

**Zhejiang Rongyifu Machinery Tech Co., Ltd.**

ADDRESS: No. 28-2, Qianxi Road, Taozhu Street,  
Zhuji City, Zhejiang Province.

MOB: +86 180 0685 3258

TEL: +86-575-8771 3986

FAX: +86-575-8771 3986

E-MAIL: [yifujixie2010@163.com](mailto:yifujixie2010@163.com)

WEBSITE: [www.ryfjx.com](http://www.ryfjx.com)

**ZHEJIANG  
RONGYIFU MACHINERY  
TECH CO., LTD.**

## Company Profile

Zhejiang Rongyifu Machinery Tech. Co., Ltd. is located in No. 28-2, Qianxi Road, Taozhu Street, Zhuji City, Zhejiang Province. Main R&D, production and sales: Socks, glove dotting machine, socks setting machine and other relevant non-standard mechanical equipment.

With the professional technical team, the company lays emphasis on the R&D

and production of new product and upgrading and reconstruction of old products, attaches importance to the intellectual property protection and has won many invention patents and more than twenty utility model patents and appearance patents.

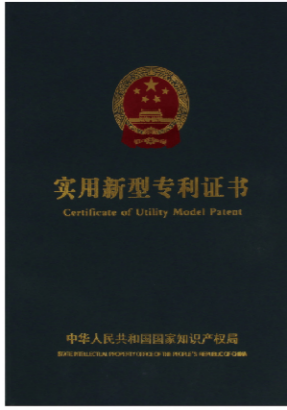
Enterprise philosophy: Take honesty as basis, make things simple.



# Plant interior



# Enterprise Honors

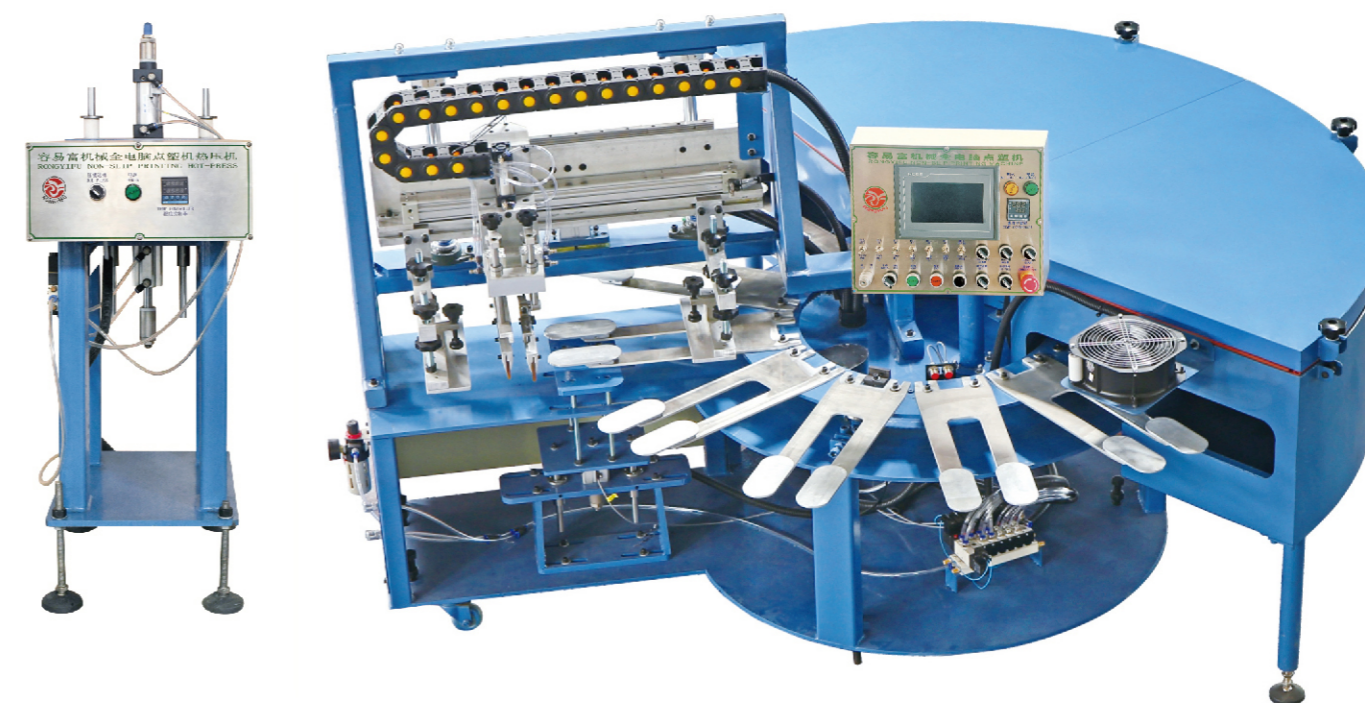


# Product Introduction



## RYFN – 18PS all computer control dotting machine

<b>MODEL</b>	RYFN - 18PS all computer control dotting machine
<b>SPECIFICATION</b>	Dimension 2,350MM (length) × 1,900MM (width) × 1,550MM (height)
<b>WORK CYCLE</b>	600 pairs/hour (stealth boat socks) with two people's operation 200 pairs/hour (glove) with one person's operation
<b>TEMPLATE QUANTITY</b>	18 pcs (9 pairs)
<b>POWER REQUIREMENTS</b>	6KW 380V, 3P, 50/60HZ (excluding air compressor)
<b>AIR PRESSURE REQUIREMENTS</b>	0.5-0.7Mpa, 0.2cbm/min



