

JBZ-OCM12

# Paper Cup Machine

Intelligent Model

80-100 PCS-MIN



Single Plate  
High Speed



Ruian Mingyuan Machinery Co., Ltd

# CATALOGUE”

Catalogue Of Product Album

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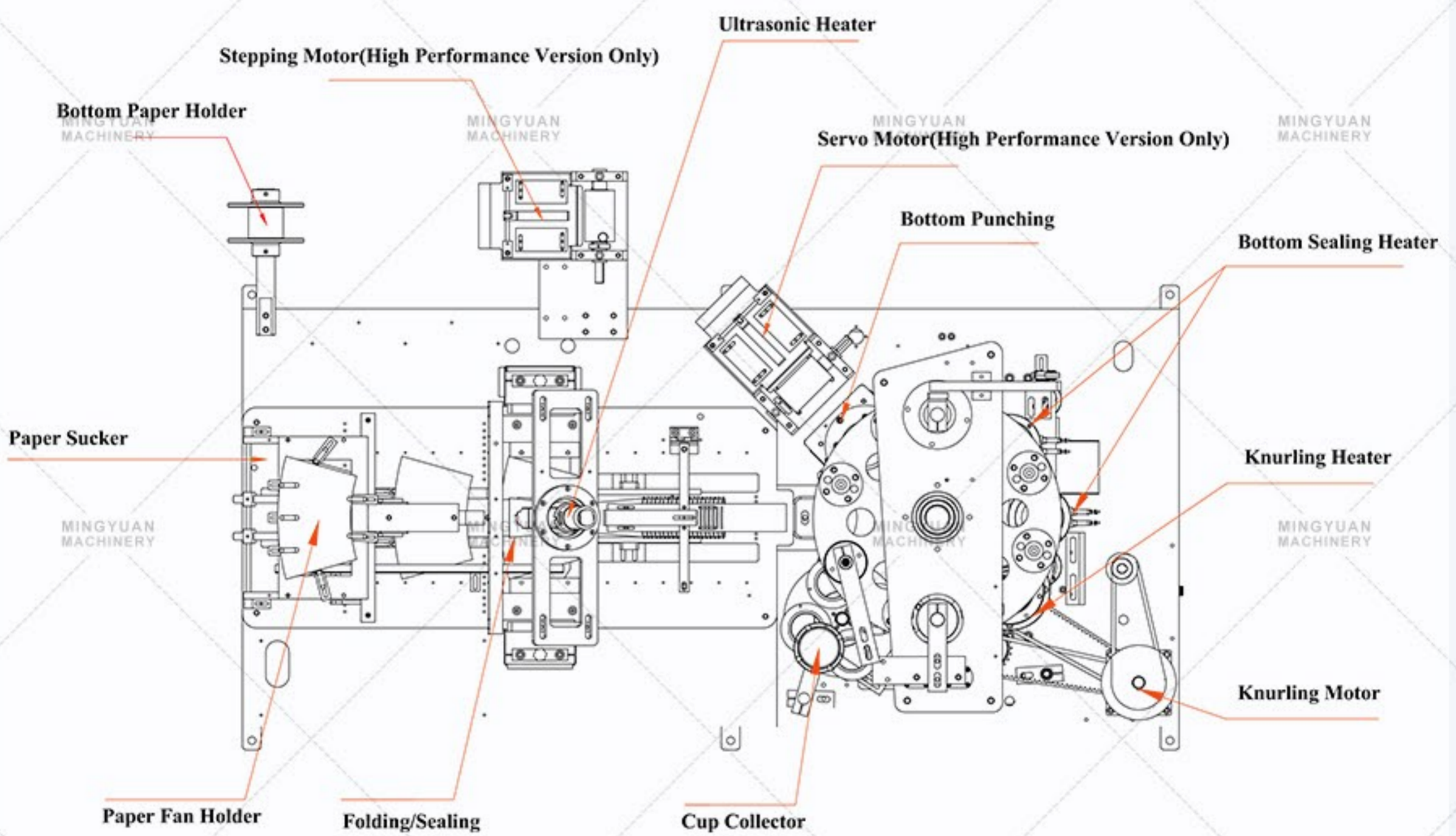
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# Parameters

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## PAPER CUP FORMING PROCESS



Model	High Speed Intelligence Model Paper Cup Machine JBZ-OCM12
Paper Cup Size	1.5 ~16 OZ (Mould exchangeable, Max Cup Height: 136mm , Max Bottom width :85mm
Rated Speed	<b>80-100pcs/min</b> ( Speed affected by cup size, paper quality & thickness) 90Z, 280GSM paper cup Stable running speed 80 pcs each min.
Raw Material	One or Two side PE coated Paper(Popular for Hot and Cold drink Cups)
Suitable paper weight	140-350gsm
Power Source:	50/60HZ, 380V/220V ( better use 380V, 3 Phase ) or special Power requirement.
Total Power	8.5 KW
Total Weight	GW/NW: 1900KGS/1750KGS
Pack Size (L*W*H)	2270*1400*1970mm 1000*750*2100mm
Working Air Source	Air pressure:0.4Mpa; Air Out-put:0.6m <sup>3</sup> /minute Need to buy Air Compressor(by user)
Cup Side Welding	Ultrasonic heater
Cup Bottom Heating	1side PE paper by heater knurling; 2side PE paper by cool device (circle water) knurling.
Cup Bottom Knurling	Heater Knurling (if use single PE coated paper)

OEM ( Show Client Company Name in Machine Panel ) is welcome in our factory

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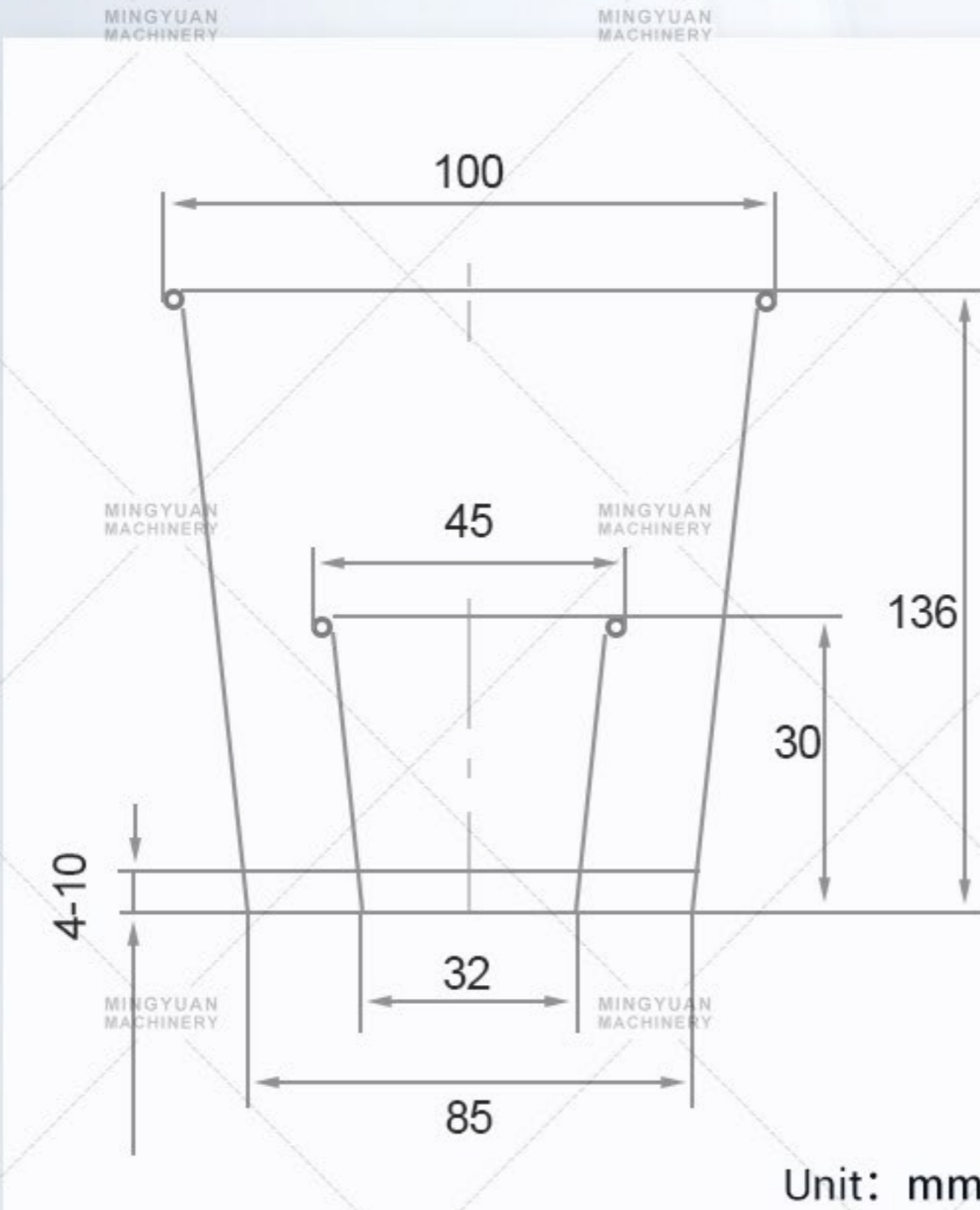
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# Cup Size Range

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Cup Bottom Diameter:

