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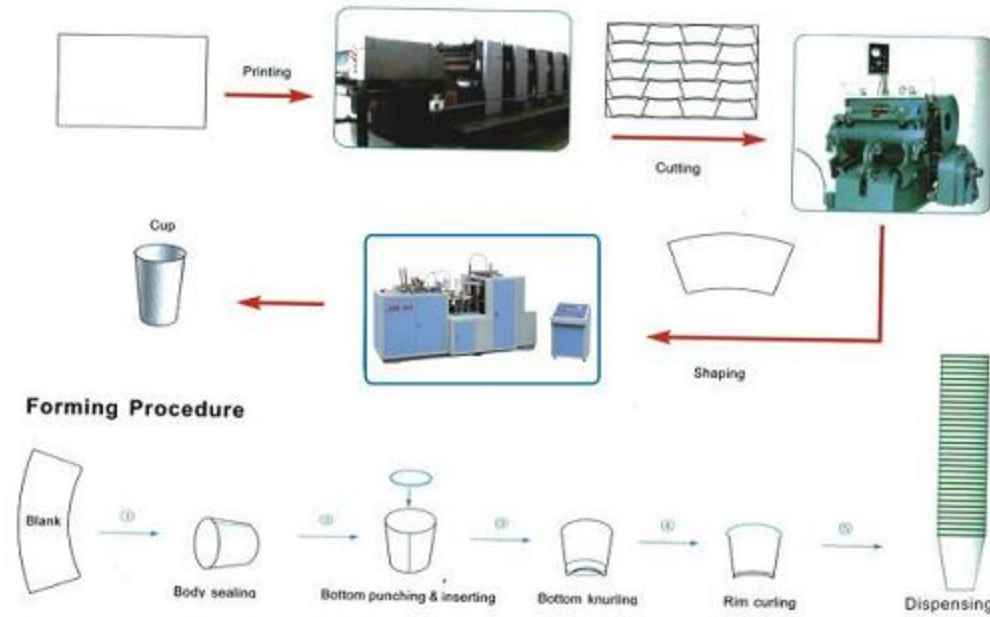
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**SAN (QINGDAO) MACHINERY CO., LTD**

## MANUFACTURING PROCESS



## JBZ-12H HIGH SPEED PAPER CUP MACHINE

### Description

JBZ-12H high speed paper cup machine is designed for quality users and products. It uses Panasonic PLC system, servo motor as well as Swiss-made Leister heating device to ensure easy operation and high performance. The machine is able to produce both single and double side PE coated paper cup.

### Technical specification

Model	JBZ-12H high speed paper cup machine
Cup size	6~16oz
Cup top diameter	60~110mm
Cup bottom diameter	50~70mm
Cup height	60~135mm
Bottom folding height	5~10mm
Capacity	70~80 cups/min
Main motor power	2.2kw
Heating power	8.6/13.2kw
Air source	0.6m <sup>3</sup> /min, 0.6MPa
Raw material	190~350gsm (single or double PE coated paper)
Weight	3500kg
Dimension (mm) L×W×H	2700×1700×1700 (Machine) 740×400×1700 (Cabinet) 1150×650×2000 (Collector)



## JBZ-12D MIDDLE SPEED PAPER CUP MACHINE

### Description

JBZ-12D middle speed paper cup machine is improved from our normal speed machine. It uses Swiss-made Leister heating device to ensure high performance. The machine is able to produce both single and double side PE coated paper cup.



### Technical specification

Model	JBZ-12D middle speed paper cup machine
Cup size	6~12oz
Cup top diameter	70~90mm
Cup bottom diameter	40~70mm
Cup height	65~120mm
Bottom folding height	5~10mm
Capacity	60~70 cups/min
Main motor power	2.2kw
Heating power	8kw
Air source	0.4m <sup>3</sup> /min, 0.5MPa
Raw material	190~350gsm (single or double PE coated paper)
Weight	2500kg
Dimension (mm) L×W×H	2250×1400×1600 (Machine) 740×400×1700 (Cabinet) 1150×650×2000 (Collector)

## JBZ-30D MIDDLE SPEED PAPER BOWL MACHINE

### Description

JBZ-30D middle speed paper bowl machine is improved from our normal speed paper bowl machine. It uses Swiss-made Leister heating device to ensure high performance.



