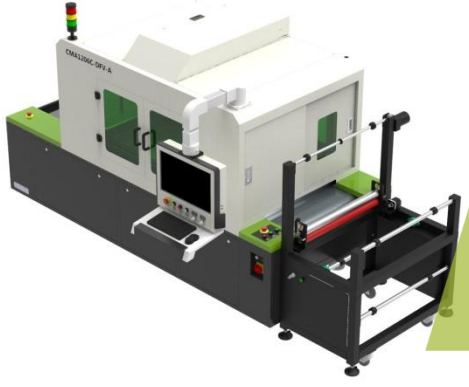
大族粤铭激光
YUEMING HAN'S YUEMING LASER



CMA1206C-DFV-A

Laser Cutter for Lace

专注激光设备制造18年，畅销全球100多个国家

FOCUS ON LASER EQUIPMENT MANUFACTURING FOR 18 YEARS, SERVE GLOBAL CUSTOMERS IN MORE THAN 100 COUNTRIES

版本：20210417

Company profile

GD Han's Yueming Laser Group Co., Ltd, a subsidiary of Shenzhen Han's Laser Technology Co., Ltd. (Stock Code: 002008)

Employee Number

600+

Floor space

110,000 Sqm



Subsidiaries

- Jiangsu Han's Yueming Laser Technology Co., Ltd
- Suzhou Songu Intelligent Laser Equipment Co., Ltd
- Shanghai Holi Laser Technology Co., Ltd
- GD Han's Yueming Intelligent Equipment Co., Ltd
- GD Han's Yueming Precision Equipment Co., Ltd

ABOUT US

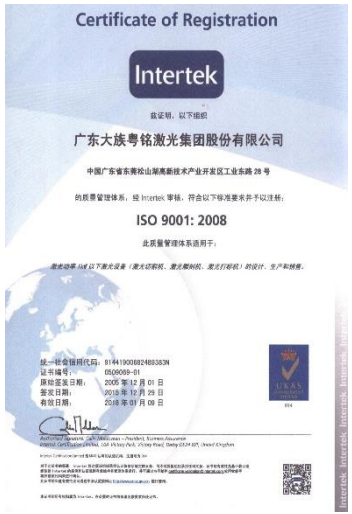
GD HAN'S YUEMING LASER GROUP CO., LTD , a subsidiary of Shenzhen Han's Laser Technology Co., Ltd(stock code:002008), is a hi-tech enterprise which manufactures laser machines and focuses on Research & Development plus selling of industrial laser products. Located in Songshan Lake Hi-tech Industrial Development Zone, Han's Yueming Laser has developed steadily and benefits by the diverse IT and Hi-tech human resource in Guangzhou, Shenzhen, Hong Kong. Yueming has established modern factories in Dongguan, Shanghai Suzhou and Xuzhou with over 100 automated and high precision processing equipment, total floor area of 110,000 square meters and with more than 500 well trained workers, including 6 young optics experts, 33 researchers with master degree and 86 engineers with bachelor's degree.

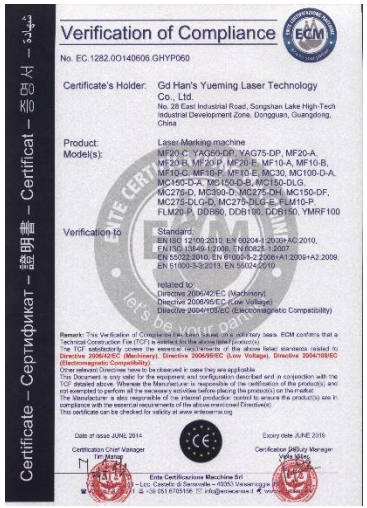
Han's Yueming Laser sticks to its motto of 'win the market with advanced technology, reward customers with best service'. We believe in the enterprise spirit "Cooperation, Win-win, appreciation and sharing", and continuously attract top talents with sophisticated laser technique to join us. Han's Yueming Laser is the leading laser machine manufacturer in China, it has launched 10 series products and has reached 10,000 sets annual production capacity. With the integration of advanced laser technology, perfect quality management system and convenient after-sales service network in mainland China and global market, Han's Yueming Laser enjoy the strengths of strong international competitiveness, it is your trustworthy partner for long term cooperation