Min 32mm ~ Max85mm

Cup Top Diameter:

Min 45mm ~ Max100mm

Cup Height:

Min 30mm ~ Max136mm

Bottom Knurling Depth:

Min 4mm ~ Max 10mm  
(popular 5mm)

Top Curling Rim Diameter:

Popular about  $2.5\Phi\sim3\Phi$



# Two Choice

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## ULTRASONIC HEATER

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## ULTRASONIC HEATER PAPER CUP MACHINE WITH COUNTING SYSTEM

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## FULL SET MOULD



Different Size Cups with different bottom diameter and angle, (Difficult to change mould). We NO Suggestion Client to change Full Set Mould which easy be trouble of machine. For One Set machine is better goes with 1-2 extra half sets mould

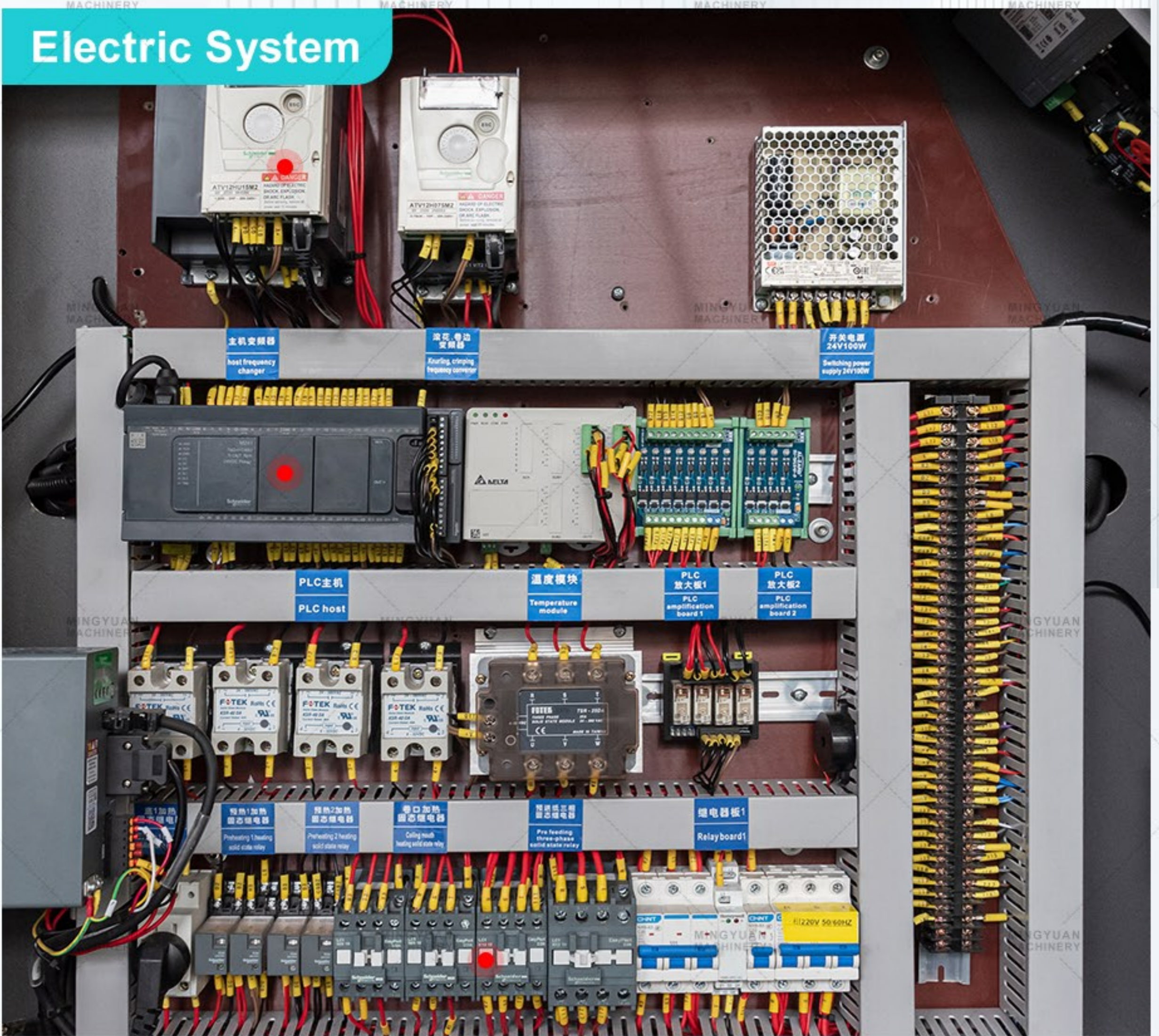
## HALF SET MOULD



Different Size Cups with same bottom diameter and angle, Just different size in cup height and Top Dia.

# Selling Points

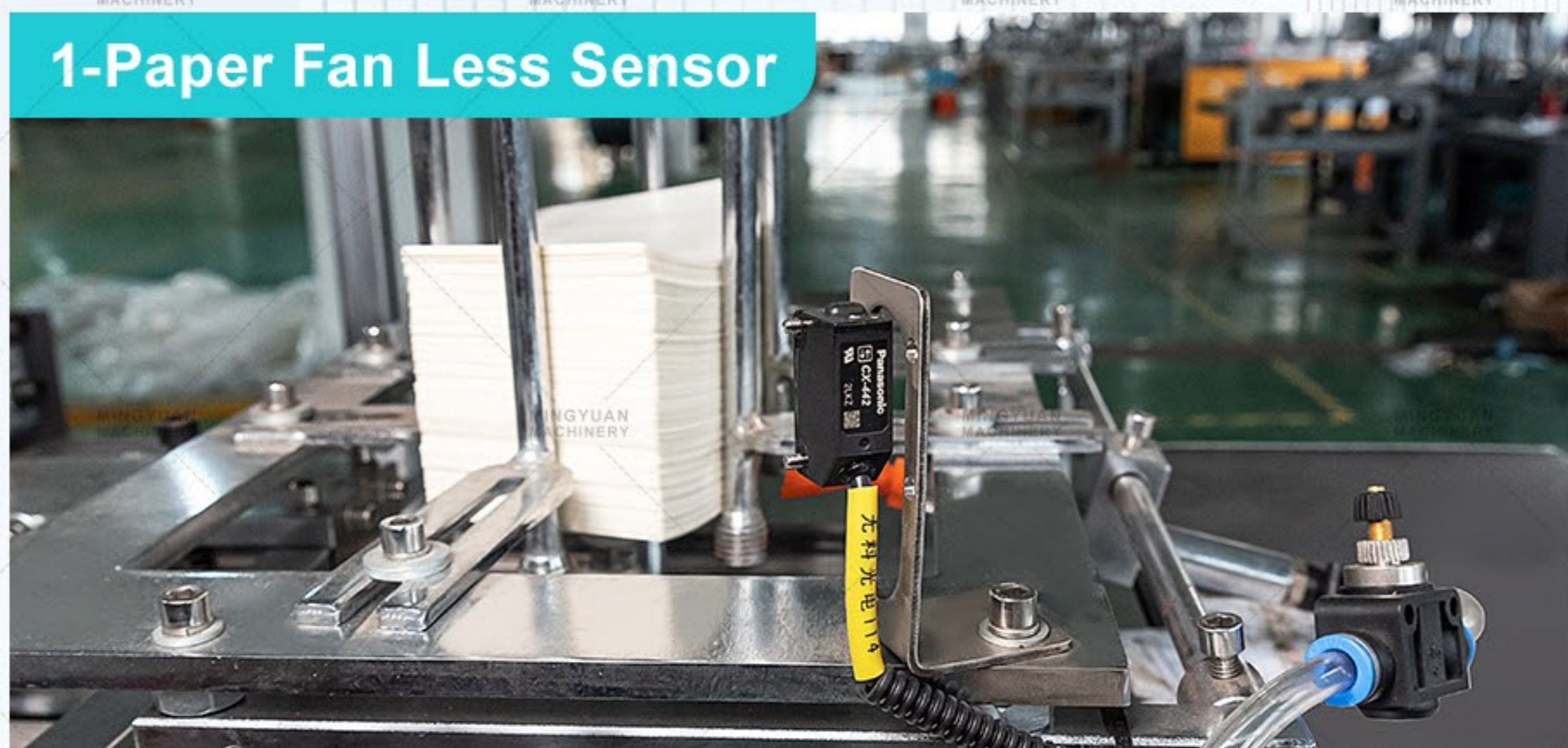
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Quality Brand electric System like Delta, Schneider.  
PLC control system be with Schneider Brand Made in France  
with Reliable quality.

