machine to maximize the cutting of cardboard and fabric, so as to effectively reduce the repetitive movement of workers, improve work efficiency. Provide customers with the best solution.

FEATURES

1. Highly integrated software: General cutting function and visual cutting function are integrated together;
2. The high-quality camera support large-format photographing, photos will be shown in the display area, and can be saved;
3. The software help to ensure the photographing quality by optimizing the focal length according to the material thickness;
4. Automatic contour extraction function, files will be send to controller synchronously to achieve fast & precise positioning and processing;
5. Support customized graphics and contour processing to extract template features and generate templates, then match the template features and full-page material to fast & precise positioning and processing;
6. Support camera calibration offset correction, to amend the overall offset of positioning and processing;

7. Real-time tracking and display: the machining track, Coordinate points, system prompt information and Processing progress.

SPECIFICATIONS

| Model | GEM1610/GEM1810 |
|---------------------|---|
| Work Area | 1600mm*1000mm/1800mm*1000mm |
| Laser Type | CO2 Laser generator |
| Laser Power | 80W/100W |
| Speed | 0~30m/min |
| Reposition accuracy | +/-0.05mm |
| Graphic Format | AI, DXF ,BMP, PLT,DST,DSG,etc. |
| Power supply | Single phase AC220V±10%,50/60 Hz |
| Machine weight | 850Kg/930Kg |
| Machine dimension | 2260mm*2140mm*1950mm 2500mm*2140mm*1950mm |
| Work environment | Humidity 5~80% (no~condensation) Tempt: 5-40°C |

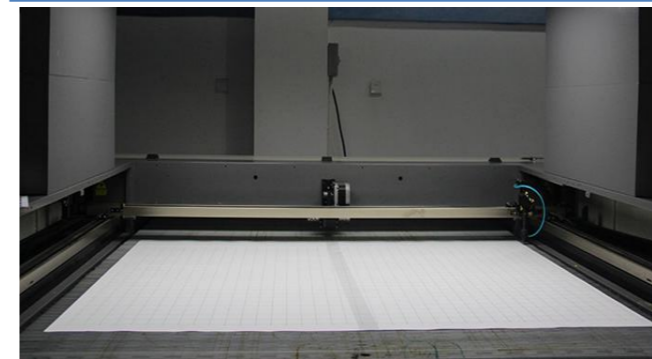


Image recognition of the whole format



Electrical components of international famous brands

Device configuration list (Standard, Option)

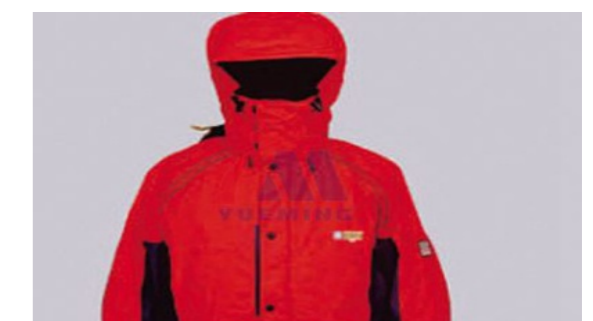
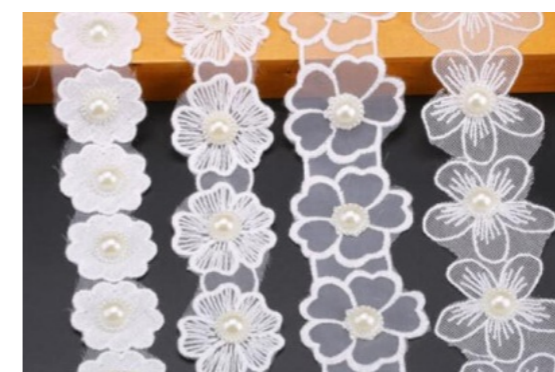


Epsilon-shape conveyor, easy clean



Professional camera positioning softwares, Correct the deformation

Laser Marked Samples



| Item | Subsystem | Component | Model | Quantity | Mark |
|------|-------------------------------|----------------------------------|---------------|----------|--------------|
| 1 | Laser marking 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 | | | | |

Applications

Applicable materials: leather, cloth, various printing materials.

Applicable industries: wedding dresses, lace embroidery, digital printing, toys, home textiles, models, advertising, clothing, outdoor products, shoes, leather and other industries