### Technical specification

Model	JBZ-30D middle speed paper bowl machine
Cup size	20~50oz
Cup top diameter	100~145mm
Cup bottom diameter	70~120mm
Cup height	60~110mm
Bottom folding height	5~10mm
Capacity	50~65 cups/min
Main motor power	2.2kw
Heating power	8kw
Air source	0.4m <sup>3</sup> /min, 0.5MPa
Raw material	190~350gsm (single or double PE coated paper)
Weight	3000kg
Dimension (mm) L×W×H	2300×1550×1650 (Machine) 740×400×1700 (Cabinet) 1150×650×2000 (Collector)

## JBZ-S DOUBLE SIDE PE COATED PAPER CUP MACHINE

### Description

JBZ-S series double side PE coated paper cup machine is an automatic machine with multi-working station. It uses ultrasonic device for sealing, is able to produce double side PE coated paper cup, which is mainly used for ice cream or cold drinks.



### Technical specification

Model	JBZ-S12	JBZ-S16	JBZ-S22
Cup size	6~12oz	12~16oz	16~22oz
Top diameter	50~95mm	50~95mm	50~95mm
Bottom diameter	35~70mm	35~70mm	35~70mm
Cup height	50~120mm	80~150mm	100~175mm
Bottom folding height	≤10mm	≤10mm	≤12mm
Capacity	40~50 cups/min	35~45 cups/min	30~40 cups/min
Total power	6.5kw	8kw	8kw
Power source	380V, 50Hz (or as per customer's requirement)		
Raw material	Double side PE coated paper		
Weight	1600kg	1700kg	1900kg
Dimension (mm) L×W×H	2800×1350×1750 730×720×1300	3300×1450×1900 730×720×1350	3300×1450×2000 730×720×1350

## JBZ-A SINGLE SIDE PE COATED PAPER CUP MACHINE

### Description

JBZ-A series paper cup machine is an automatic machine with multi-working station. It is able to produce single side PE coated paper cup, which is mainly used for ice cream or hot drinks.



Model	JBZ-A04	JBZ-A12	JBZ-A16	JBZ-A22
Cup size	2~6.5oz	6~12oz	8~16oz	16~22oz
Top diameter	50~80mm	50~95mm	50~95mm	50~95mm
Bottom diameter	35~70mm	35~70mm	35~70mm	35~70mm
Cup height	30~60mm	50~120mm	80~150mm	100~175mm
Bottom folding height	≤10mm	≤10mm	≤10mm	≤12mm
Capacity	40~50 cups/min	40~50 cups/min	35~45 cups/min	30~40 cups/min
Total power	5kw	5kw	6kw	6kw
Power source	380V, 50Hz (or as per customer's requirement)			
Raw material	Single side PE coated paper			
Weight	1600kg		1900kg	
Dimension (mm) L×W×H	2800×1350×1750 730×600×1100		3300×1350×1900 730×600×1100	

## JBZ-NB PAPER CUP WITH HANDLE FORMING MACHINE

### Description

This machine makes paper cup forming and handle sticking together, which is more convenient for users. It is able to produce both single and double side PE coated paper cup with or without handle. For double side PE coated paper, ultrasonic device will be installed.

### Technical specification

Model	JBZ-NB paper cup with handle forming machine
Cup size	6~12oz
Raw material	Single or double PE coated paper
Cup height	50~120mm
Capacity	40~50 cups/min
Total power	6.5kw
Power source	380V, 50Hz (or as per customer's requirement)
Air source	0.2m <sup>3</sup> /min, 0.6MPa
Weight	1800kg
Dimension (mm) L×W×H	3200×1350×1800 800×750×1300



## JBZ-B OUTER WALL JOINTING MACHINE

### Description

JBZ-B outer wall jointing machine is used for sticking an outer sleeve for paper cup and bowl. It is suitable for plain paper and corrugated paper.