R&D Results

156Patents
18 Product Models
Strong Technical Strengths

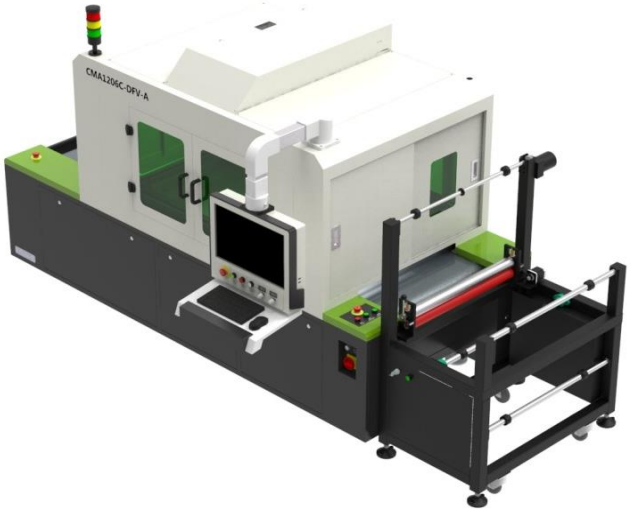
Certificates & Honors





FDA CE

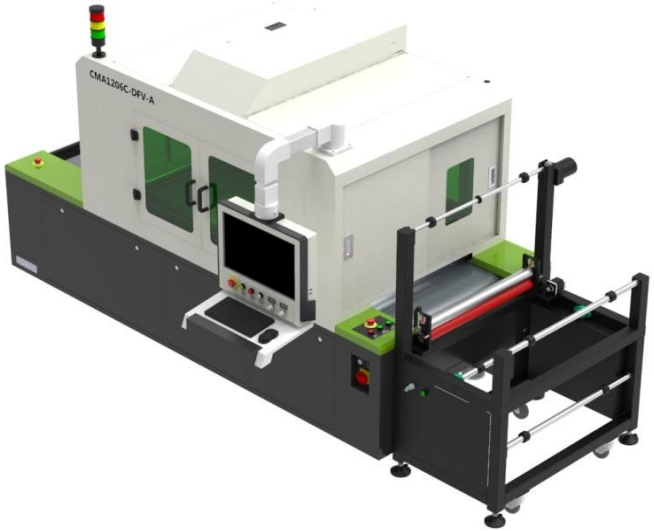
PRODUCT MODEL



CMA | 1206 | C | D | F | V | A

- A — Version code: A
- V — Function code: Vision
- F — Function code: auto-feeding
- D — Function code: Asyn-dual heads
- C — Structure code: Steel frame structure
- 1206 — Working area code: 1200*600mm
- CMA — Model code: CMA

ABOUT THE PRODUCT



About the Product

CMA1206C-DFV-A is designed as the professional laser cutting solution for garment industry.

●It adopts steel frame+metal plate structure, and YM self-developed asyn-dual-axises processing system, which ensures it meet the request of lace cutting on performance and efficiency

●It consists of machine body, feeding device, and accessory etc.

●Software—YM’ s independent intellectual property

FEATURES

CMA1206C-DFV-A Laser Cutting Machine:

- High efficient asyn-dual-axises processing system, max speed up to 500mm/s
- Imported core parts, high stability;
- Professional control software for software material cutting, beside common nesting, it also supports 'mismatch' nesting, 'sorting' nesting, 'multilayer' nesting and 'left&right side' nesting';
- Both top+small camera visual system;
- Separated processing and collecting area, non-stop work, more safe;
- Integrated electrical circuit, less wire arrangement for the accessories;