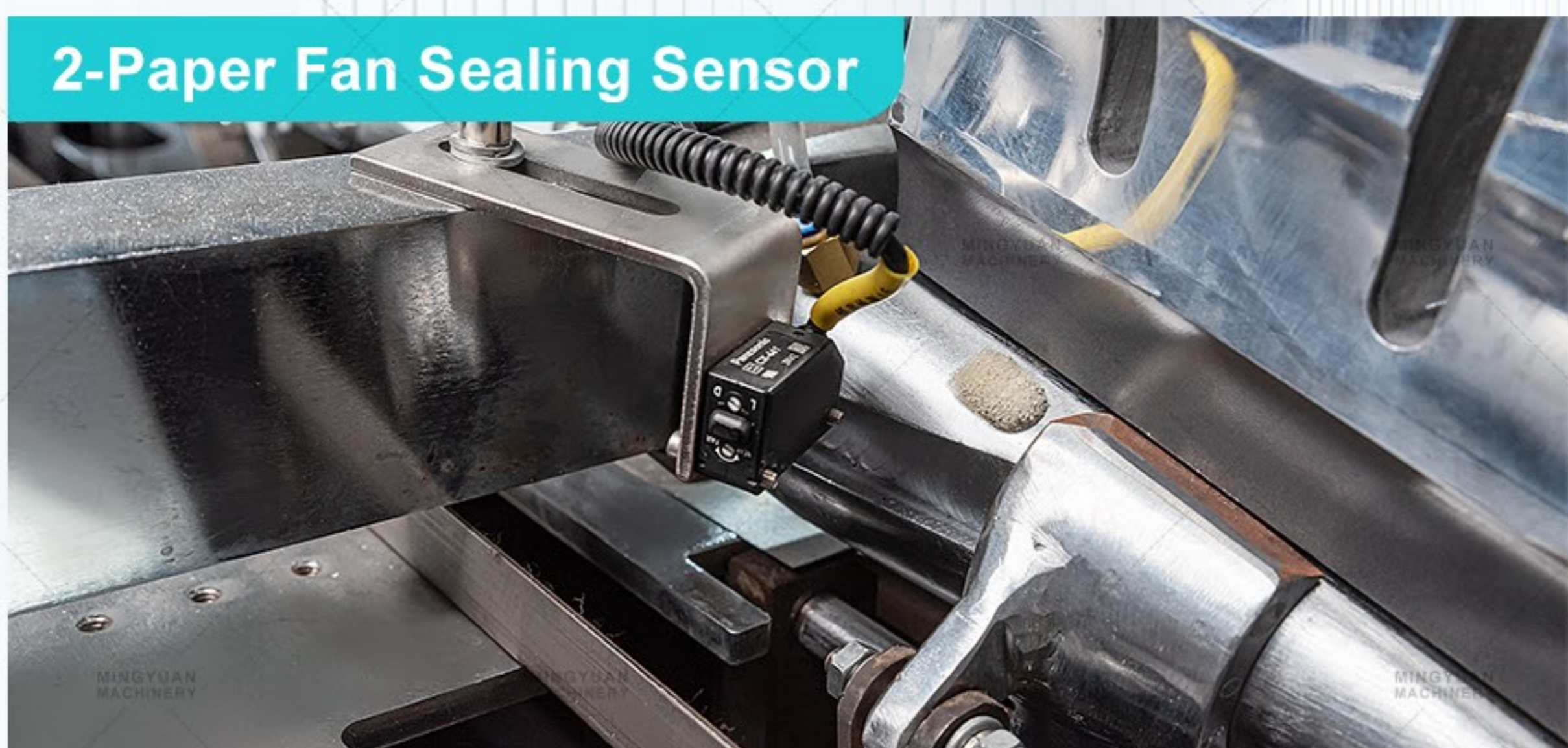
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## 1-Paper Fan Less Sensor



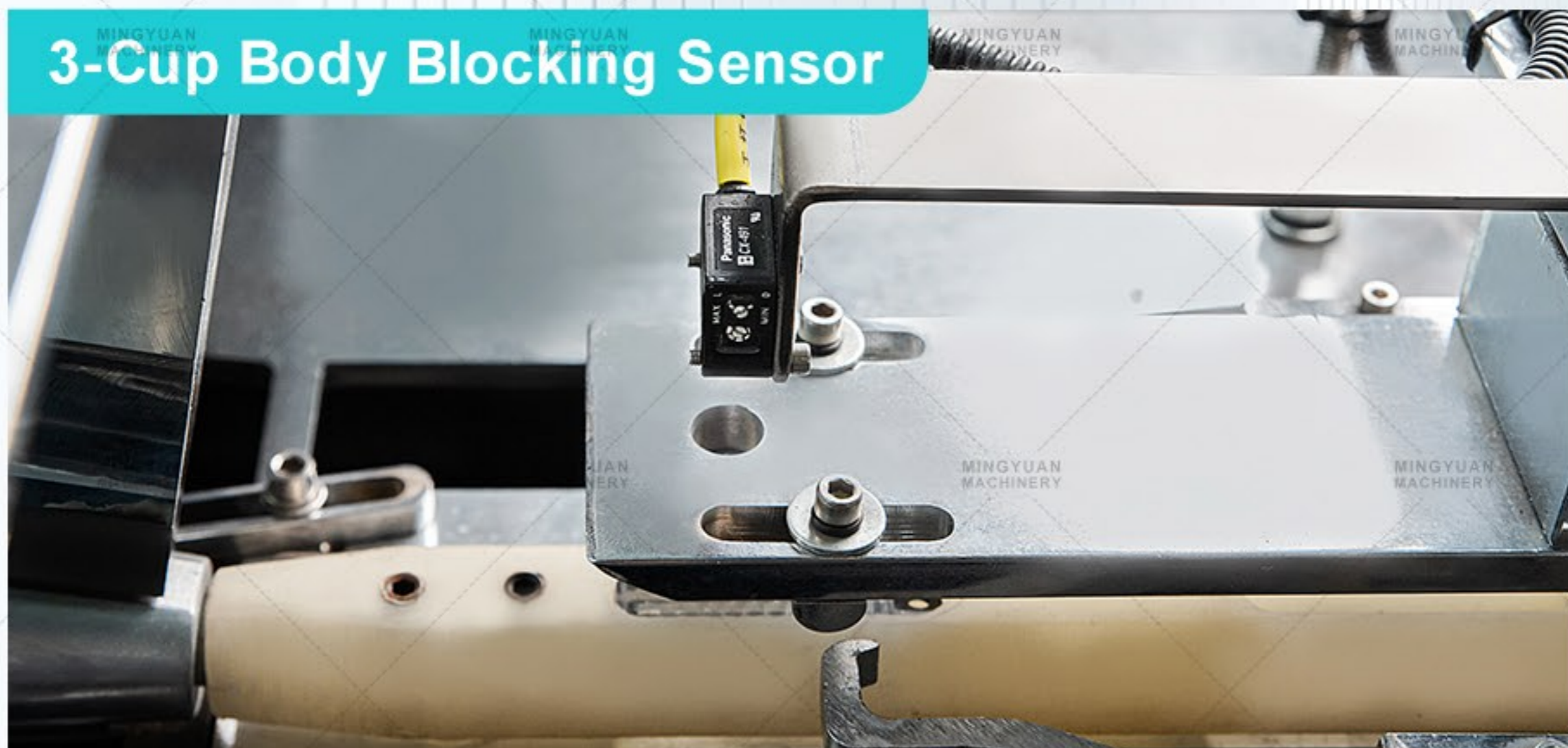
If Less paper ,the sensor will send alarm and show errors information in touch screen

## 2-Paper Fan Sealing Sensor



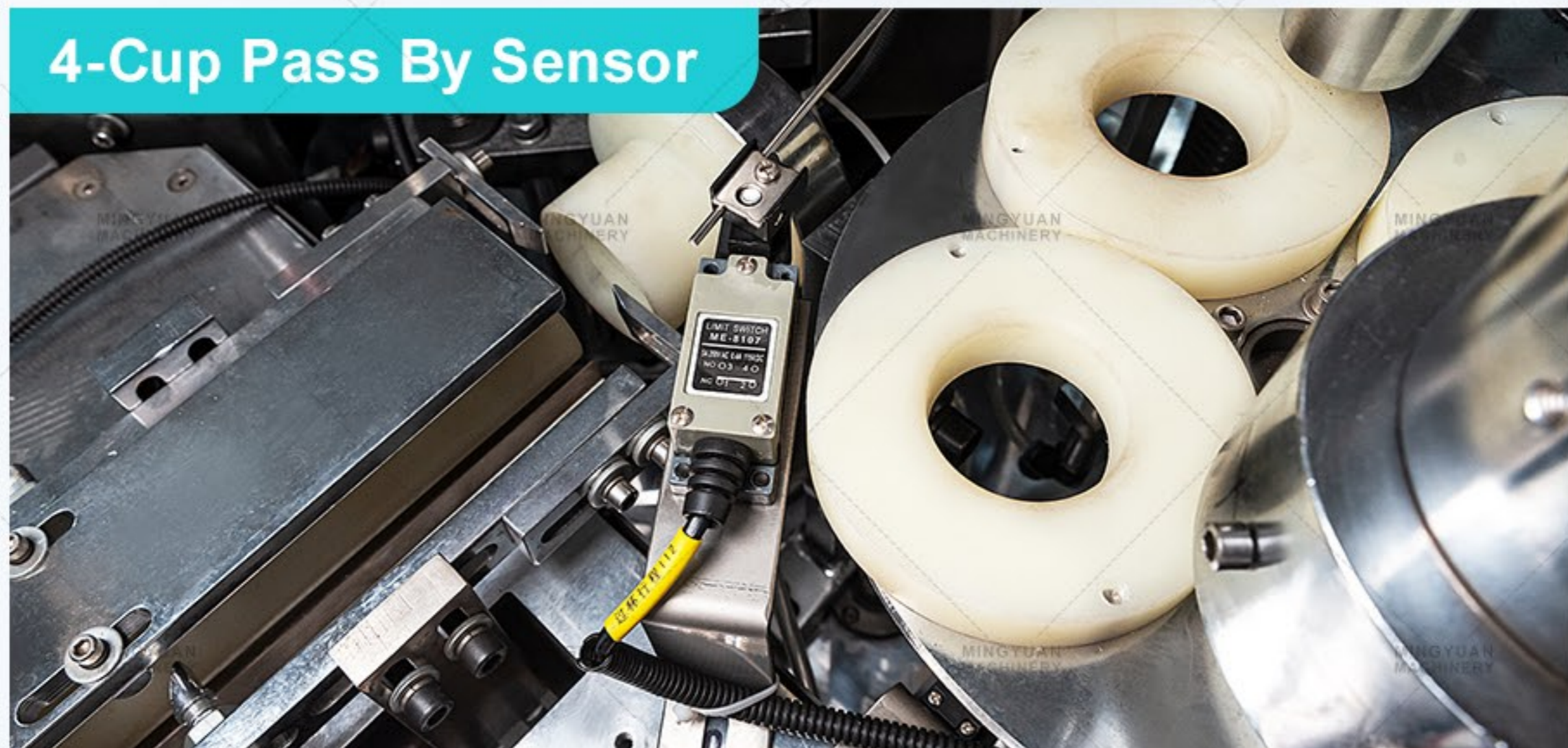
If the sensor detects the paper fan , it will send the ultrasonic welding signal to seal the paper side