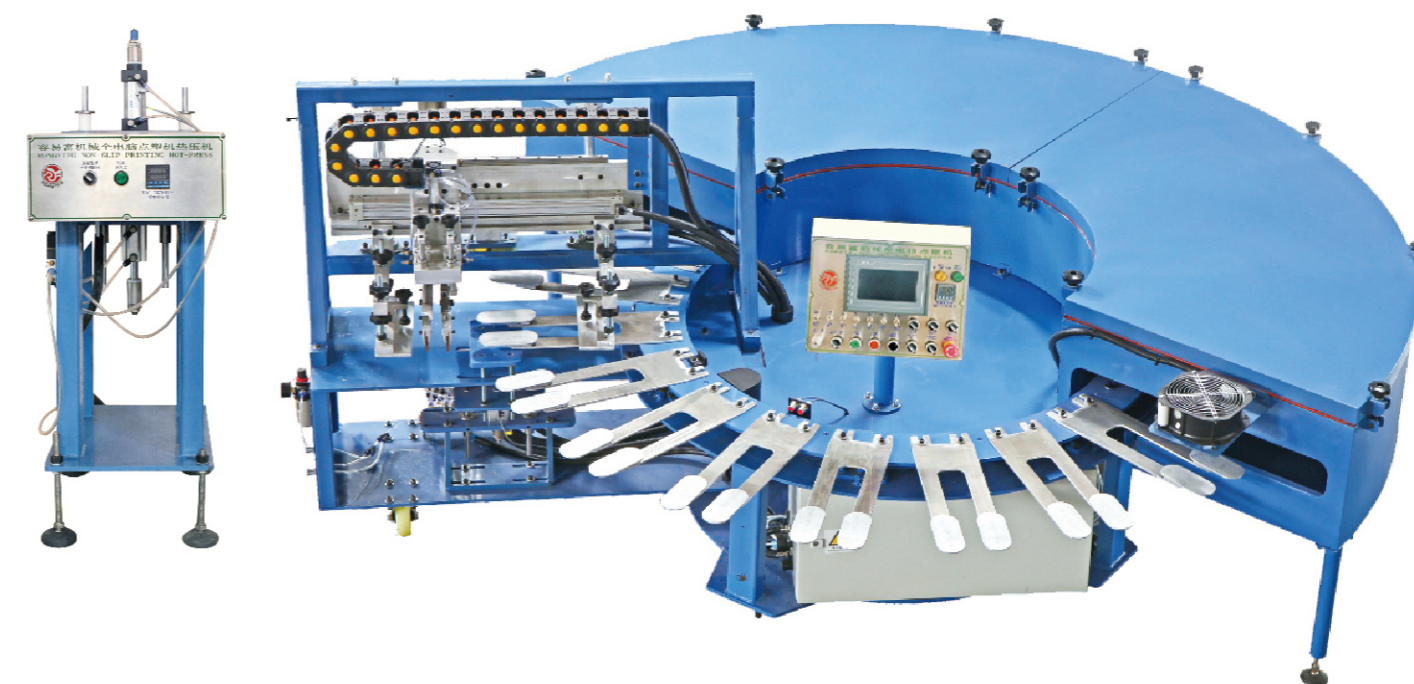
## RYFN – 24PS all computer control dotting machine

<b>MODEL</b>	RYFN-24PS all computer control dotting machine
<b>SPECIFICATION</b>	Dimension 2,650MM (length) × 1,800MM (width) × 1,200MM (height)
<b>WORK CYCLE</b>	12 pairs/min. at the fastest speed (720 pairs/hour at the fastest speed)
<b>TEMPLATE QUANTITY</b>	24 pcs (12 pairs)
<b>POWER REQUIREMENTS</b>	8.5KW (drying baker 7.5KW server motor 1KW) 380AC 50/60HZ (excluding air compressor)
<b>AIR PRESSURE REQUIREMENTS</b>	0.5-0.7Mpa, 0.2cbm/min



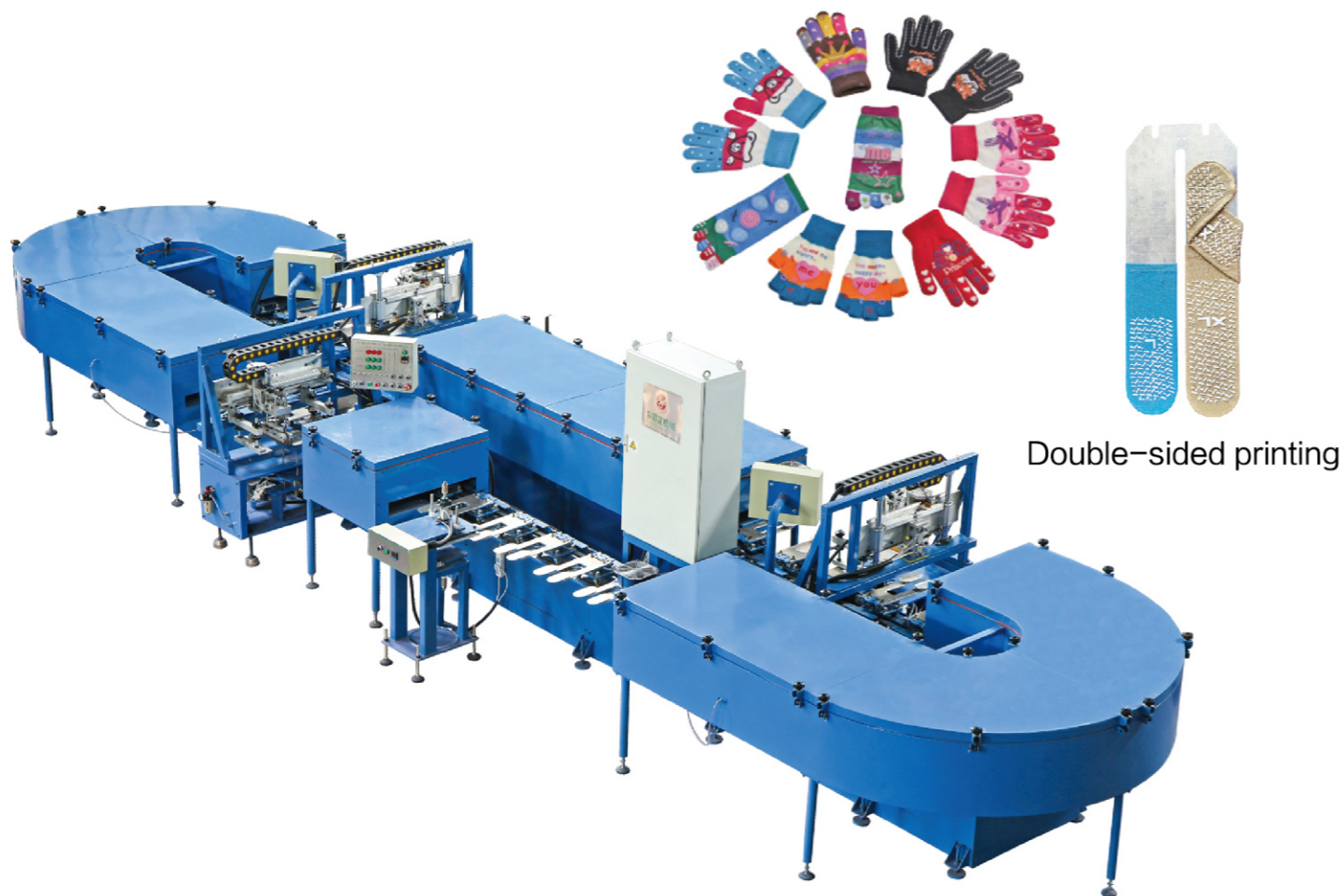
**RYFN – 36PS all computer control dotting machine**