ADVANTAGE

Traditional lace cutting work flow---various processes & rely on skillful worker;

spread the fabric

arrange multiple layers with needles

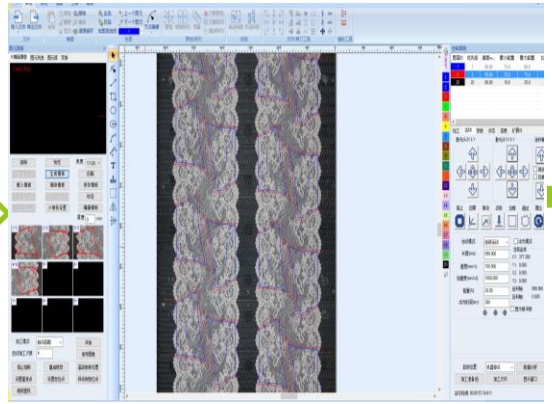
machine cut

manual cutting

ADVANTAGE

Laser lace cutting work flow---simple, easy to control by software

two automatic feeding lines



template+visual system recognition

processing

ADVANTAGE

Advantages of laser cutting lace

High efficiency

Laser cutting, its efficiency is equal to the output of that of 2-3 operators per day, Small piece, 20000pcs/day; Large piece, 10000pcs/day

No raw edge

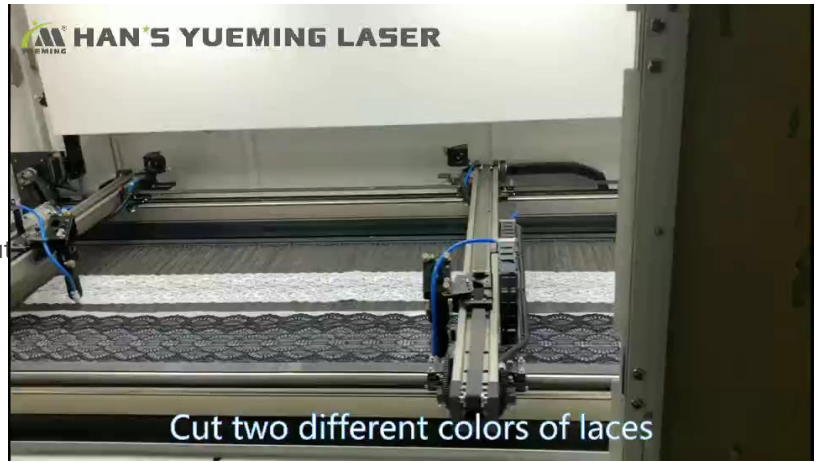
Laser cutting is thermal cutting—cutting edge is sealed automatically, without any raw edge or thread residue

Less labor cost

Simplify the work flow, no need the operator spread the material in advance; asynchronous double heads get two different material rolls to be cut at the same time;

High precision

Machine adopts high-precision camera, getting cutting precision within ±1.5mm, high stability and consistency;

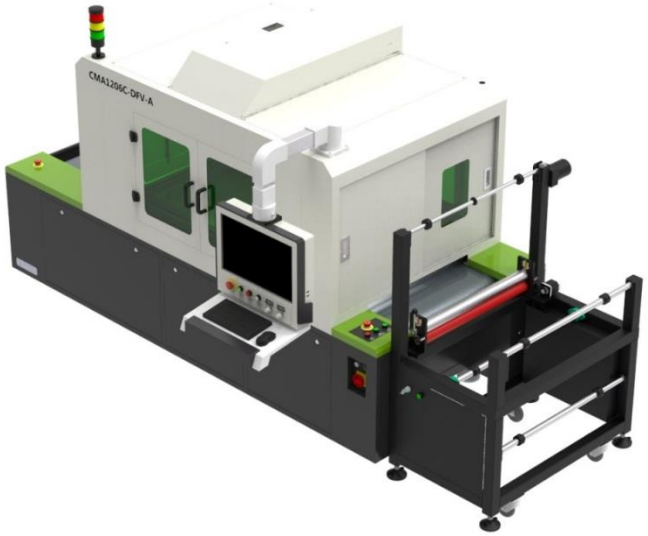


ADVANTAGE

Comparison between laser and manual cutting lace

Item	Laser Cutting	Manual Cutting
Method	Non-contact mode	Touch mode
Work flow	feed the material, visual cutting, collect the material	overlap the material, sew, knife cutting, separate the finished material
Number of operator	1-2	4-5
Precision	high（±1.5mm）	medium（not stable）
Daily output	100%	60%
Limitation	No(lace with features)	material cannot be too soft, ductile or with raw edge

