Express
Hi TEC
TM

FULL-AUTOMATIC MASK MAKING MACHINE GC-1950/2
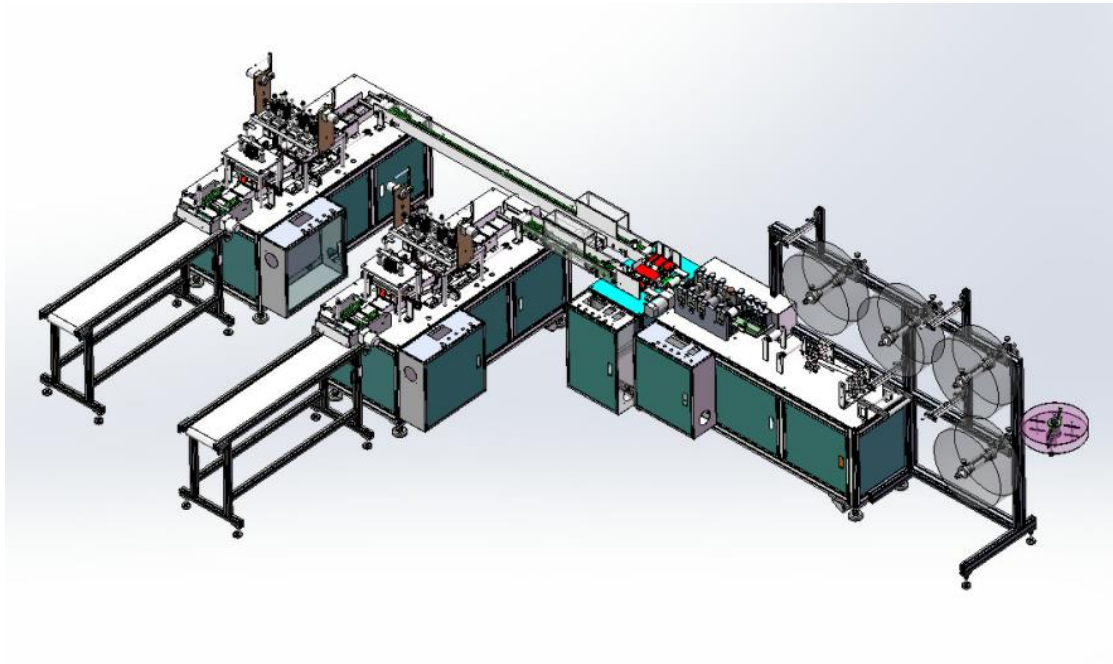
Sample photos：

Advantage

•   The whole machine adopts aluminum alloy structure, which is more beautiful and sturdy

•   High stability

•   Two output lines for high output

4.Fully automatic outer ear spot welding machine produces masks sheet and outer ear welding spot welding part at the same time, which can save labor. Once the non-woven fabric material is used up in the production process, the machine will automatically stop.

production line structure

A host (masks forming machine) plus two ear band welding machines (outer ear bands) are connected by a one-to-two transmission line. It can achieve the full-automatic production process from coil feeding, pressing and slitting, ear band feeding machine welding, and unloading.

Technical parameter

Machine model	GC-1950-2
Output	100-120 pieces/min
Voltage	220v,60hz, 3 phases
Machine dimension	6400*3200*1680mm ((L*W*H)
Mask size	17.5*9.5cm
Power	11KW
Weight	1700Kg

Three Tier raw material report:

Number	Melt-blown cloth	Non-woven	Non-woven	Nose bridge strip	Ear band
pictures					
scale	(Width)：17.5cm 克重(Gram weight)：20g	(Width)：17.5cm 克重(Gram weight)：20g	(Width)：19.5cm 克重(Gram weight)：25g	(Width)：3mm 厚度(Thickness)：1mm 长度(Length)：95mm	(Width)：2.5mm 长度(Length)：20cm

(Main machine configuration sheet)

1、 The one-to-two full-automatic flat masks production line adopts advanced design.

It only needs to place the raw materials on the feeding rack. After the modulation is completed, the machine can automatically produce. Only one person needed to operate the packaging, which fully realizes the entire automated production. The equipment adopts ultrasonic welding method, with beautiful appearance, sanitation and environmental protection

   The output is 75-100 per minutes, the length of the nose bridge strip is adjustable, and the product size error is fluctuating to 1 millimetre. According to the needs of replacing some molds, a variety of masks sheets can be achieved. This machine can produce non-woven masks, smooth cloth masks, gauze masks, activated carbon masks, double nose line masks, etc. Support 1-5 layers of non-woven masks sheet production.

• Host technical parameter

设备尺寸： Dimension	3345*630*1830mm

电压： Power	AC 220V,50-60HZ
生产效率： production efficiency	100～120 片/分 100-120　pieces/min
功率： Power	2.7KW

3.Configuration list of host machine (mask making part)

NO.	Name	Brand	Specification
1	touch screen	MCGS	
2	PLC	SIEMENS	
3	auxiliary relay	OMRON	
4	Circuit breaker /Contactor	CHINT	
5	Inveter	Schneider	
6	Two Button rotary switch	CHINT	
7	Inching button	CHINT	
8	Inching button	CHINT	
9	Inching button	CHINT	
10	Scram button	CHINT	
11	Frequency transformer	Customize	
12	Radiator fan	CHINA	