<b>MODEL</b>	RYFN-36PS all computer control dotting machine
<b>SPECIFICATION</b>	Dimension 3,100MM (length) × 3,100MM (width) × 1,200MM (height)
<b>WORK CYCLE</b>	24 pairs/min. at the fastest speed (1,400 pairs/hour at the fastest speed)
<b>TEMPLATE QUANTITY</b>	36 pcs (18 pairs)
<b>POWER REQUIREMENTS</b>	16KW (drying baker 15KW server motor 1KW) 380AC 50/60HZ (excluding air compressor)
<b>AIR PRESSURE REQUIREMENTS</b>	0.5-0.7Mpa, 0.3cbm/min



**RYFN – 40PS all computer control dotting machine**

<b>MODEL</b>	RYFN-40PS all computer control dotting machine
<b>SPECIFICATION</b>	Dimension 3,100mm (length) × 3,100mm (width) × 1,200mm (height)
<b>WORK CYCLE</b>	24 pairs/min. at the fastest speed (1,400 pairs/hour at the fastest speed)
<b>TEMPLATE QUANTITY</b>	40 pcs (20 pairs)
<b>POWER REQUIREMENTS</b>	16KW (drying baker 15KW server motor 1KW) 380AC 50/60HZ (excluding air compressor)
<b>AIR PRESSURE REQUIREMENTS</b>	0.5-0.7Mpa, 0.3cbm/min



## RYFN 96 – 200PS all computer control dotting machine

<b>MODEL</b>	RYFN96-200PS all computer control dotting machine
<b>SPECIFICATION</b>	Dimension 9,000-20,000mm (length) × 2,500mm (width) × 1,500mm (height)
<b>WORK CYCLE</b>	16 pairs/min. at the fastest speed (960 pairs/hour at the fastest speed)
<b>TEMPLATE QUANTITY</b>	20-200 pcs (40-100 pairs)
<b>POWER REQUIREMENTS</b>	40-100KW
<b>AIR PRESSURE REQUIREMENTS</b>	0.5-0.7Mpa, 0.2cbm/min×(2-6)



## RYFS – 140PS rotary steam setting machine

### Performance characteristics

- 1.The machine adopts OMRON PLC-HMI, the setting process parameters are simple and convenient, the workflow is clear, and the cause of failure is clear at a glance.
- 2.The machine adopts the pressure sensor to collect the steam pressure data, and the steam pressure at working could be adjusted arbitrarily in the range of 0-3 kg. Seven sets of setting process parameters can be set for 7 sets of templates.
- 3.The machine abandons the traditional clutch, and uses two motors to drive the front chain and rear chain, respectively. The speed could be adjusted by the frequency converter. The machine could conduct the positive and negative rotation, with the convenient operation.
- 4.The push rod could be positively and negatively rotated manually, with convenient maintenance.
- 5.Innovative transmission mode reduces the abnormal sound, improves the stability of setting machine and increases the output.
- 6.The initiate 7 groups of sock seat can work circularly and the output is increased by more than 20%.
- 7.This machine is suitable for small batch sock shaping processing, with 800-1000 pairs/hour, equipment power of 9KW, and power of 60KW for an electric boiler.

<b>MODEL</b>		RYFS-140PS
Output/hour	Sock setting time per piece	1.2 sec./pcs
		1.4 sec./pcs
		1.6 sec./pcs
<b>Manpower requirements</b>		3 persons
<b>Power requirements</b>		About 9KW, AC380V, 3 phases, 50/60hz
<b>Model quantity</b>		140 pcs (20 pcs x 7 groups)
<b>Steam shaping box</b>		Interior capacity 0.124m <sup>3</sup>
		Max 3 bar
<b>Dimension</b>		5270mm length × 2,100mm width × 2,200mm height
<b>Steam Requirements</b>		300Kg/hr
		7bar(Min 5 bar)
<b>Requirements of Compressor</b>		0.3cbm/min
		Min 5 bar



## RYFS – 140PSA rotary steam setting machine

### Performance characteristics

- 1.The machine adopts OMRON PLC-HMI, the setting process parameters are simple and convenient, the workflow is clear, and the cause of failure is clear at a glance.
- 2.The machine adopts the pressure sensor to collect the steam pressure data, and the steam pressure at working could be adjusted arbitrarily in the range of 0-3 kg. Seven sets of setting process parameters can be set for 7 sets of templates.
- 3.The machine abandons the traditional clutch, and uses two motors to drive the front chain and rear chain, respectively. The speed could be adjusted by the frequency converter and the machine could conduct the positive and negative rotation, with the convenient operation.
- 4.The push rod could be positively and negatively rotated manually, with convenient maintenance.
- 5.Innovative transmission mode reduces the abnormal sound, improves the stability of setting machine and increases the output.
- 6.The initiate 7 groups of sock seat can work circularly and the output is increased by more than 20%.
- 7.With automatic socks removal function.
- 8.This machine is suitable for small batch sock shaping processing, with 800-1000 pairs/hour, equipment power of 9KW, and power of 60KW for an electric boiler.

