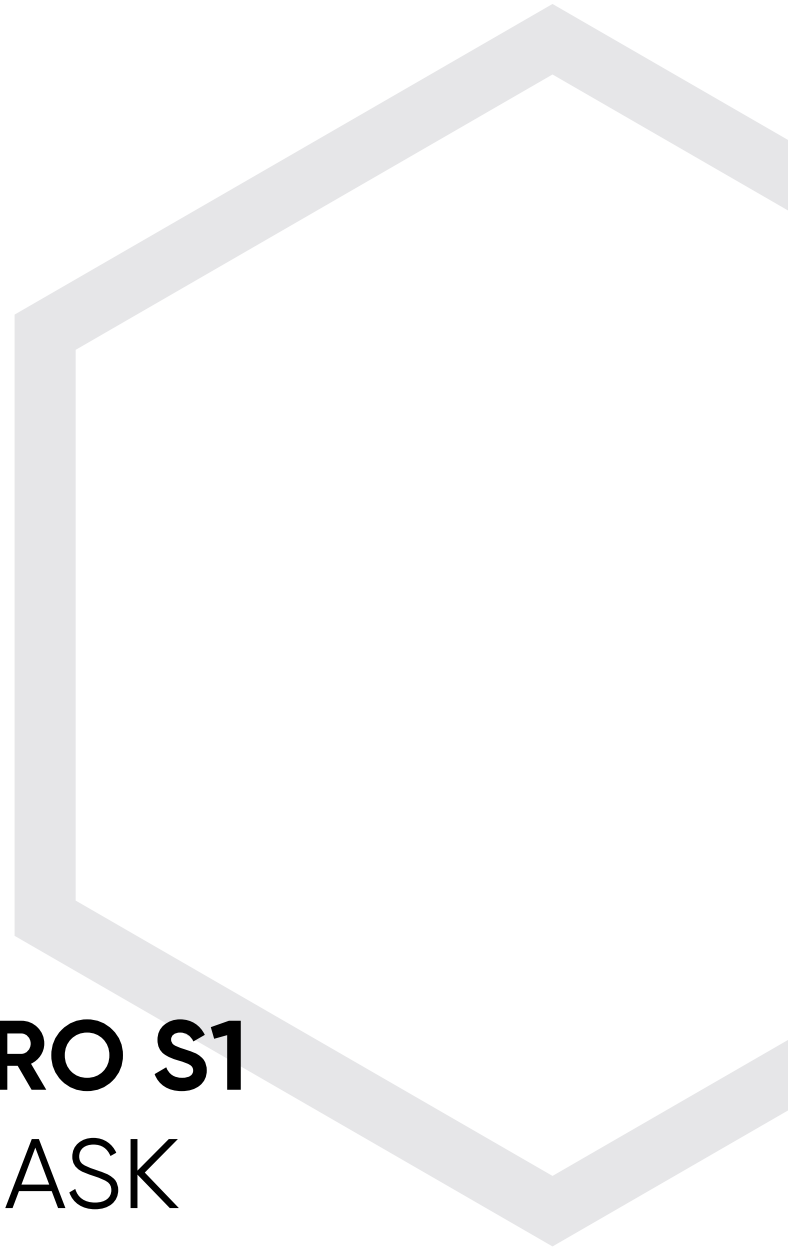


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TECHNOLOGIES



SPIDER LINE PRO S1
AUTOMATIC MASK
PRODUCTION MACHINE

Technical specifications

1. Introduction

This machine is used for automatic forming of flat masks. The roll of fabric is unrolled, it is driven by rollers, and the fabric is automatically folded and welded. Nose bridge are unrolled by traction, cut and imported into the hemmed fabric, both sides are welded to seal by ultrasonic welding. It is cut and shaped by a cutter and transported to the 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	Spider Line Pro S1
Size	3400mm(L) x 3800mm(W) x 1700mm (H)
Mask specification	175*95mm
Production efficiency	90 PCS/min Standard Calibration 105 PCS/min Average Calibration 120 PCS/min Optimal Calibration
Qualification rate	98-99%
Failure rate	2%
Power consumption	About 8.5kw
Working power	220VAC ± 5%, 50 Hz, Single Phase
Operating environment	temperature 10 ~ 35°C, humidity 5-35% HR, no flammable and corrosive gas, no dust (cleanness not less than 100,000).
Gross Weight	1120KG

Features

1. Fully automatic, high performance, saving 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 mechanism	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	1	3-7	Φ400	Φ76,2	Max 25kg
Ear belt	2 bags	160*3	-	-	10N

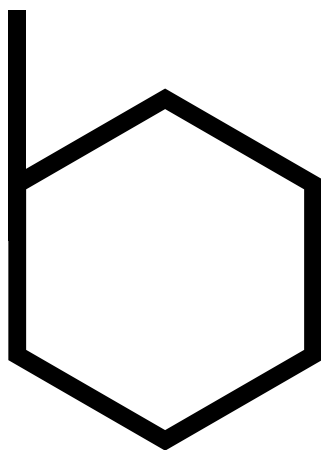


5. General equipment configuration

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/Iddec
10	Button	HBAN







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