

Auto feeding laser cutting machine with CCD camera **for textile printing industry**

Product Overview:

High speed automatic textile laser cutting machine, using high-definition digital SLR to one time realization the high precision imaging, which is including the large-format and multi-pattern, and avoid the error of splicing the image and the decline in image quality. The characteristics of more design are flexible point positioning, mutual recognition of disposable cutting multiple pattern, automatic find the border to correct the flexible and variability image, perfect solve the problem caused by material deformation and stretching. This machine adopting high speed, high precision stepper motor, automatic feed, automatically capture the border and cutting speed is 2.5 times than of the traditional, which is the best choice of modern high-speed fully automatic large enterprise.





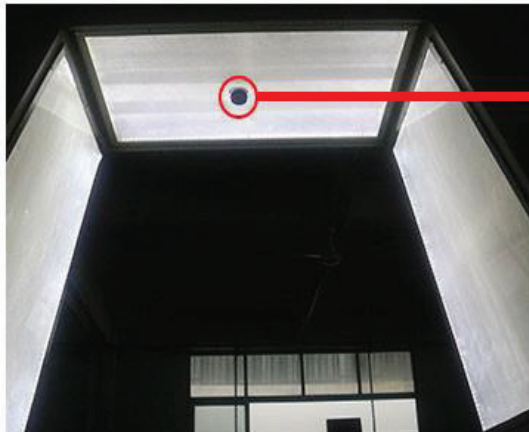
Revolutionary innovation

- 1 Using Vision Positioning System, exactly to find the border and cutting
- 2 Using high-definition digital SLR to one time realization the high precision imaging
- 3 Automatically feeding the material
- 4 Automatically correct and find the border again when the prints was deformed
- 5 Using high-speed stepper motor

Technical Parameters

Model:	HM-K fabric/leather laser cutting machine
Working area:	1800 x 1500 mm
Camera pixels:	18 million
Minimum shaping character:	chinese Character 2mm / Letter 1mm
Operating Temperature:	5 – 45°C
Gross power:	<3000W
Weight:	900KG
Laser power:	80W/100W/120W
Cutting speed:	60m/min
Resolution ratio:	0.025mm
Repositioning accuracy:	+10%
Operating Humidity:	5%-80%
Dimension:	2360x2380*3100mm/2000*2380*2500mm
Graphic format supported:	DXF, DWD, JPEG, PCX, AI, TIFF, PLT, CDR, BMP

1. Applying Canon HD SLR camera, the machine can cut the fabric or leather along its edge, which solves the problem cause by fabric and leather deformation and stretching, thus ensuring the precision of machine cutting.



2. High quality rail imported from Korea make the machine run fast and stably.



3. Resilient belt imported from Korea, within which there are 15 strips of steel wires, is hard to be out of shape.



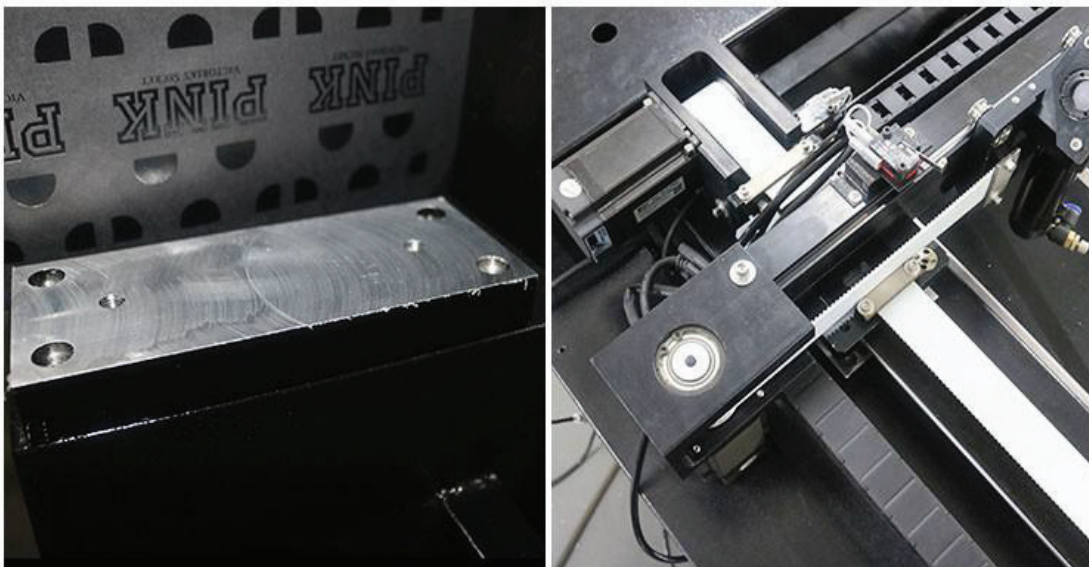
4. Light laser head moves flexibly and fast