WORKING PARAMETER



Parameter	CMA1206C-DFV-A
working area	1200*600mm
Laser power	100W/60W
Max moving speed	30m/min
Reposition accuracy	±0.2mm
File format	PLT,DXF,AI, etc
Working environment	temp：5℃-40℃；humidity：5%-80% (non-condensation)
General power	< 8KW
Power supply	220V/50HZ
GW（machine body）	Around 700KG
Overall dimension	2800*2080*1910mm

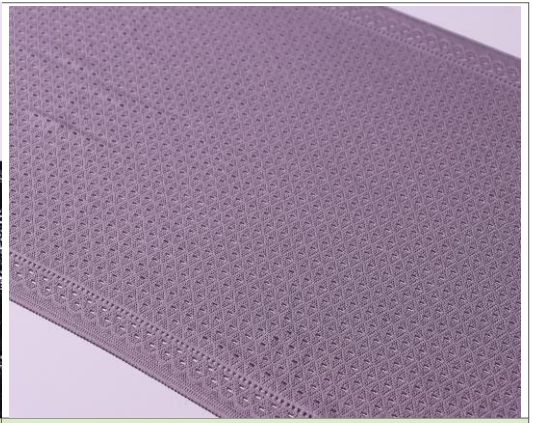
CONFIGURATION

No.	Name	Description	Note
1	Laser source	100W glass tube/60W RF tube	
2	Focus lens	Φ20 mm, f=63.5mm	II-VI
3	Mirror	Φ25mm*3mm	
4	Worktable	Chain+ “人” type conveyor	
5	Filter	GC30010-CA179C	
6	Synchronous blowing system	‘blowing’ when cutting	
7	Top+small camera	CANON + industrial camera	
8	Alarm lamp	red，yellow，green	
9	Mainboard	9#	
10	Software	SmartCarve	
11	Chiller	CW-5202/1500W	
12	Blower	220V/1100W	Optional
13	Feeding device	double feeding belt	

APPLICATION

Material

Lace or other nonmetal soft materials

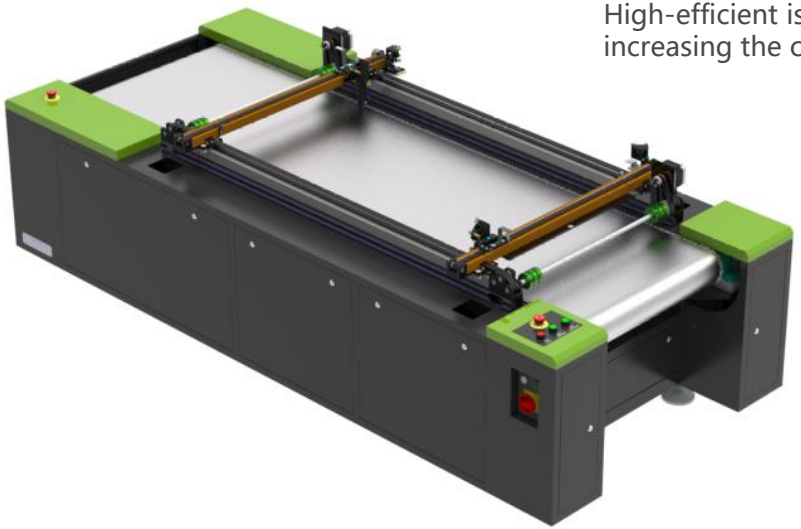
		
textile with single lacework	textile with double lacework	textile without lacework

