

SENFENG LEIANG
LASER

High Performance Servo Motor

Automatic Mask Making Machine

FLK120

1.Introduction

This machine is mainly used for automatic forming of flat masks. After the entire roll of fabric is unrolled, it is driven by rollers, and the fabric is automatically folded and wrapped. Nose bridge rolls unrolled by traction. Cut and import into the hemmed fabric, both sides are welded to seal by ultrasonic welding, and then through the ultrasonic side seal. It is cut and shaped by a cutter; transported to the two mask ear band welding stations through an assembly line. The final mask is formed by ultrasonic welding. After the mask is made, it is transported to flat belt line and collected.



2. Technical Parameters

Model	FLK120
Size	5000mm(L)×3500mm(W)×1800mm(H)
Mask specification	175*95mm
Production efficiency	100-120PCS/min
Qualification rate	98-99%
Failure rate	2%
Power consumption	About 8.5kw
Working power	220VAC ± 5%, 50z/60Hz
Operating environment	temperature 10 ~ 35 °C, humidity 5-35% HR, no flammable and corrosive gas, no dust (cleanness not less than 100,000).
FOBQINGDAO Price	63000€

Features

- 1. Fully automatic,high performance and save labor cost;**
- 2. Servo motor controls the ear band machine ,fast and stable,low failure rate;**
- 3. PLC control board,easy operation**

3. Equipment Components

NO.	Part name	Quantity	Remarks
1	Water filter cloth / filter cotton / water absorption layer unwinding	3 sets	Up to 4 sets, random 3 sets
2	Nose bridge strip unwinding mechanism	1 set	
3	Nose bridge straightening mechanism	1 set	Width 3-7mm
4	Nose bridge strip driving and cutting mechanism	1 set	Width 3-7mm
5	Fabric hemming mechanism	1 set	
6	Roll welding edge sealing mechanism	1 set	Both sides
7	Cloth driving mechanism	1 set	
8	Cloth fan folding mechanism	1 set	
9	Side Seam Roll welding mechanism	1 set	
10	Roll-sealing mechanism	1 set	
11	Shunting mechanism (slicing machine)	1 set	Suitable for fully automatic face mask machine
12	Ear band welding machine mechanism	1 set	laminated

13	Blanking line (laminated line)	2	Suitable for fully automatic face mask machine
14	Operation Panel	1 set	

4. Suitable material specifications

Item	Number of hanging shafts	Width (mm)	Coil outer diameter (mm)	Inner diameter of barrel (mm)	Weight
Non-woven Melt-blow cloth	3	170~200	Φ600	Φ76.2	Max 15kg
Bridge of nose Steel wire covered plastic / pure steel wire / full plastic	1	3-7	Φ400	Φ76.2	Max 25kg
Ear belt	2 bags	160*3	-	-	10N



5. General equipment configuration

No.	Item	Brand
1	Cylinder	Airtac,Chelic/Taiwan
2	Electromagnetic valve	Airtac,Chelic
3	Servo motor	Topstar/China, Yaskawa/Japan,Delta/Taiwan
4	PLC	Omron/Japan,Mitsubishi/Japan, Delta/Taiwan
5	Bearing	NSK/Japan,Samick/Korea
6	Rail line	THK、PMI、CPC/Taiwan
7	Optical fiber, magnifying glass	Omron,KEYENCE,Panasonic/Japan
8	Touch screen	Weinview/TONGTAI
9	Relay	Omron/Idec
10	Button	HBAN

6. Introduction of SENFENG LEIMING LASER

6.1. Introduction



SENFENG LEIMING LASER is specialized in high-power laser cutting, welding, robotic automation production line, and has become the main brand in the field of high-power laser processing equipment manufacturing in China.

LP Workshop





120000+ square meters

Branch



USA branch is located in Los Angeles, expanding SENFENG LEIMING 's business in American market. We supply local service for all customers.

Germany branch is located in Paderborn, which is our R&D center in Germany.



India branch in Hyderabad Supply local service for North-Asia customers

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Let Laser be the Essential Processing Equipment