MODEL		RYFS-140PSA	
Output/hour	Sock setting time per piece	1.2 sec./pcs	120 dozens/hour
		1.4 sec./pcs	104 dozens/hour
		1.6 sec./pcs	92 dozens/hour
Manpower requirements		3 persons	
Power requirements		About 9KW, AC380V, 3 phases, 50/60hz	
Model quantity		140 pcs (20 pcs x 7 groups)	
Steam shaping box		Interior capacity 0.124m <sup>3</sup> Max 3 bar	
Dimension		5270mm length x 2,100mm width x 2,750mm height	
Steam Requirements		300Kg/hr 7bar(Min 5 bar)	
Requirements of Compressor		0.3cbm/min Min 5 bar	

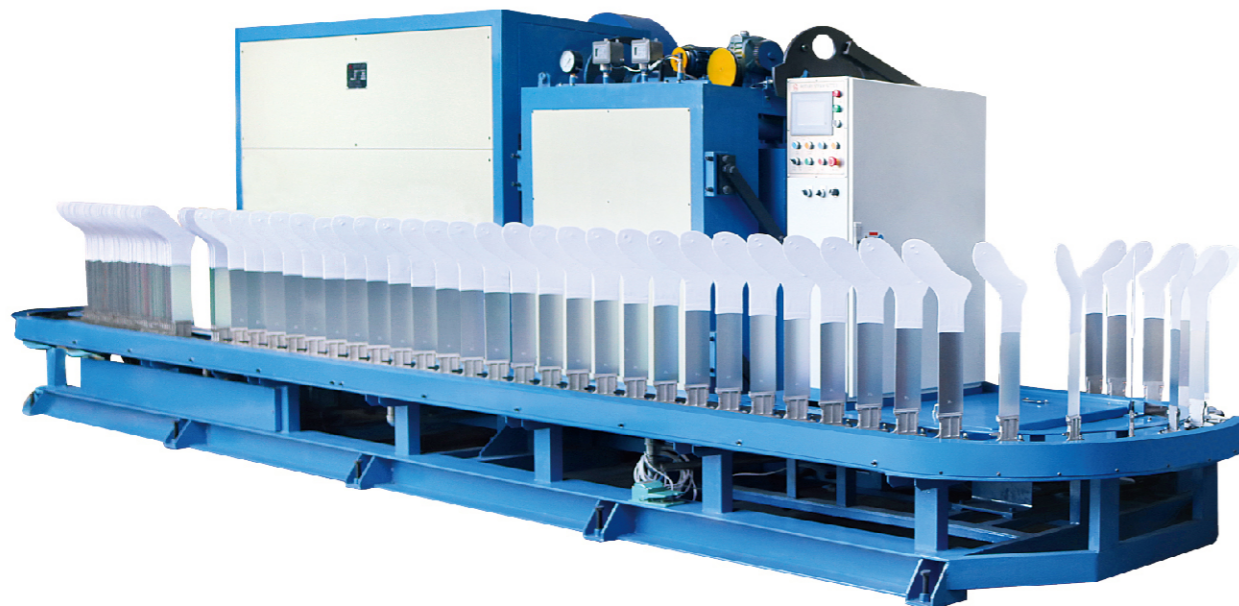


## RYFS – 280PSA rotary steam setting machine

### Performance characteristics

- 1.The machine adopts OMRON PLC-HMI, the setting process parameters are simple and convenient, the workflow is clear, and the cause of failure is clear at a glance.
- 2.The machine adopts the pressure sensor to collect the steam pressure data, and the steam pressure at working could be adjusted arbitrarily in the range of 0-3 kg. Seven sets of setting process parameters can be set for 7 sets of templates.
- 3.The machine abandons the traditional clutch, and uses two motors to drive the front chain and rear chain, respectively. The speed could be adjusted by the frequency converter and the machine could conduct the positive and negative rotation, with the convenient operation.
- 4.The push rod could be positively and negatively rotated manually, with convenient maintenance.
- 5.Innovative transmission mode reduces the abnormal sound, improves the stability of setting machine and increases the output.
- 6.The initiate 7 groups of sock seat can work circularly and the output is increased by more than 20%.
- 7.With automatic socks removal function.

MODEL		RYFS-280PSA	
Output/hour	Sock setting time per piece	0.7 sec./pcs	209 dozens/hour
		0.8 sec./pcs	183 dozens/hour
Manpower requirements		6 persons	
Power requirements		About 12KW, AC380V, 3 phases, 50/60hz	
Model quantity		280 pcs (40 pcs x 7 groups)	
Steam shaping box		Interior capacity 0.369m <sup>3</sup> Max 3 bar	
Dimension		8,600mm length x 2,100mm width x 2,200mm height	
Steam Requirements		300Kg/hr 7 bar(Min 5bar)	
Requirements of Compressor		0.3 cbm/min Min 5 bar	