序列号 NO.	产品名称 NAME	产品图片 Photos	机器优势 Advantage
1	切割胶辊 &牵引辊 Cutter roller &traction roller		使用硅橡胶材料而不是丁腊材料。硅橡胶材料具有良好的耐磨性，不会开裂。 We use high quality rubber material,can use long time and can not damange easy.
2	触摸屏 +PLC Touch screen		西门子 PLC 系统。 Siemens brand PLC & GSGC brand touch screen.
3	鼻梁条送入装置 Ear briage input device		We use direct ear briage input device, ensure the ear briage smooth.
序列号 NO.	产品名称 NAME	产品图片 Photos	机器优势 Advantage

4	电控箱 Electric control box		我们使用的是正泰电器。 For switch we use CHINT BRAND, the best of china brand.
5	电机 Motor Increase bigger power		齿轮电机 GEAR MOTOR More bigger
6	风扇 FAN		我们将风扇安装在超声波喇叭附近，降低喇叭温度，延长超声波寿命。 We use Fan to cool the ultrasonic, make it can use long time.

7	超声波焊接系统 Ultrasonic system		在口罩本体机中有 1 台超声波系统。 We use one set of ultransonic.

Ear band welding part:

Ultrasonic welding method is adopted to fuse the elastic band to the inner side of both ends of the mask body, which is the last processing procedure of the inner ear mask production. Only one operator needs to place the mask body piece by piece in the mask plate, and the equipment will automatically complete the following actions until the finished product.

This machine adopts servo step drive,drive accurate, speed adjustable

- Technical parameter

Machine dimension	1915*855*1780mm
Voltage	AC 380V,60HZ,3 phases
Production speed	50-60 pcs/min
Power	2.7KW

- Configuration list of ear loop welding part

No.	Name	Brand	Specification
1	touch screen	MCGS	
2	PLC	Siemens	
3	PLC expansion	Siemens	
4	auxiliary relay	OMRON	
5	Circuit breaker	CHINT	
6	Contactor	CHINT	
7	Two Button rotary switch	CHINT	
8	Inching button	CHINT	
9	Inching button	CHINT	
10	Inching button	CHINT	
11	Scram button	CHINT	
12	Power supply Switch	MW	
13	Radiator fan&square shield （gray）	China	
14	Servo motor	MITSUBI	
15	Servo motor drive	MITSUBI	

序列号 NO.	产品名称 NAME	产品图片 PHOTO	机器优势 Advantage
1	伺服电机 Servo motor		We use Japan Mitsubishi servo motor,it is best brand.
2	触摸屏 Touch screen		西门子 PLC 系统 Siemens PLC and MCGS TOUCH SCREEN
3	风扇 FAN		我们将风扇安装在超声波喇叭附近，降低喇叭温度，延长超声波寿命。We use Fan to cool the ultrasonic, make it can use long time.
序列号 NO.	产品名称 NAME	产品图片 PHOTO	机器优势 Advantage

4	声波系统 Ultransonic system		一台点焊机器，2台超声波系统 One ear loop welding part have 2 sets of ultransonic
5	伺服系统替代气缸点焊 Servo system instead of cylinder	 	控制稳定，速度快速。 Operate stable, speed is more fast

6	口罩成品推送装置 Finished mask output device		我们机器上面使用气缸式口罩成品推送装置 When finished welding the ear loop and can load on the conveyor belt
7	独立输送带 conveyor belt		我们安装口罩片材输送带 can transport on the conveyor

Spare part list

Spare parts list (tool box)			
编号 NO.	名称 Name	单位	数量
1	鼻梁切刀片 Nose brige cutter	片	2 PCS
2	切刀片 Cutter	片	2 PCS
3	鼻梁嘴 Nose mouth	个	1
4	4040 型材角件 corner fittings	个	10
5	橡皮布 Rubber blanket	块	2
6	光电开关（洞头的）optoelectronic switch	个	2
7	光电开关（黄色）optoelectronic switch yellow	个	1
8	星型手柄 M12*80 star type handle	个	2
9	星型手柄 M10*80 star type handle	个	1
10	接近开关（阳明）proximity switch	个	1
11	片基带 520 Belt	条	1
12	片基带 590 belt	条	1
13	片基带 1910 belt	条	1
15	片基带 4930 belt	条	1
16	小型继电器差插 Small relay differential plug	个	1
17	二联件 4010 TC	个	1
18	定速电机 2IK6GN-C+2GN15K-G Motor	个	1
19	定速电机 4IK25GN-C+4GN7.5K-G Motor	个	1
20	**气动剪刀 AIR NIPPERS**	个	1

21	地脚 M16*100 Foot	个	6
22	地脚 M20*100 Foot	个	6
23	链条 06B Chain	条	1
24	3 分链条 Chain	条	1
25	铝板 aluminium plate	个	2
26	气缸手指 16 Air cylinder	个	1
27	手指甲 Finger	对	1
28	气缸 HLH16*20 cylinder	个	1
29	出片翻片爪子	个	2
30	同步带 5M240 Belt	条	1
31	同步带 5M425 belt	条	1
32	工具箱 Tool box	个	1
33	开口扳手 6-7 open spanner	把	1
34	开口扳手 8-10 open spanner	把	1
35	开口扳手 12-14 open spanner	把	1
36	开口扳手 17-19 open spanner	把	1
37	塑柄螺丝刀 十一 Plastic handel screw	把	1
38	螺丝刀 十一 Screw	把	1
39	剪刀 scissor	把	1
40	内六角扳手 internal hexagonal wrench	套	1
41	调节阀 4-01 regulating valve	个	3
42	调节阀 6-01 regulating valve	个	3
43	接头 4-02 Joint	个	5
44	接头 6-02 Joint	个	5