## 3-Cup Body Blocking Sensor



If the paper body get blocked or stuck in paper tube feeding, the sensor will send alarm and show errors information in touch screen

## 4-Cup Pass By Sensor



If the sensor detects that finished cup is not be discharged, it will send the alarm information

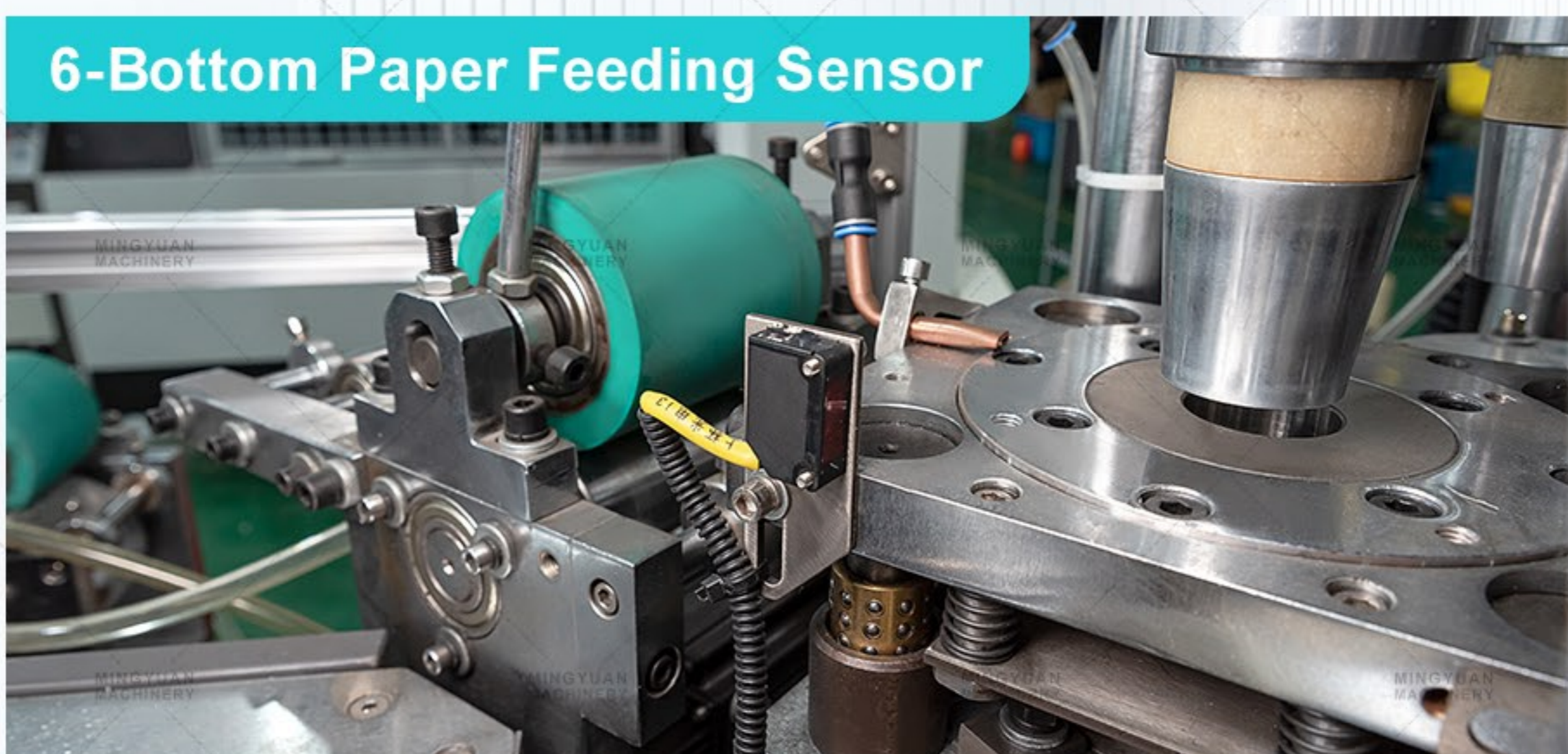


## 5-Cup Dropping Off Sensor



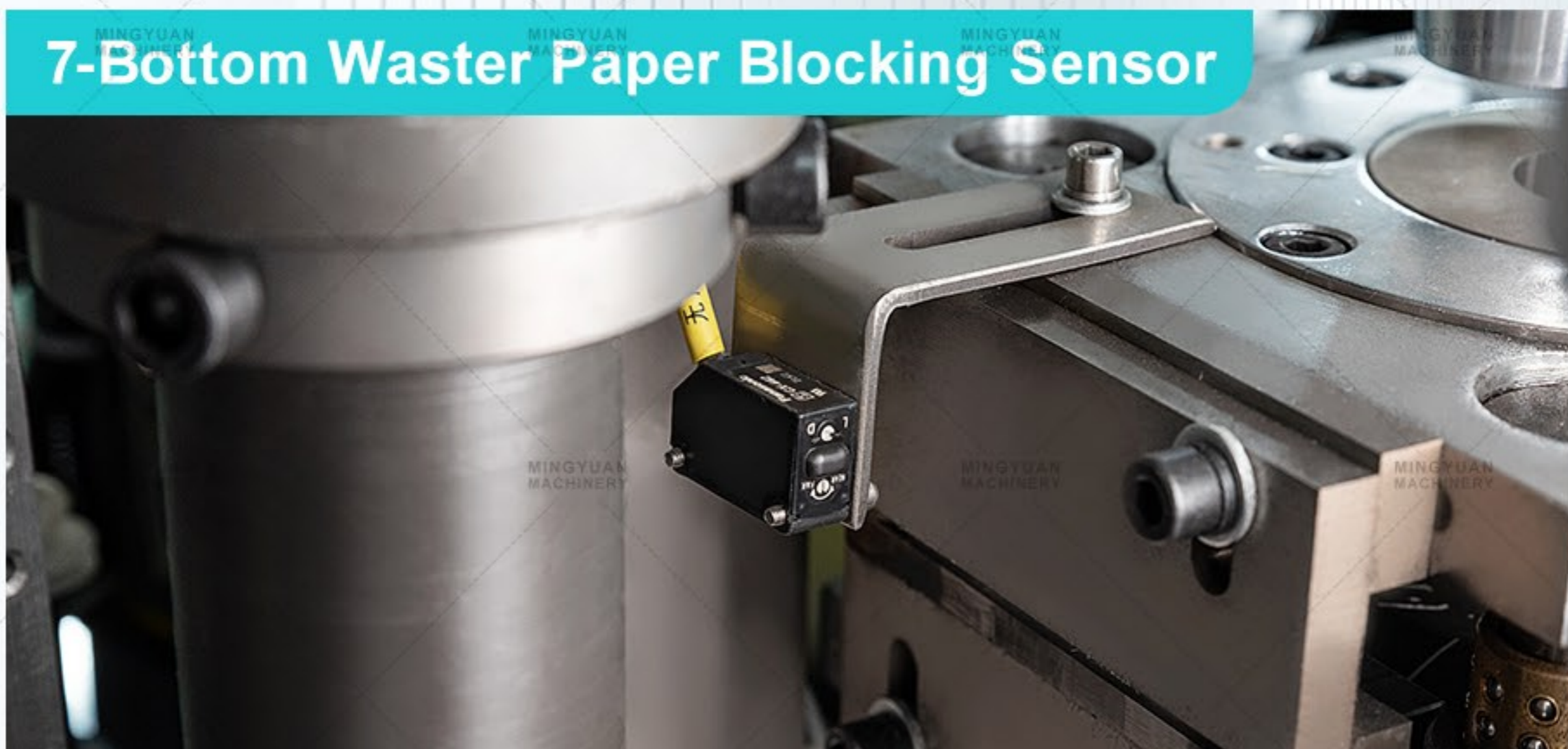
If the cups drop off from the mould , it will send the alarm