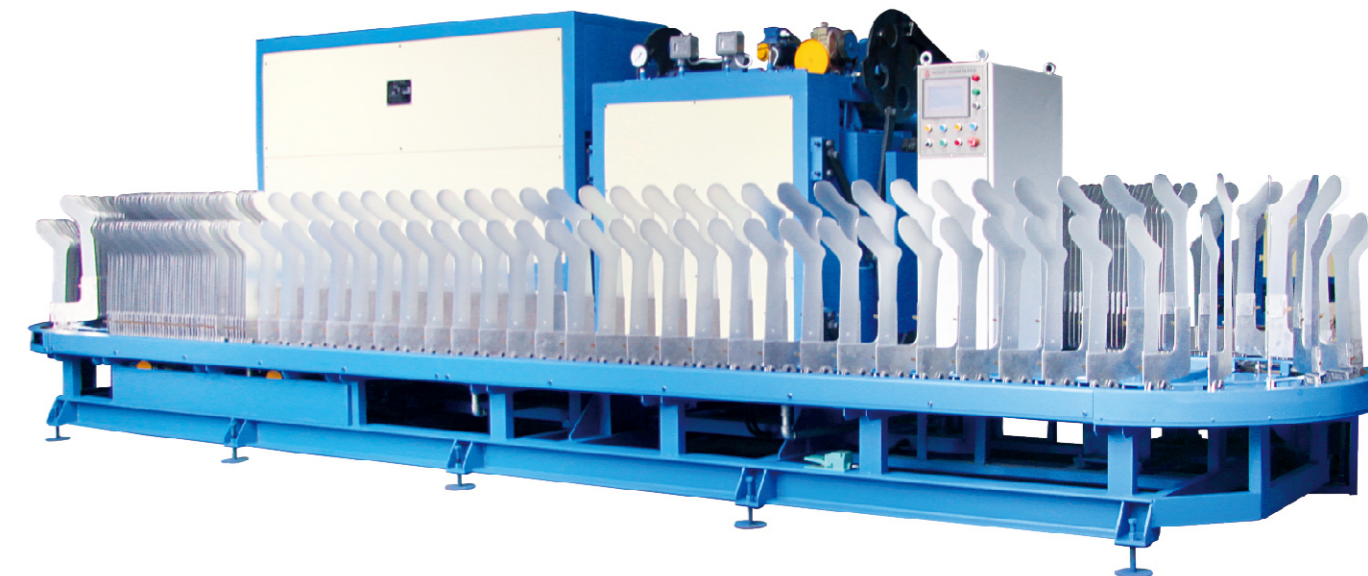


## RYFS – 280PS rotary steam setting machine

### Performance characteristics

- 1.The machine adopts OMRON PLC-HMI, the setting process parameters are simple and convenient, the workflow is clear, and the cause of failure is clear at a glance.
- 2.The machine adopts the pressure sensor to collect the steam pressure data, and the steam pressure at working could be adjusted arbitrarily in the range of 0-3 kg. Seven sets of setting process parameters can be set for 7 sets of templates.
- 3.The machine abandons the traditional clutch, and uses two motors to drive the front chain and rear chain, respectively. The speed could be adjusted by the frequency converter. The machine could conduct the positive and negative rotation, with the convenient operation.
- 4.The push rod could be positively and negatively rotated manually, with convenient maintenance.
- 5.Innovative transmission mode reduces the abnormal sound, improves the stability of setting machine and increases the output.
- 6.The initiate 7 groups of sock seat can work circularly and the output is increased by more than 20%.

MODEL		RYFS-280PS	
Output/hour	Sock setting time per piece	0.6 sec./pcs	240 dozens/hour
		0.7 sec./pcs	209 dozens/hour
		0.8 sec./pcs	183 dozens/hour
Manpower requirements		6 persons	
Power requirements		About 12KW, AC380V, 3 phases, 50/60hz	
Model quantity		280 pcs (40 pcs x 7 groups)	
Steam shaping box		Interior capacity 0.369m <sup>3</sup>	
Dimension		Max 3 bar	
Steam Requirements		8,000mm length x 2,100mm width x 2,200mm height	
Requirements of Compressor		300Kg/hr	
		7bar(Min 5 bar)	
		0.3cbm/min	
		Min 5 bar	



## RYFS – 560PS rotary steam setting machine

### Performance characteristics

- 1.The machine adopts OMRON PLC-HMI, the setting process parameters are simple and convenient, the workflow is clear, and the cause of failure is clear at a glance.
- 2.The machine adopts the pressure sensor to collect the steam pressure data, and the steam pressure at working could be adjusted arbitrarily in the range of 0-3 kg. Seven sets of setting process parameters can be set for 7 sets of templates.
- 3.The machine abandons the traditional clutch, and uses two motors to drive the front chain and rear chain, respectively. The speed could be adjusted by the frequency converter. The machine could conduct the positive and negative rotation, with the convenient operation.
- 4.The push rod could be positively and negatively rotated manually, with convenient maintenance.
- 5.Innovative transmission mode reduces the abnormal sound, improves the stability of setting machine and increases the output.
- 6.The initiate 7 groups of sock seat can work circularly and the output is increased by more than 20%.

MODEL		RYFS-560PS	
Output/hour	Sock setting time per piece	0.6 sec./pcs	480 dozens/hour
		0.7 sec./pcs	418 dozens/hour
		0.8 sec./pcs	366 dozens/hour
Manpower requirements		10 persons	
Power requirements		About 12KW, AC380V, 3 phases, 50/60hz	
Model quantity		560 pcs (40 pcs x 7 groups)	
Steam shaping box		Interior capacity 0.476m <sup>3</sup>	
Dimension		Max 3 bar	
Steam Requirements		8,200mm length x 2,250mm width x 2,200mm height	
Requirements of Compressor		400Kg/hr	
		7bar(Min 5 bar)	
		0.3cbm/min	
		Min 5 bar	



## RYFS – 350PS rotary steam setting machine

1. RYFS-350/700PS Rotary steam boarding machine is originated with 7 groups frames working system, which is helpful for extending the time of removing socks. The production capacity is increased 20% more than the traditional 6 groups frames machine,
2. The push rod is controlled by servo driver. It can run forward or reverse in the manual mode, which is friendly for commissioning or repairing the machine. Meanwhile, the push rod can run with a higher speed and more stabilization in the auto mode.
3. The used steam of chamber can be reused along with the supplied team for socks drying, which is our innovation. It can help for saving the steam consumption.
4. The frame holder and spider are designed specially, which helps to increase each group' s frames qty from 40pcs to 50pcs. This can help for saving steam consumption 25% plus.
5. The transmission of front chain and back chain are through 2 servo drivers' coordinated operation, instead of the passive mode of clutch joint. The front chain and back chain can be controlled to run forward of reverse individually in the manual mode, which is friendly operation.
6. Equipped with OMRON PLC-HMI control system. The boarding parameter of each group can be set individually among 7 groups. The machine' s running conditions inclusive of the errors can be shown on the LED screen.
7. We have achieved many invention patents and utility model patens.