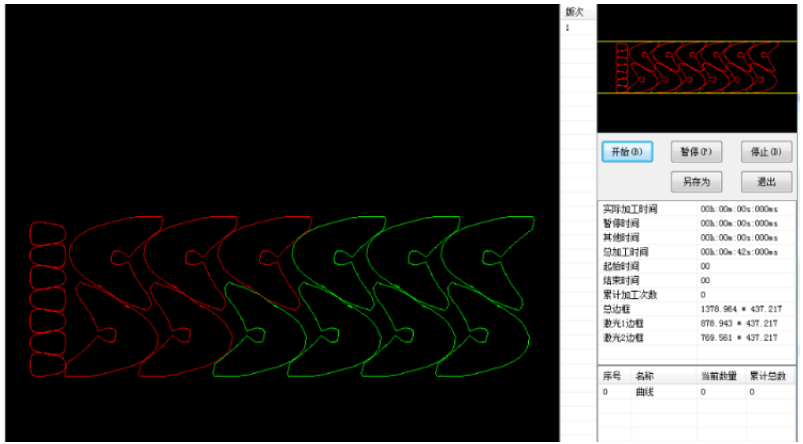
FUNCTION

Asynchronous double heads cutting system

This system consists of two groups of isolated transmission system, working independently, without any interference, which ensures the machine can cut mix-nested work piece in various size and irregular shape.
Shown as below, the right up corner is the best nesting result to save the material, and the software assign it to the two isolated transmission systems to cut. The left part of the material is not large enough for more standard work piece, so the software use other shape to fill that space, increasing the use ratio of the material as much as possible, and save the nesting time.

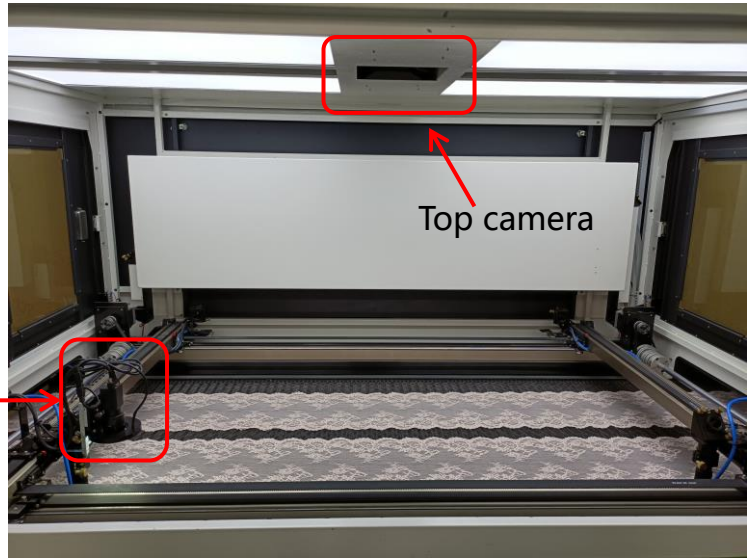
High-efficient isolated motion system—double heads cut at the same time, increasing the cutting efficiency twice.





FUNCTION

High-precision top+small camera visual cutting system



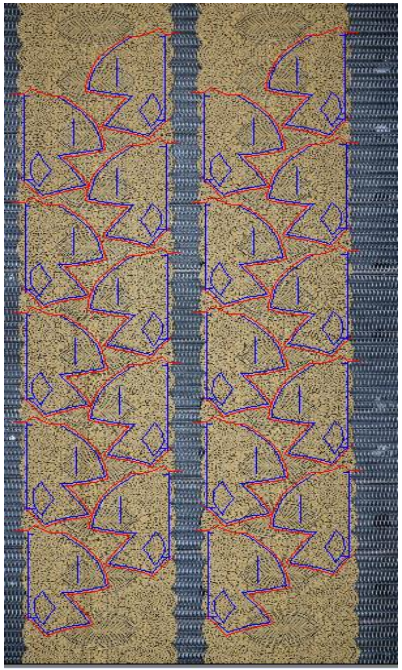
- Top camera: for panorama shooting, making template, and contour cutting etc

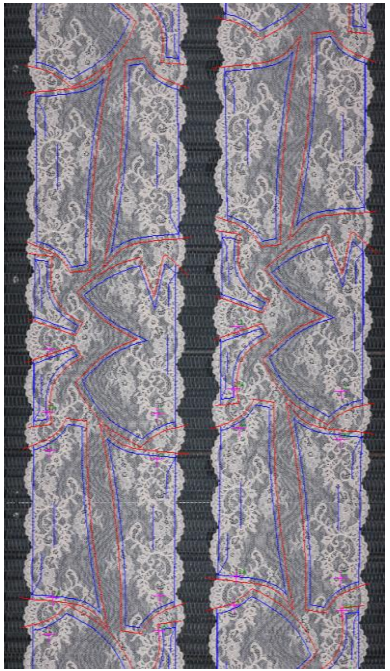
  ----Obvious features: scan all patterns among the working area once, and get the contour or features, match them and cut fastly;

- Small camera: for searching lower wave point, wave or pattern of the material to locate the work piece to get better cutting precision when doing lower-wave-point search, 'pair' cutting, and 'edge' cutting.