## 6-Bottom Paper Feeding Sensor



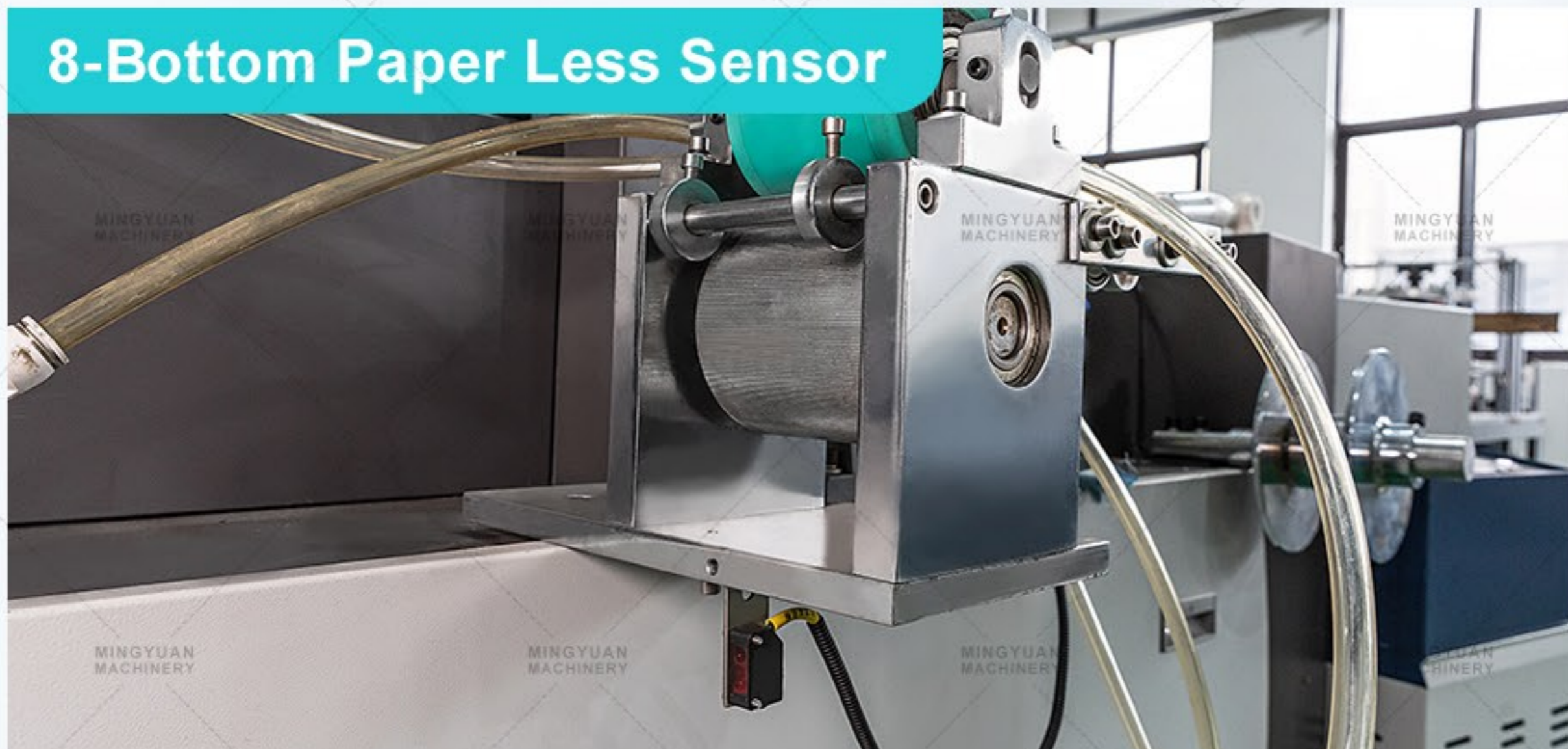
If it detects no cup in the mould , it will stop punching and feeding cup bottom

## 7-Bottom Waster Paper Blocking Sensor



If the bottom waster paper transferring gets blocked, it will send the alarm.

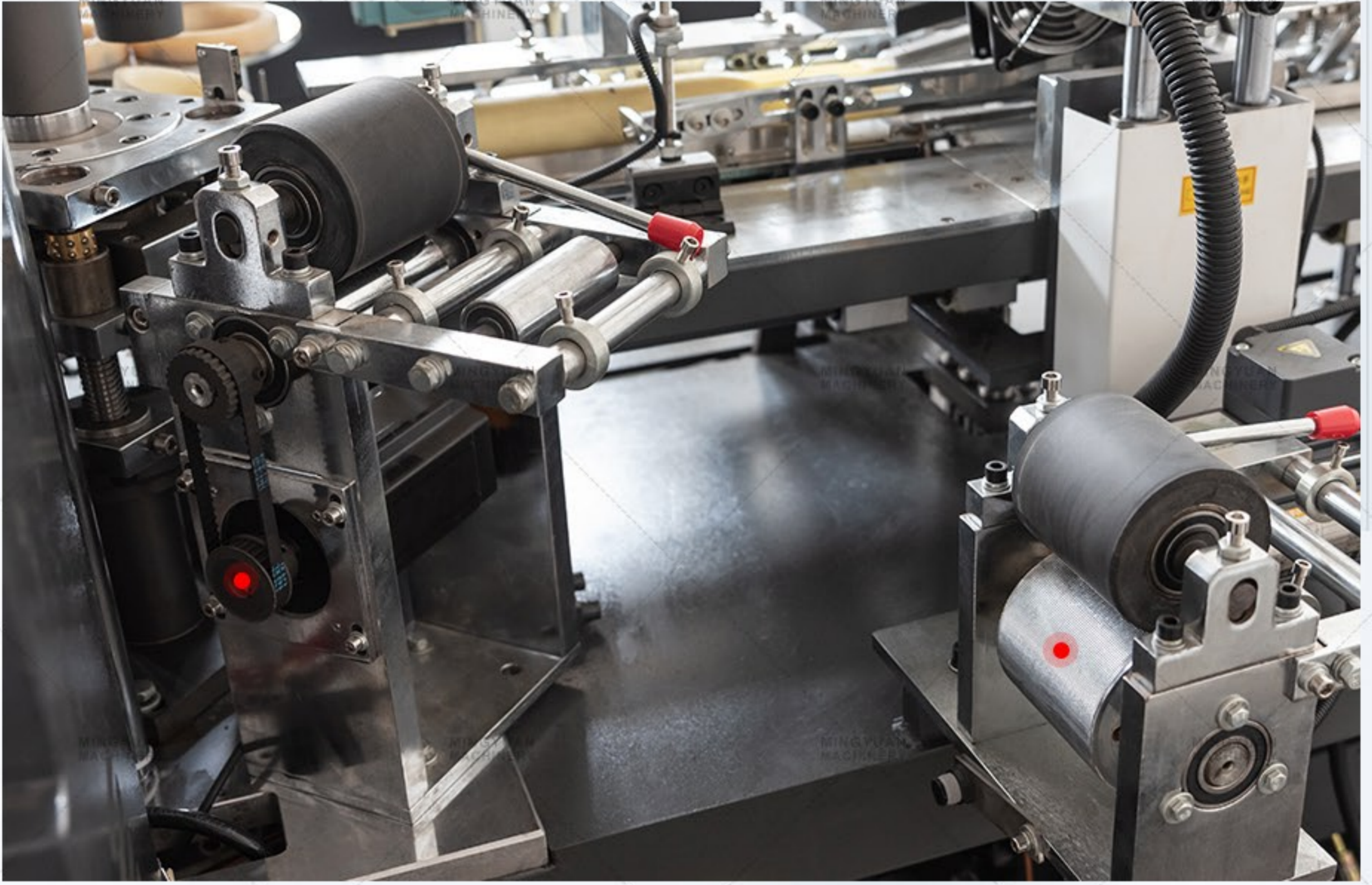
## 8-Bottom Paper Less Sensor



If the bottom paper is used up , the sensor will send alarm

# Servo Motor

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**SERVO MOTOR**



**STEPPING MOTOR**

The bottom paper feeding is controlled by servo motor and stepping motor, which greatly improve paper feeding in high precision and high efficiency way.