MODEL		RYFS-350PS	
Output/hour	Sock setting time per piece	0.6 sec./pcs	240 dozens/hour
		0.7 sec./pcs	209 dozens/hour
		0.8 sec./pcs	183 dozens/hour
Manpower requirements		6 persons	
Power requirements		About 12KW, AC380V, 3 phases, 50/60hz	
Model quantity		350 pcs (50 pcs x 7 groups)	
Steam shaping box		Interior capacity 0.369cbm Max 3 bar	
Dimension		8000mm× 2100mm× 2200mm(L×W×H)	
Weight		6500Kg	
Steam Requirements		300Kg/hr 7bar(Min 5 bar)	
Requirements of Compressor		0.3cbm/min Min 5 bar	

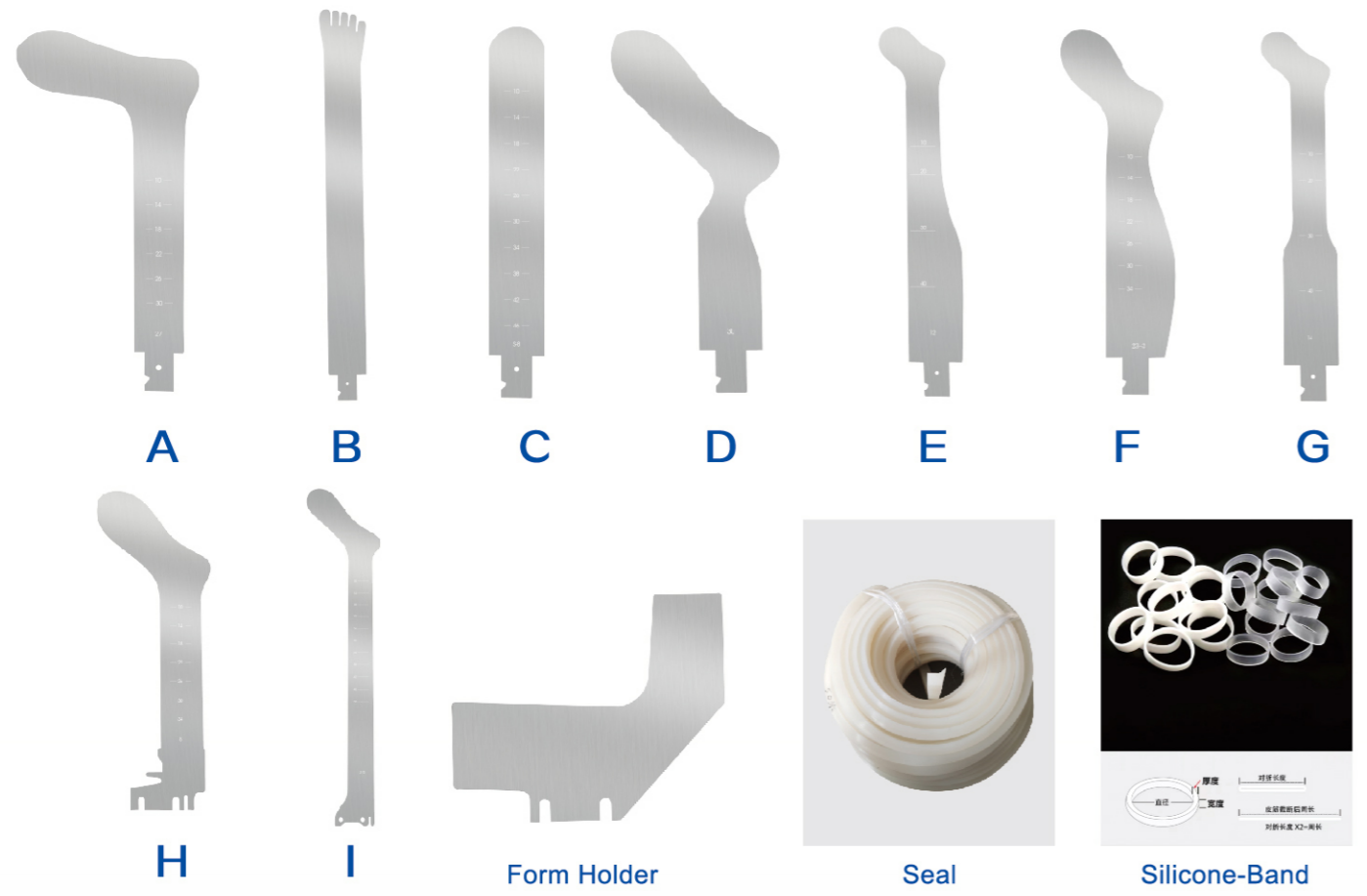


## RYFS – 700PS rotary steam setting machine

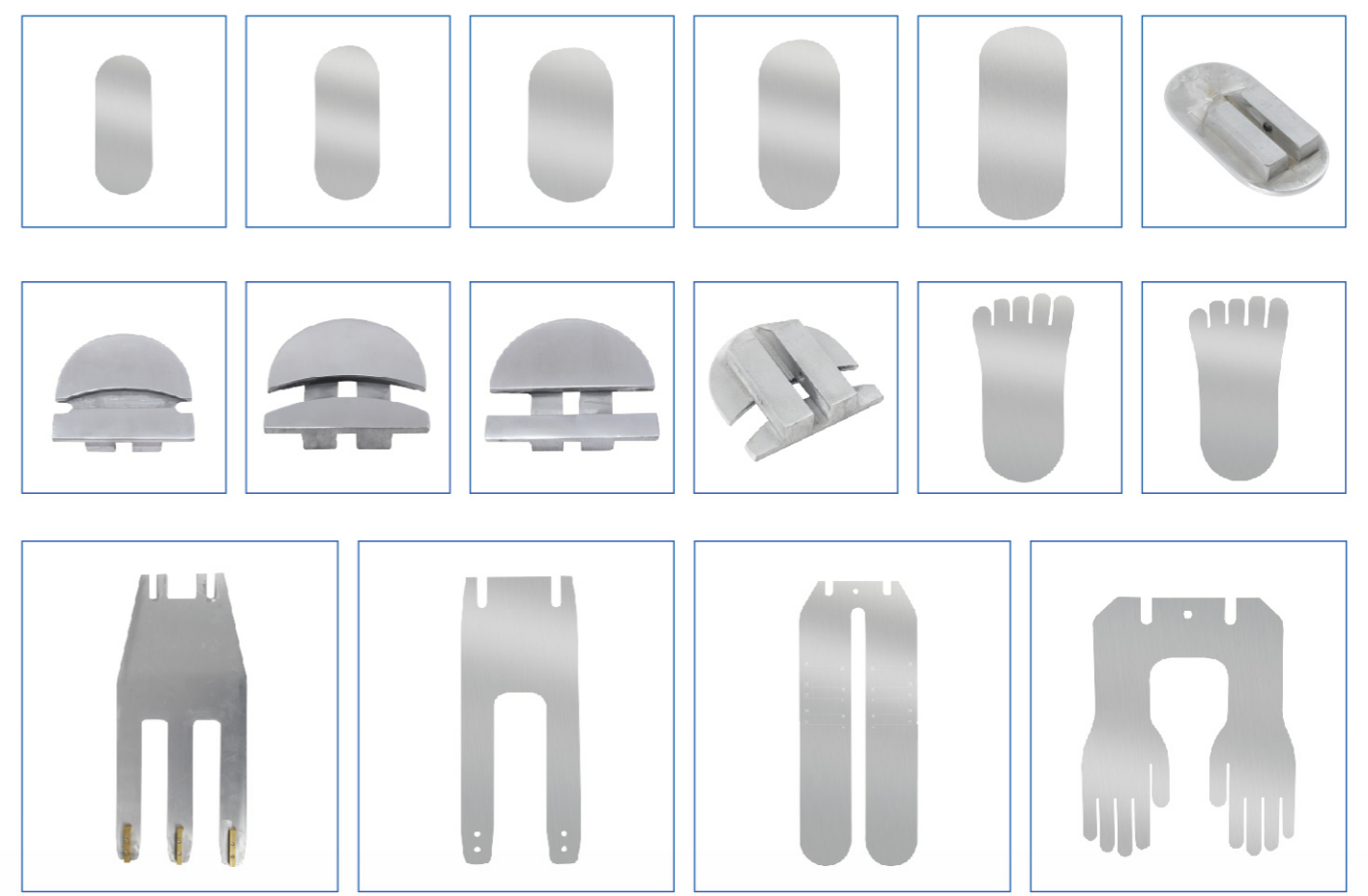
1. RYFS-350/700PS Rotary steam boarding machine is originated with 7 groups frames working system, which is helpful for extending the time of removing socks. The production capacity is increased 20% more than the traditional 6 groups frames machine,
2. The push rod is controlled by servo driver. It can run forward or reverse in the manual mode, which is friendly for commissioning or repairing the machine. Meanwhile, the push rod can run with a higher speed and more stabilization in the auto mode.
3. The used steam of chamber can be reused along with the supplied team for socks drying, which is our innovation. It can help for saving the steam consumption.