FUNCTION

Professional lace cutting---lower wave point match, 'flat lower wave' cutting, 'pair' cutting, mix-nesting cutting

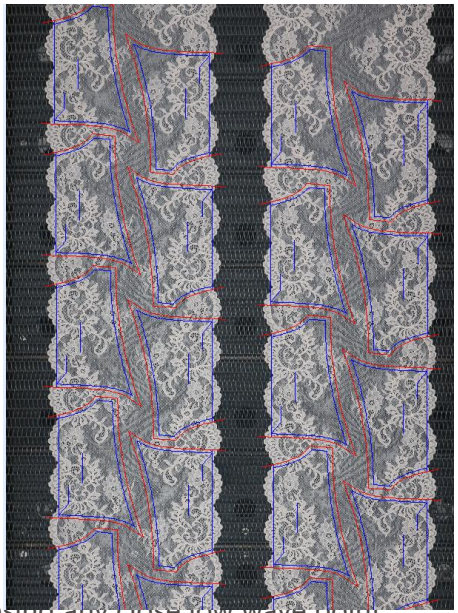


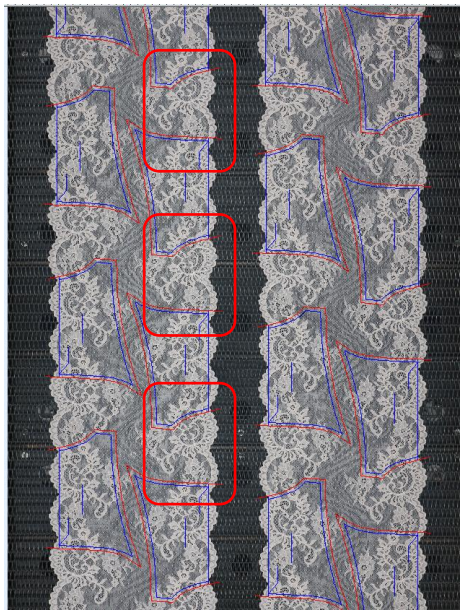


- Cutting two rolls of material at the same time: apply to any specific lowest wave point, lower wave point, low wave point, flat wave point, flat high point cutting or 'edge' cutting and 'pair' cutting;
- Shown as up left pic, the 'pair' cutting on low wave point, flat wave point; Cutting double rolls at the same time, increases pairing and working efficiency;
- Shown as up right pic, mix-nesting cutting, with high use ratio of the material.