### Technical specification

Model	JBZ-B outer wall jointing machine
Bowl size	Paper cup 6~16oz, paper bowl 12~40oz
Capacity	32~45 cups/min
Total power	4kw
Power source	380V, 50Hz (or as per customer's requirement)
Air source	0.2m <sup>3</sup> /min, 0.6MPa
Weight	2000kg
Dimension (L×W×H)	3100×1250×1600 mm



## JBZ-D PAPER BOWL MACHINE

### Description

JBZ-D paper bowl machine is an automatic machine for producing various size paper bowls. The normal model is using heating sealing, for double side PE coated paper bowl, ultrasonic device needed.



### Technical specification

Model	JBZ-D paper bowl machine
Bowl size	20~50oz
Bowl top diameter	90~140mm
Bowl bottom diameter	70~110mm
Bowl height	50~110mm
Bottom folding height	6~12mm
Capacity	30~40 cups/min
Total power	13kw
Power source	380V, 50Hz (or as per customer's requirement)
Air source	0.2m <sup>3</sup> /min, 0.5MPa
Raw material	190~350gsm (single or double PE coated paper)
Weight	2300kg
Dimension (mm) L×W×H	3150×1580×1850 (Machine) 800×750×1300 (Cabinet)

## JBZ-W PAPER BARREL MACHINE

### Description

JBZ-W paper barrel machine is an automatic machine for producing big size paper barrels. The normal model is using heating sealing, for double side PE coated paper barrel, ultrasonic device needed.

### Technical specification

Model	JBZ-W paper barrel machine
Barrel size	16~170oz
Barrel top diameter	150~215mm
Barrel bottom diameter	120~160mm
Barrel height	120~210mm
Bottom folding height	≥12mm
Capacity	20~25 cups/min
Total power	18kw
Power source	380V, 50Hz (or as per customer's requirement)
Air source	0.5m <sup>3</sup> /min, 0.5MPa
Raw material	350~420gsm (single or double PE coated paper)
Weight	4000kg
Dimension (mm) L×W×H	4450×1650×2000 (Machine) 760×700×1300 (Cabinet)



## PYQ202C SEMI-AUTOMATIC DIE-CUTTING MACHINE

### Description

This is a simple machine used for cutting paper sheet for paper cup and plate production. Also it can be used for cutting other materials such as corrugated paper board, plastic, leather etc. in packaging industry.

### Technical specification

Model	PYQ202C Semi-automatic Die-cutting Machine
Area of press cutting	970×670mm
Working speed	23±2
Length of cutting line	<25m
Total power	4kw
Weight	2750kg
Dimension (L×W×H)	1800×1700×1700mm



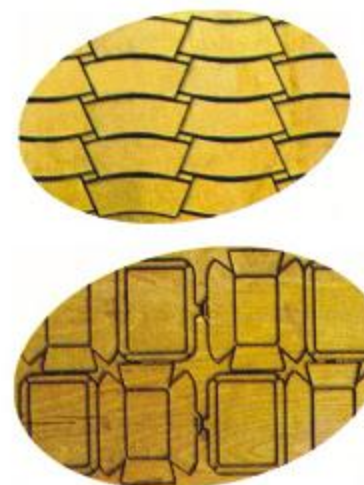
## JMQ930 HIGH SPEED DIE-CUTTING MACHINE

### Description

JMQ930 high speed automatic reel paper die-cutting machine is the professional equipment for cutting various sizes of paper sheets for paper cup and plate production. For easy operation and high performance, Panasonic PLC controlling system, touch screen and magnetic clutch is installed. The blade group is easy to change. The ready cut paper stacks automatically.

### Technical specification

Model	JMQ930 high speed die-cutting machine
Punching speed	60~110 times/minute depends on paper grammage
Raw material	150~450gsm paper roll
Diameter of paper roll	Max 1500mm
Max area of cutting	880×500mm
Length of cutting line	<25m
Air source	0.6m <sup>3</sup> /min, 0.8MPa
Total power	8.5kw
Power source	380V, 50Hz (or as per customer's requirement)
Weight	5500kg
Dimension (L×W×H)	4550×2100×1700mm



## JCQ850 HIGH SPEED PUNCHING MACHINE

### Description

JCQ850 high speed punching machine is used for preparing ready cut paper sheet for paper cup production. For easy operation and high performance, Panasonic PLC controlling system, touch screen and magnetic clutch is installed. The punching blade is made by manganese steel import from Europe. Ready cut paper sheet stacks automatically.