(more stable ,less troubles and save bottom paper)

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# Selling Points

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## Control Panel

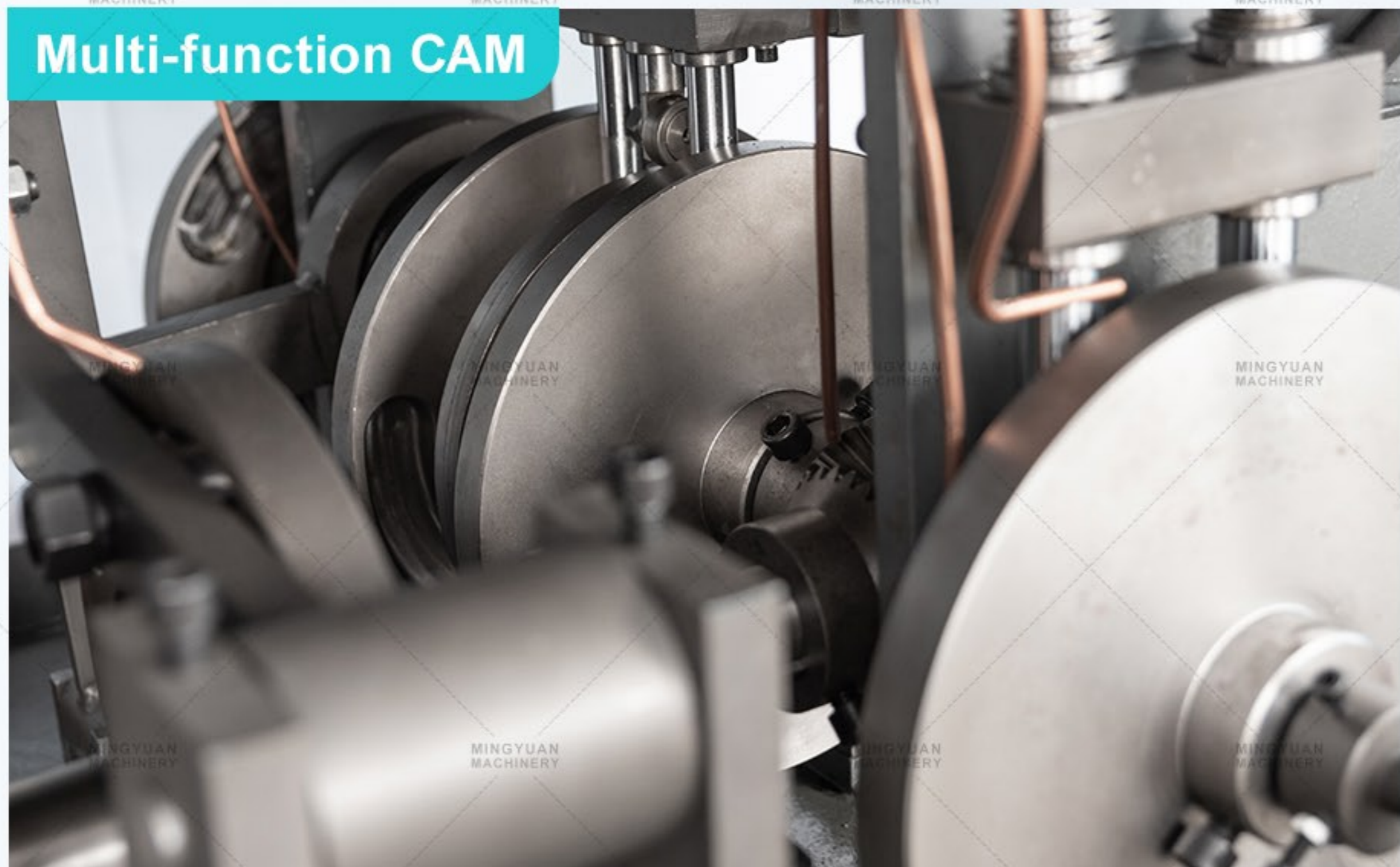


## Touch Screen



It adopts PLC controller and touch screen (man-machine interface) all the working parameters can be setup on the control panel which is convenient for parameter setting and adjusting. (easy operate)

## Multi-function CAM



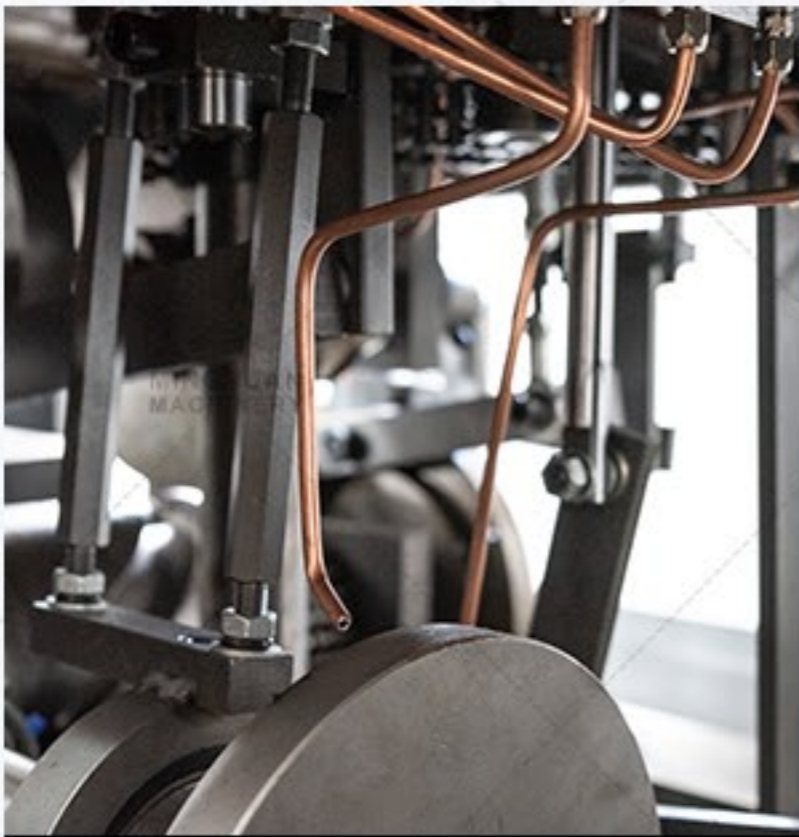
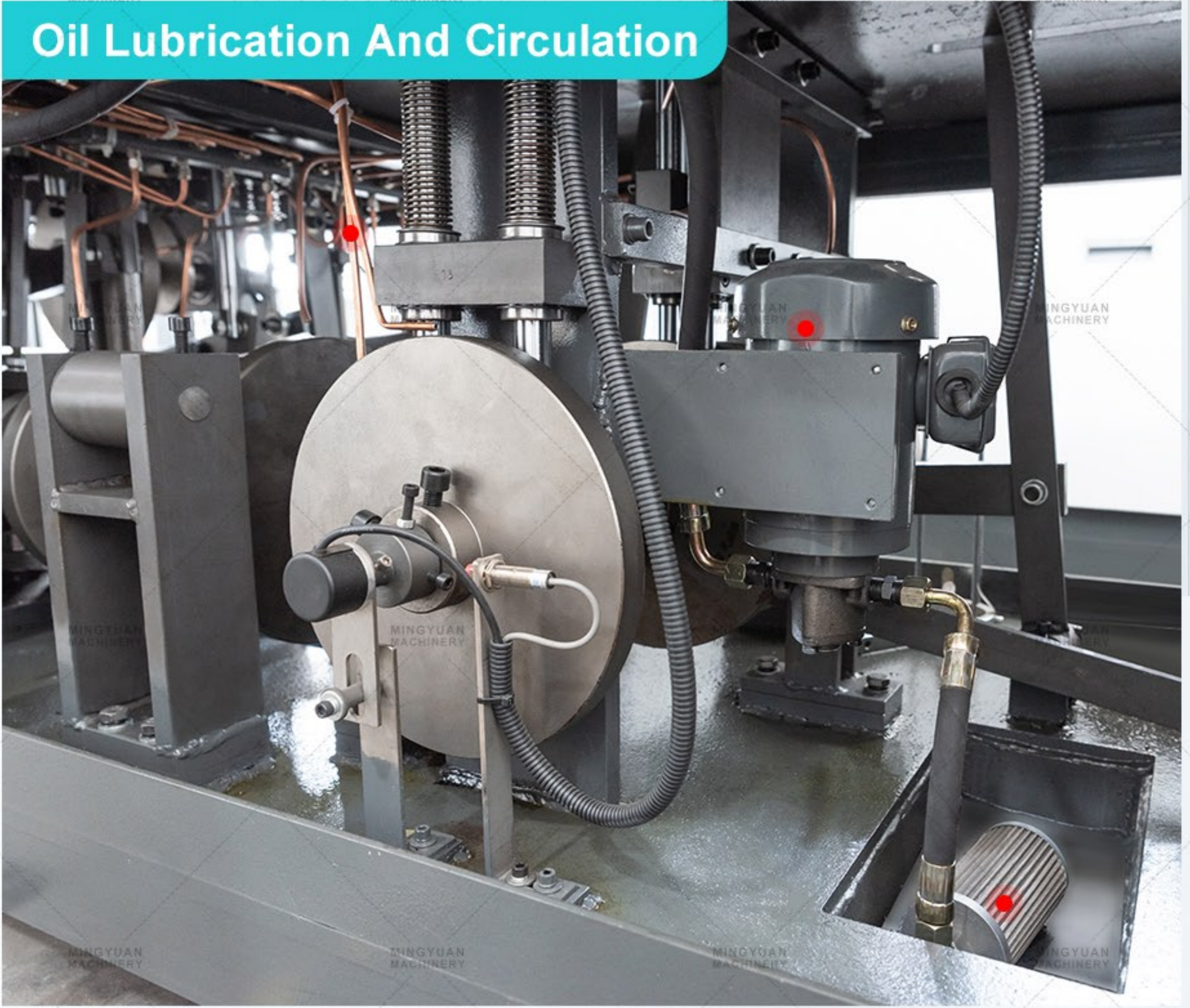
Three cams design are used to separately control the operation of the four spare parts which makes paper fan sealing more stable at high speed without troubles.

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# Selling Points

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## Oil Lubrication And Circulation



**COPPER PIPE**



**OIL MOTOR**



**FILTER**

The whole machine adopts automatic oil lubrication system ( oil circulation system is including oil motor, filter, copper pipe ) which makes all gear moving parts working at high speed much more smoothly and greatly Improve the service life of spare parts .