FUNCTION

Professional lace cutting ---any-wave cutting

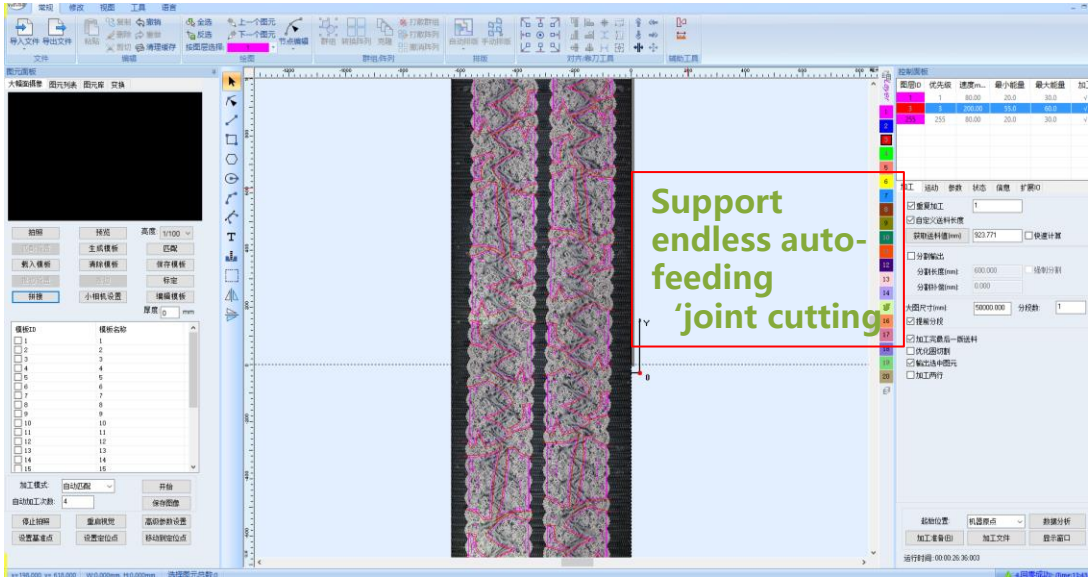




- Be capable to locate and cut by choosing any close low wave point;
- Shown as up left pic, when use ‘any-wave cutting’ function, the software will nest the material by the following rules: only match the specific lower wave, but not match the pattern;
- Shown as up right pic, if not use ‘any-wave cutting ’ function, the software will only nest the material by locating the same pattern– each time one ‘wave’ will be wasted.
- All in all, ‘any-wave cutting’ can help to save the material.

FUNCTION

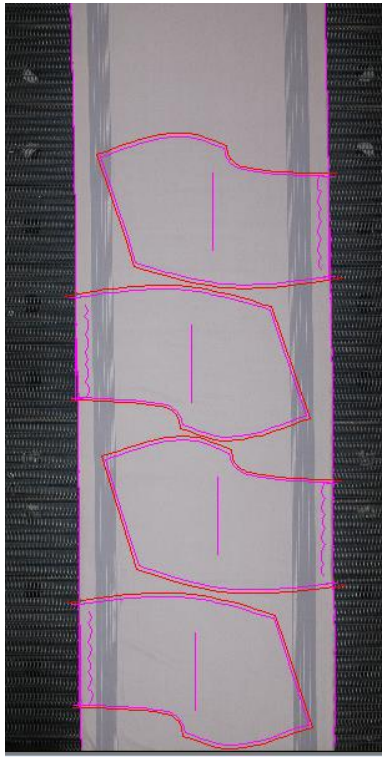
Professional lace cutting ---joint cutting



- This function is useful when the size of the whole pattern design is out of the working area---joint cutting function;
- Shown as up right pic, when the whole pattern design is longer than 1.2m working size, the software will join the pattern and nest. After finishing making the template, the machine will find the MARK POINT, cut and do it cyclically.
- Joint cutting is for endless material, compatible to wide applications.