### Technical specification

Model	JCQ850 high speed punching machine
Punching speed	150~200 times/minute
Raw material	125~350gsm paper roll, width 360~850mm
Diameter of paper roll	Max 1500mm
Speed of paper feeding	>35m/min
Length of guide roll	950mm
Air source	0.5m <sup>3</sup> /min, 0.5MPa
Total power	8.5kw
Power source	380V, 50Hz (or as per customer's requirement)
Weight	3000kg
Dimension (mm) L×W×H	2900×1400×1700 (Machine) 700×700×1350 (Cabinet)



## ZDJ-300K HIGH SPEED PAPER PLATE MACHINE

### Description

ZDJ-300K high speed paper plate machine uses pneumatic components for plate forming. The machine has functions of automatic paper feeding, forming, ejecting and counting.

### Technical specification

Model	ZDJ-300K high speed paper plate machine
Diameter of plate	4~9 inch
Raw material	300gsm or more single and double PE coated paper
Capacity	80~100 pcs/min, two working stations
Air source	0.6m <sup>3</sup> /min, 1MPa
Total power	2kw
Power source	220V, 50Hz (or as per customer's requirement)
Weight	500kg
Dimension (L×W×H)	1480×1150×2050mm



## JXG-A ICE CREAM CONE FORMING MACHINE

### Description

This automatic machine is used for produce ice cream cone. By Swiss Robatech hot-melt glue, the paper is sealing on the cone mould.

### Technical specification

Model	JXG-A (standard type)	JXG-B (customized)
Capacity	Up to 180 pcs/min	
Raw material	100gsm plain paper, coated art paper, aluminum foil paper	
Minimum height	140mm	
Maximum height	220mm	255mm
Angle	15~22°	As per customer's requirement
Total power	2kw	
Power source	380V, 50Hz (or as per customer's requirement)	
Weight	1000kg	
Dimension (L×W×H)	1250×1150×1900mm 1000×600×850	



## JDGT CAKE TRAY FORMING MACHINE

### Description

This machine is used for produce various sizes of cake tray by changing mould. It has function of automatic paper feeding, pressing and discharging.

### Technical specification

Model	JDGT cake tray forming machine
Diameter of paper	55~130mm
Raw material	Oil-proof paper 30~40gsm
Capacity	15~20pcs/min, 20~40times/min
Air source	0.3m <sup>3</sup> /min, 0.6MPa
Total power	2.5kw
Power source	380V, 50Hz (or as per customer's requirement)
Weight	500kg
Dimension (L×W×H)	1500×1300×1400mm



## SJFM800-1800 HIGH SPEED EXTRUDE FILM COATING MACHINE

### Technical specification

Model	SJFM-1100	SJFM-1300	SJFM-1600
Length of mould lip	1200mm	1400mm	1800mm
Width of product	500~1000mm	600~1250mm	800~1500
Max extrusion speed	100~150m/min	100~150m/min	100~150m/min
Thickness of film	0.01mm~0.1mm	0.01mm~0.1mm	0.01mm~0.1mm
Max diameter of unwinding & rewinding	1200mm	1200mm	1200mm
Total power	70kw	80kw	100kw
Weight:	13000kg	17000kg	19000kg
Dimension (mm)	9600×7000×3200	9600×8000×3200	9600×9000×3200

### Description

This machine is used for coating single or double side PE film on paper, non-woven fabric, plastic membrane or aluminum etc. The finished product is widely used in paper cup production, food and medicine packaging.



### SJFM SERIES DOUBLE EXTRUDER PE FILM COATING MACHINE



#### Description:

SJFM Double Extruder PE Film coating Machine is based on foreign advanced technique. It can coat the PE film on double sides of base material at one time. This advanced model can make double side PE coated paper and other materials.