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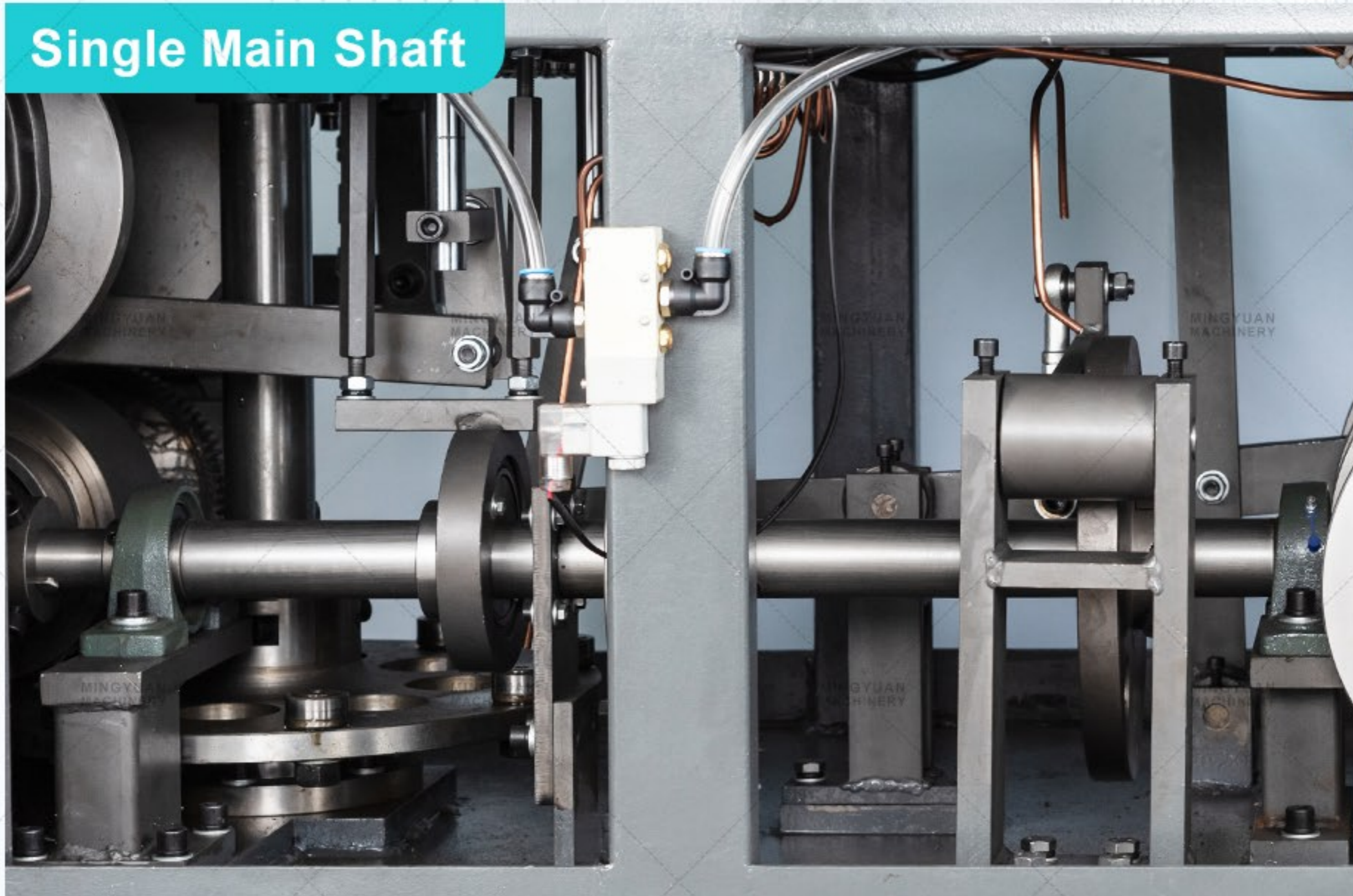
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## Single Main Shaft



All Cams building on Main shaft which keep sure machine running stable and spare without out of location

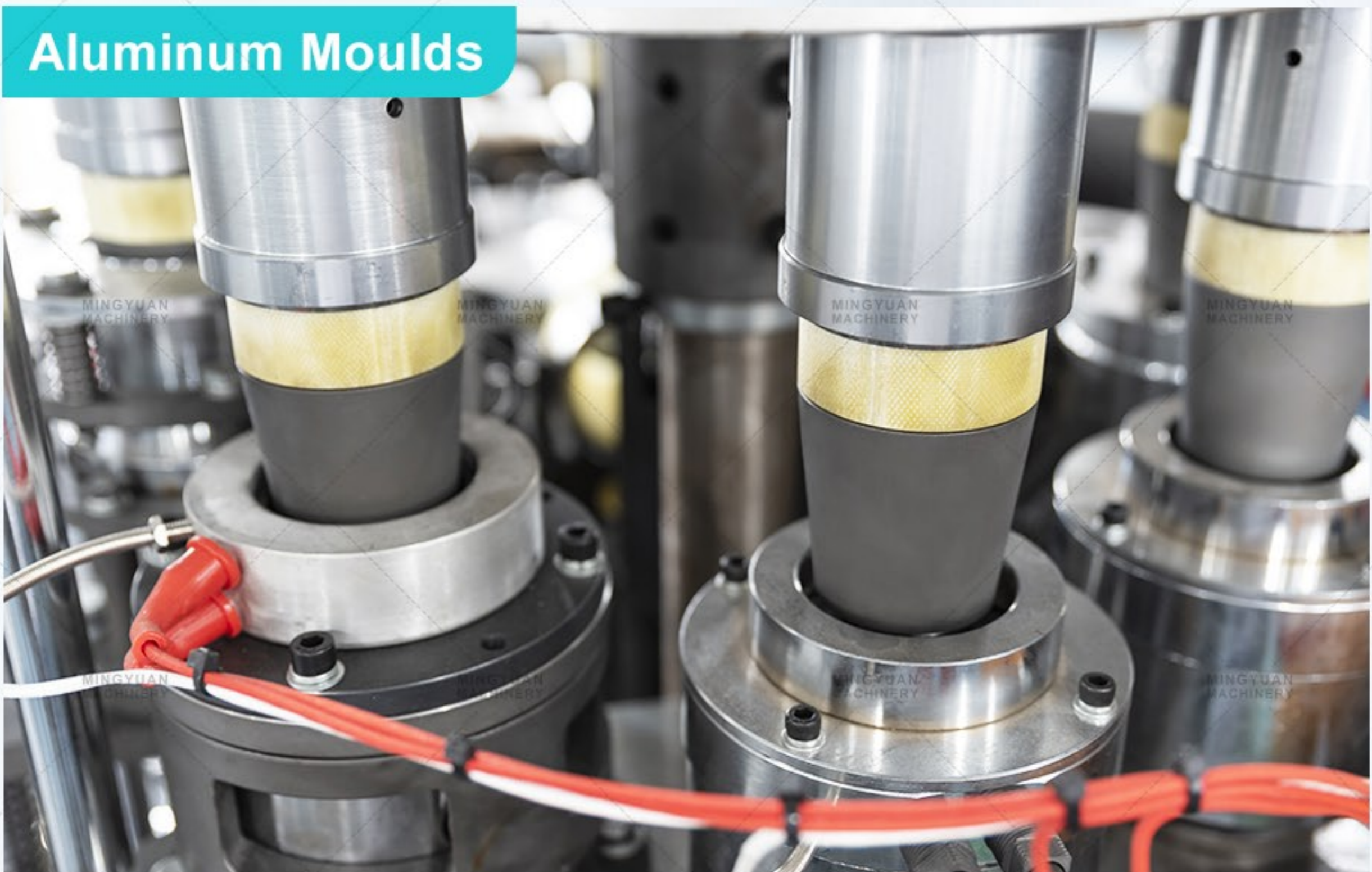
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## Aluminum Moulds