4. The frame holder and spider are designed specially, which helps to increase each group' s frames qty from 40pcs to 50pcs. This can help for saving steam consumption 25% plus.
5. The transmission of front chain and back chain are through 2 servo drivers' coordinated operation, instead of the passive mode of clutch joint. The front chain and back chain can be controlled to run forward of reverse individually in the manual mode, which is friendly operation.
6. Equipped with OMRON PLC-HMI control system. The boarding parameter of each group can be set individually among 7 groups. The machine' s running conditions inclusive of the errors can be shown on the LED screen.
7. We have achieved many invention patents and utility model patens.

MODEL		RYFS-700PS	
Output/hour	Sock setting time per piece	0.6 sec./pcs	480 dozens/hour
		0.7 sec./pcs	418 dozens/hour
		0.8 sec./pcs	366 dozens/hour
Manpower requirements		10 persons	
Power requirements		About 12KW, AC380V, 3 phases, 50/60hz	
Model quantity		700 pcs (50 pcs x 7 groups)	
Steam shaping box		Interior capacity 0.476cbm Max 3 bar	
Dimension		8200mm × 2250mm× 2200mm(L×W×H)	
Weight		7150Kg	
Steam Requirements		400Kg/hr 7bar(Min 5 bar)	
Requirements of Compressor		0.3cbm/min Min 5 bar	