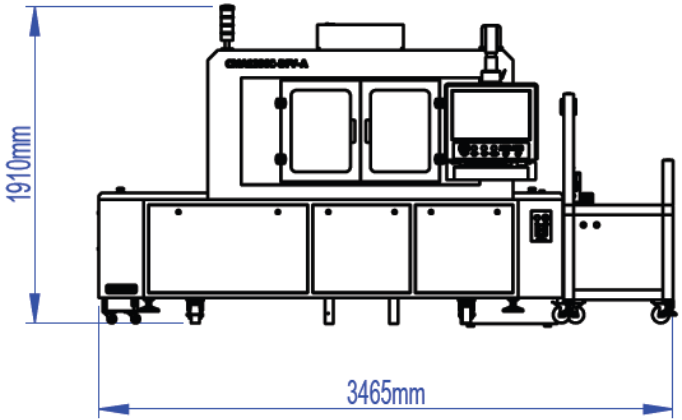
FUNCTION

Professional lace cutting---overlock cloth, seamless cloth cutting

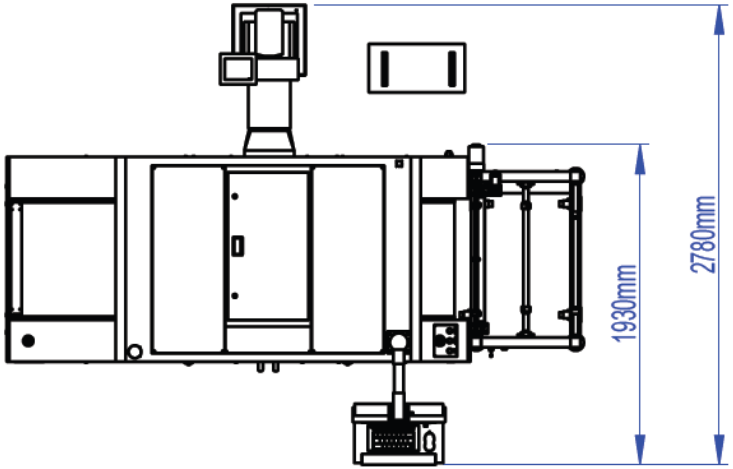


- Apply to cut overlock cloth and seamless cloth;
- Shown as up pic, the machine locates the side boundary of such material by top camera visual system, the software nests, and cuts automatically.

LAYOUT



Front view



Top view

KEY TECHNOLOGY

- Top+small camera visual system
- Asynchronous double heads cutting system
- Professional lace cutting software
- Specific nesting system

High-precision & intelligent CCD locates the mark point/features automatically

Professional algorithm

Han’ s YM self-developed lace cutting software, easy to master

Professional nesting software, save the material as much as possible

SAMPLE

产品服务
PRODUCT SERVICE

技术支持

广东大族粤铭对客户的技术支持是全方位的，包括售前、售中和售后的系列技术支持和服务，不同的服务由广东大族粤铭不同的部门来负责，技术支持包括但不是仅限于设备操作应用培训、设备的日常维修维护培训和备品、备件的持续供应。

系统培训

由于激光设备属于集光、机、电、气及制冷于一体的技术密集型产品，要求操作人员具有一定的技术基础，为了使贵公司操作人员能够熟练掌握该设备的操作技巧，设备的操作培训工作，须待设备运抵需方现场后，在客户最终使用现场结合设备安装、联机调试同时进行，主要是对贵方操作人员进行机床的操作编程、设备的维护保养和相关切割工艺的培训，培训时间为3~7个工作日，使贵司的设备操作人员基本达到熟练操作及编程的目的。

序号	项　目	内　容	备注
1	时　间	与在买方现场安装调试同步进行	
2	地　点	在买方设备安装现场	
3	培训人员	机械维修技术人员	1人
4		电气及数控维修技术人员	1人
5		设备操作者	2人
6	培训人员	维修钳工	2人
7		维修电工	2人
8	培训内容	参与安装调试全过程、其余内容同预验收	

产品服务
PRODUCT SERVICE

质量保证及售后服务

自设备运抵需方使用现场，安装调试完毕并经需方验收合格后，十二个月为设备保修期。

大族粤铭十分重视产品的售后服务工作，产品一经出厂交付用户使用后，公司就立即建立了用户售后服务档案，并定期跟踪用户的产品使用状况，解决和解答用户的所有问题，接到用户关于设备发生故障的通知信息，公司客服团队在2小时内即可作出快速反应，如果电话指导难以排除故障，我公司的技术人员可以在24小时内赶到客户现场提供支持。

安装调试

在设备安装前，我们会提供一份设备安装地基础结构简图、设备安装平面示意图须提前提交给客户，在按预定日期，设备运抵需方前约两周，大族粤铭的工程师将到达用户现场，实地考察需方提供的各种条件是否满足设备的安装调试要求，在确认所有现场要求都得到满足后（按照现场条件），设备将按时运达需方。设备的安装调试时间约五个工作日，前三天进行最后连接使用系统工作，系统可操作后，服务工程师将在后二天培训符合要求的操作工有关基本维护程序和设备总体操作特性。

服务支持

如果设备保修期内系统的任何零部件出现问题，大族粤铭受过良好训练的服务工程师可随时提供电话咨询或到达现场服务，大族粤铭可能会根据实际情况要求配套供应商对他们提供的零部件向贵司提供支持，可是在对所有与质量保证期有关的支持服务，用户都可直接与大族粤铭联系，由大族粤铭全权负责。

THANK YOU!

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