Support machine running speed higher

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# Machine Details

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## Safety Cover



Protection during the operation of the machine

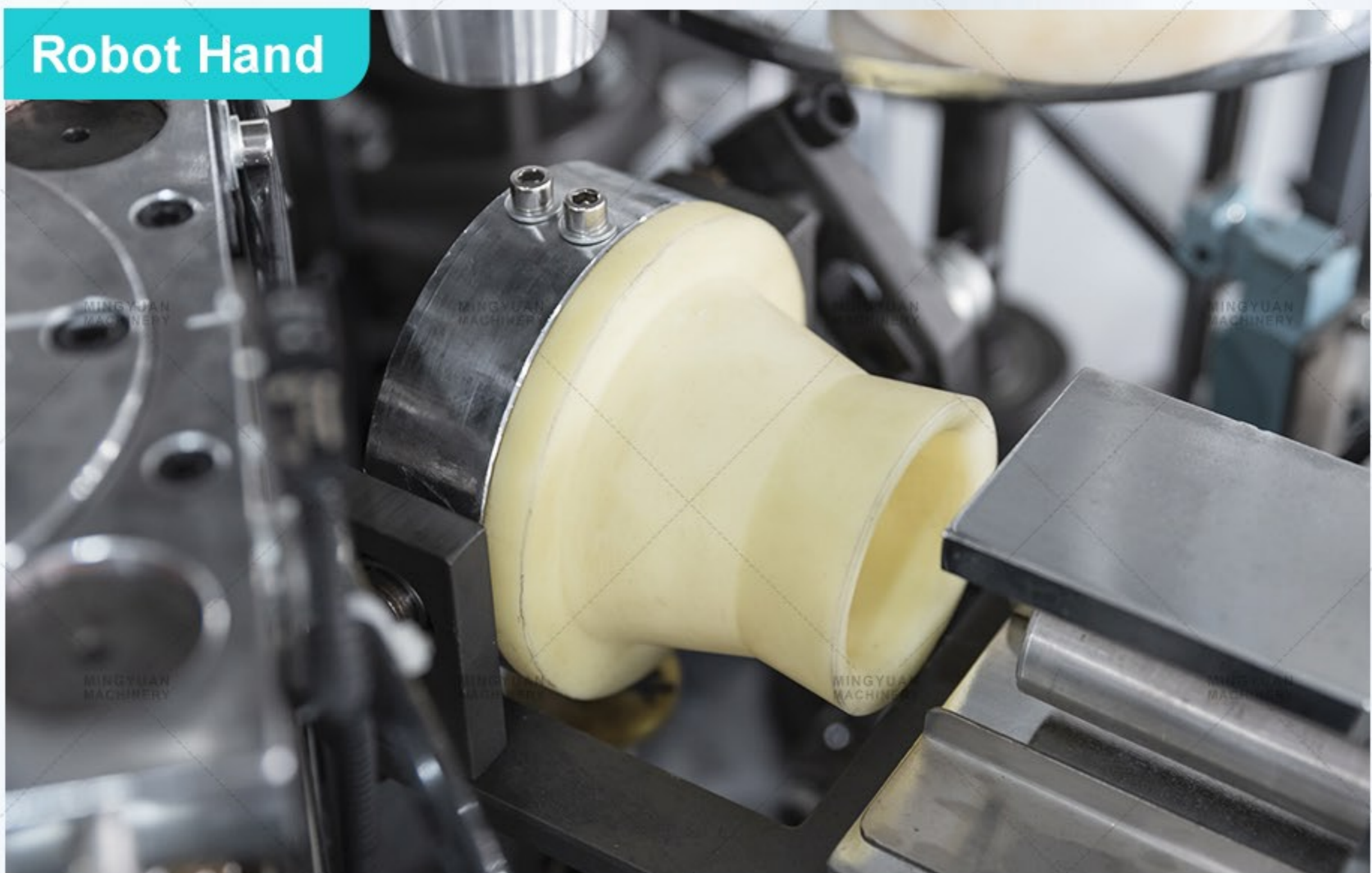
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## Robot Hand



Catch and remove bowls easily

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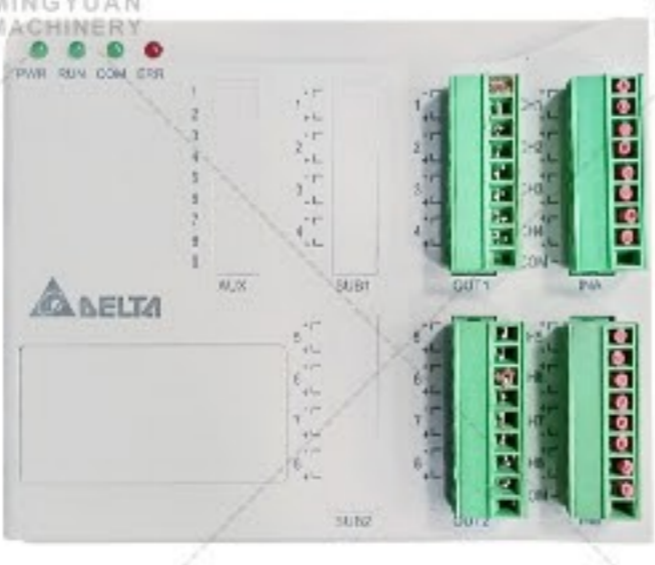
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# Electric Components List

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Brand	Picture	Name
		<b>AC CONTACTOR</b> 4 x PCS
		<b>PLC</b> 1 x PCS
		<b>SMALL RELAY</b> 4 x PCS
		<b>INVERTER</b> 2 x PCS
		<b>SERVO MOTOR DRIVER</b> 1 x PCS
		<b>PUSH BUTTON &amp; ROTARY SWITCH</b> 7 x PCS

# Electric Components List

Brand	Picture	Name
		<p><b>SWITCHING POWER SUPPLY</b> 1 x PCS</p>
		<p><b>CIRCUIT BREAKER</b> 2 x PCS</p>
		<p><b>CIRCUIT BREAKER</b> 1 x PCS</p>
		<p><b>PHASE SEQUENCE PROTECTOR</b> 1 x PCS</p>
		<p><b>SOLID STATE RELAY</b> 4 x PCS</p>
		<p><b>3-PHASE SSR</b> 1 x PCS</p>
		<p><b>TEMPERATURE MODULE</b> 1 x PCS</p>



# Free Tool Box

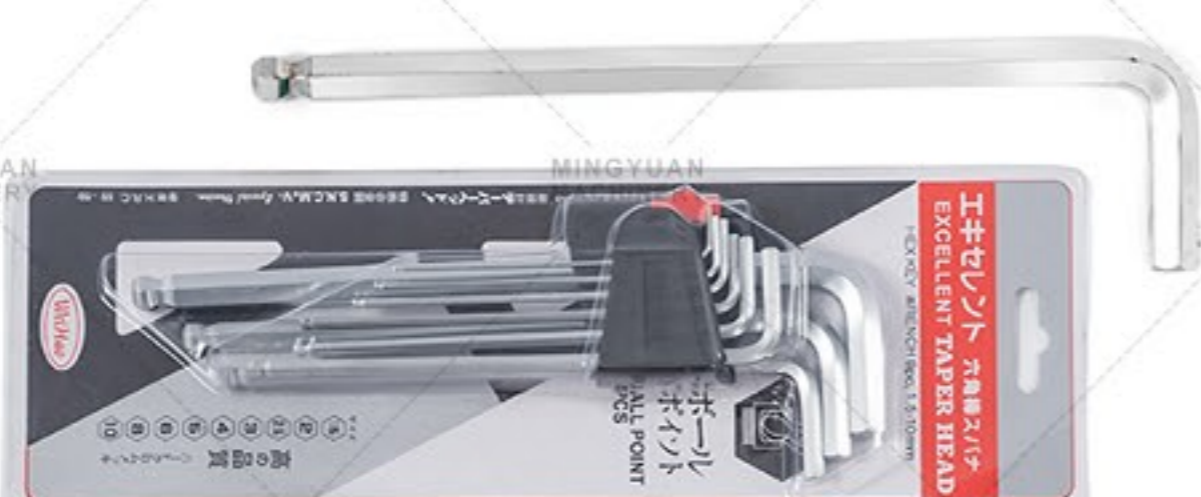
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Picture

Name



**NIPPER  
PLIERS**  
1 x PCS



**INNER  
HEXAGONAL  
SPANNER**  
1 x PCS



**OPEN-END  
WRENCH**  
1 x PCS



**SCREWDRIVER  
(+ -)**  
1 x PCS



**BOX END  
WRENCH**  
1 x PCS



**BEARING**  
1 x PCS



**ELECTRICAL  
TAPE**  
1 x PCS



**HAMMER**  
1 x PCS



**ADJUSTABLE  
SPANNER**  
1 x PCS



**OIL GUN**  
1 x PCS

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# Free Spare Parts

Picture

Name



**PREHEAT  
HEATING  
COLLAR**  
1 x PCS



**PREHEAT  
HEATING  
COLLAR**  
1 x PCS



**SUCKER**  
4 x PCS



**SPRINGS**  
2 x PCS



**SCREWS**  
1 x PCS



**ALUMINIUM  
HEATER**  
1 x PCS

# Rest Assured To Buy

We are a company  
with solutions

AFTER-SALES VIDEO

YouTube



## Warranty of Spare Parts

Spare Parts guarantee for  
one year since client  
received machine



## Technical Engineer Support

Send technician for installation &  
training, the cost cover by buyer  
(round ticket, accommodation,  
Salary of USD 150 Each day)



## Operation Manuals & Online Supports

We will provide the operation CD  
and manual, we also supply the 24 hours  
online service.



## Bussiness Support

We will offer the most professional  
suggestion to help you start and  
expand your business

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# Good Service Win Client Trust

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We will send the ultrasonic control box by DHL .

下午3:20 ✓✓

Hi Andy,  
Thanks for listening.  
In fact, you are fantastic. I will never change suppliers ...

 **Reliable Quality**

Ok, you, your Company is so much cooperative. I always remember your company.

下午2:49

 **Excellent Service**

Thank you. 下午2:50 ✓✓

Ok, Some one call me from Dhaka to know about machine. I tell him my experience.

下午3:02

de the production line will be fine .... we will buy you 5 more machines

07:55

 **Trustworthy**

dont worry, we have more than 12years exprience in manufacture and export

07:56 ✓✓

It will be a pleasure collaborate with you company ASAP

下午4:21

 **Pleasure Cooperation**

. It is nice to cooperate

下午4:22 ✓✓

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# Company View Image

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# Other Machine

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Intelligence Paper Cup Machine



High Speed Paper Lid Machine



Hydraulic Paper Plate Machine



Intelligence Paper Bowl Machine



Paper Cup Sleeve Machine



Intelligence Paper Bucket Machine