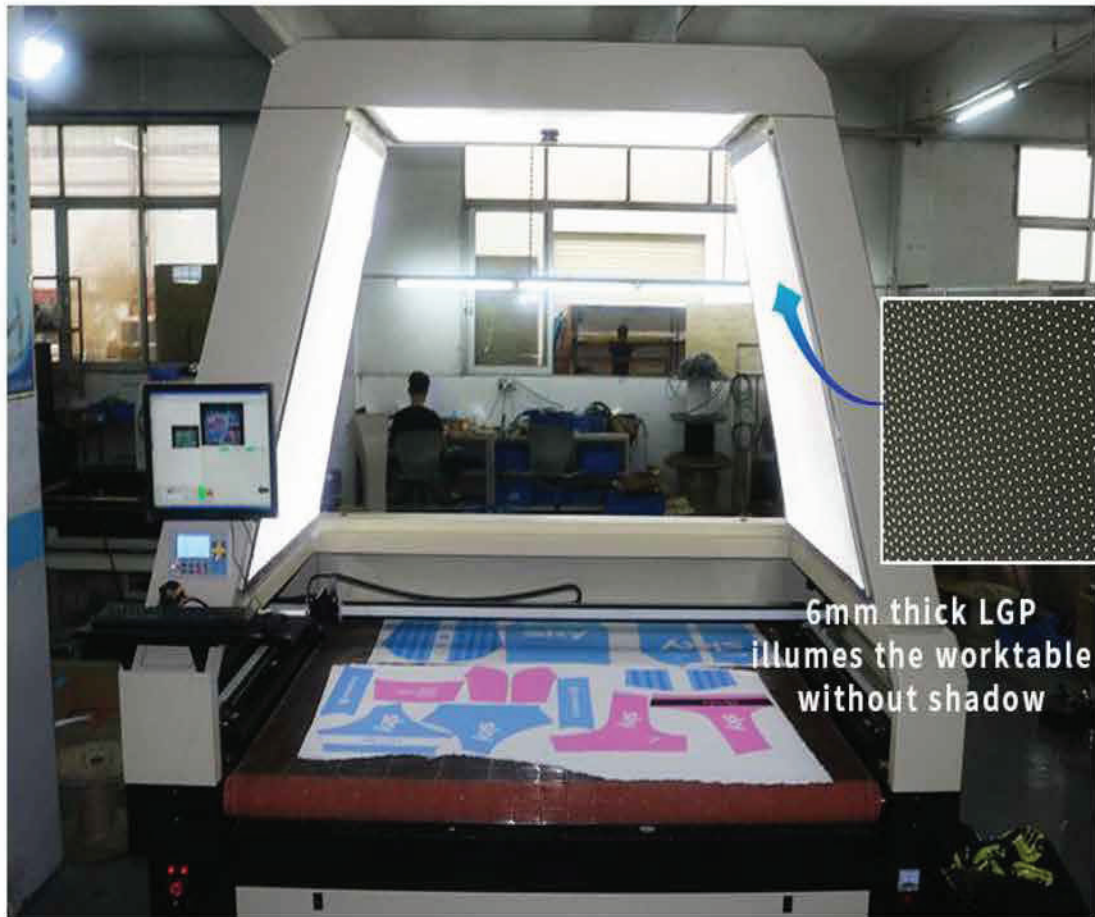


5. The device of automatically feeding rolling materials



6. Servo motor makes the machine run stably, precisely and fast.





7. The camera on the top of machine captures all patterns on the worktable one time, then with the help of applicable software, the patterns photo will be input into the computer and after DSP processing it, the machine will locate the pattern edge, thus the laser head will cut materials along the edge of patterns.