#### Technical specificatin:

Specification \ Model	SJFM-800S	SJFM-1100S	SJFM-1300S	SJFM-1600S	SJFM-1800S
Speed (m/min)	100-150	100-150	100-150	100-150	100-150
Coating width	500-900mm	600-1050mm	600-1250mm	800-1500mm	1000-1750mm
Thickness of film	0.01-0.10mm			0.013-.010mm	
Extruding quantity(kg/h)	(10-150)/(20-150)	(10-180)/(20-180)	(10-200)/(20-200)	(10-250)/(30-250)	(10-280)/(30-280)
L/D ratio for screw	ø90(28:1/28:1)	ø95(30:1/30:1)	Ø105(30:1/30:1)	Ø105(32:1/32:1)	Ø110(33:1/33:1)
Total power	50/60kw	60/70kw	70/80kw	80/90kw	90/100kw

### DJF1100-1700 HIGH-PRECISION COMPUTERIZED TRANSVERSE AND LONGITUDINAL CUTTING MACHINE

#### Description:

This machine is suitable for cutting roll material, such as paper, paper plastic complex material and color printing complex material, etc. It is widely used in the industries of paper processing and printing packaging.

#### Application range:

This machine can cut roll material in longitudinal direction and transverse direction. It is suitable for cutting roll materials of printed paper, paper-plastic compound to paper sheet, trademark, wall calendar, playing cards. It has functions of length/width adjusting, tension controlling, automatic feeding & stacking, product counting, photoelectric tracking, failure alarm etc.

#### Technical specificatin:

Speed for transverse cutting	80-100m/min
Width of transverse cutting	200-1300mm
Length of transverse cutting	20-1500mm
Precision	±0.3mm/pcs
Movement stroke of machine	20-150times/min
Power of main motor	4.5kw



### QFJ1100-1600 MICROCOMPUTER HIGH-SPEED PAPER SLITTING MACHINE

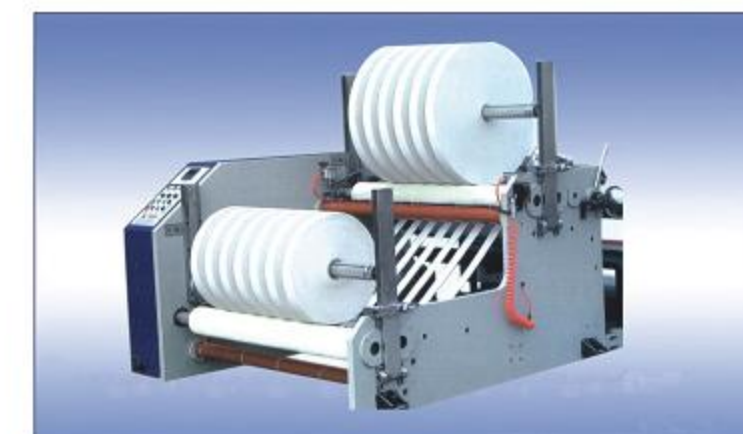
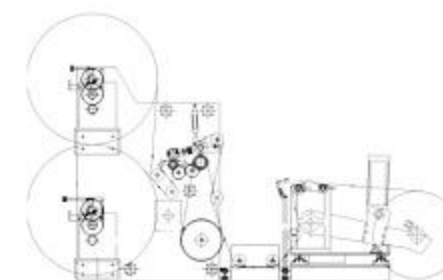


#### Description:

This machine is suitable for slitting big roll materials, such as paper, plastic films, cloth and all kinds of paper plastic compound material like laminated paper, coated paper, synthetic leathers etc

#### Performance and characteristics

1. Use round blade for slitting, featuring in high precision and easy operating.
2. A/B shaft rewinds independently, easy for install and unmount.
3. Use air-expansion shafts for unwinding and rewinding. Magnetic powder clutch is installed for tension control, the rewinded product is finished orderly and compact.
4. Material feeding unit equips with automatic pneumatic lifting device.
5. Automatic device for collecting discarded paper.
6. This machine uses frequency speed control, microcomputer controlling system, imported photoelectric rectifying device for reliable running.



#### Technical specificatin:

Model	QFJ-1100A	QFJ-1300A	QFJ-1600A
Max. unwinding diameter	1400mm	1400mm	1400mm
Max. width of slitting	1100mm	1300mm	1600mm
Max. rewinding diameter	800mm	800mm	800mm
Min. width of rewinding	20mm	20mm	20mm
Speed	10-150m/min		
Slitting accuracy	±0.2mm		
Power supply	380v/50Hz/10kw	380v/50Hz/10kw	380v/50Hz/10kw
Air supply	Maximum 0.55MPa×0.5m <sup>3</sup> /min		