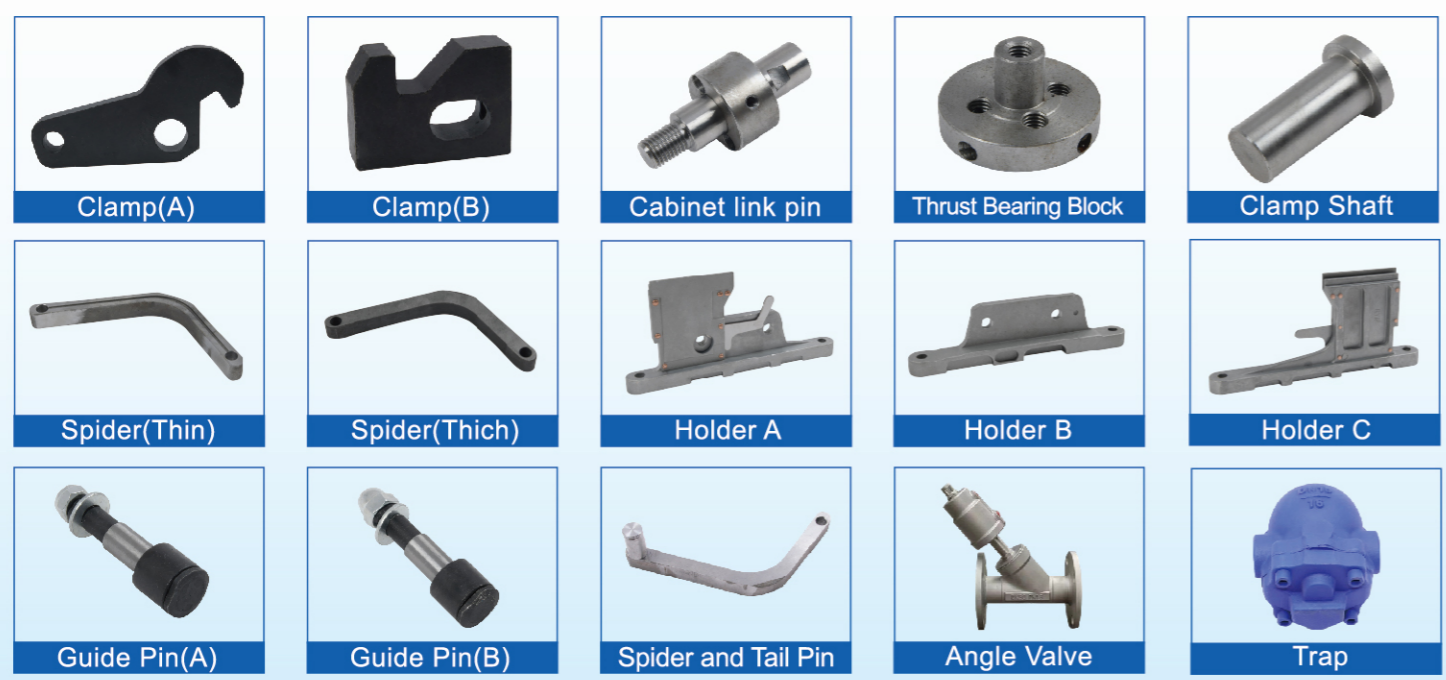
► Frame and consumable parts for boarding machine



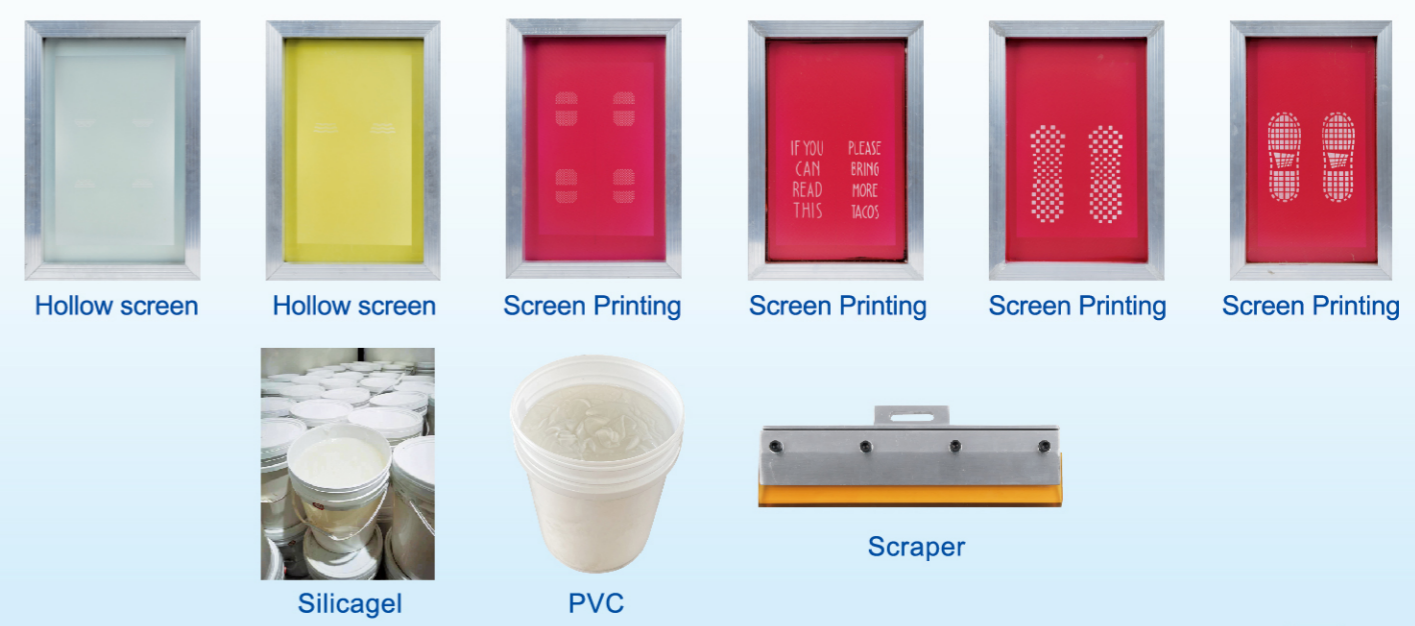
► Dotting machine frames



► Spare parts for boarding machine



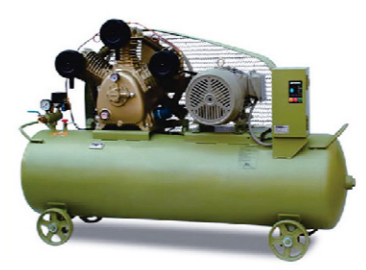
► Dotting machine accessories



▶ Samples



▶ Relative equipments



Air Compressor( Pistion or Screw Style)

Suction Blower



Air Dryer

Voltage Machine

Air Tank

Steam generator

