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# FROM RAW MATERIAL TO MACHINERY...

#### It takes knowledge and experience to provide impactful services...

Stamper;

Creates alternative channels through its supply network that produces quick and hassle-free solutions for raw material needs, a major issue for manufacturers.

Knows, analyzes and guides all the machine parks that employ the latest in technology, thus helping its customers extend their product portfolio.

Combines its available sectoral experience with high-quality products manufactured by giant facilities and puts them at the disposal of its customers.

Provides top-level sustainable services to all its customers that fall short in establishing manufacturing plants through the machinery produced under its own brand.



#### **STP-520 Paper Forming Machine**

is equipped with new technology, more consistent performance, saved paper wastage and electricity. PLC controls operator interface, temperature control, motion control, timing logic, remote access are capable of performing each operation. STP-520 is more safely and easier processing with humanized structure. Adopt high efficiency hydraulic cylinder, Can reach 15 tons pressure, comparing with pressure cylinder, it is more environmental and faster.

# **STP-520 Paper Forming Machine Benefits**

- 1. Lock protection for process security at every point.
- 2. Can make plate, deep bowls, curled tray, paper plate, etc.
- 3. Adopt hydraulic cylinder perfect forming.
- 4. Adjustable vacuum level for different size and material.
- 5. Paper feeding and unloading systems consist of conveyor belt systems.
- 6. 100% finished product ratio, can produce different kinds products.
- 7. STP-520 is hydraulic machine.
- 8. Changing molds is easier.

Machine Specifications	
Maximum Number Wide Operation	3 - wide
Maximum Forming Depth	60,2mm
Maximum Forming Pressure	15 ton
Maximum Forming Die Set Area 497 x 930mm	
Air Consumption	112m³/h

Machine Size	
Length With Counter	4507mm
Width	1309mm
Height	2338mm
Counter-stacker Discharge Height	580mm
Weight (Approx.) Machine & Counter-Stacker	4640Kg
Inside Framerail To Framerail	605 x 1040mm

#### **Product Samples**





Parameters of Technical Specifications		
Size of Plates	76 - 300mm or as order mold changeable	
Material	200 - 1000gsm original paper white board, white card or aluminum foil, PP PS etc.	
Thickness of Paper	300 - 1200mic	
Speed	50 - 60pcs/min (1die)	
Production Speed	30 - 35pcs/min (1die)	
Production Speed Rim	10 - 12pcs/min	
Maximum Number Wide Operation	3 (Standard)	4 (Optional)
Power Supply	380V A.C.	
Total Power	29,75Kw	
Machine Weight	4200Kg	
Measurement (L*W*H)	4314,5 x 2240 x 2260mm	
Air Supply	6 bar	

Electrical Specifications	
Control Cabin Includes	SCHNEIDER - SIEMENS
PLC	S7 - 1200 Siemens
НМІ	KTP 1200 Siemens
Relays & SSRs	Omron + Carlo Gavazzi
Sensors	Sick + Pepperl Fuchs
Hydraulic System	Rexroth
Pneumatic System	Festo
Standard Input Specifications (other voltages & frequencies are available upon request)	380V, 3Ph, 50Hz
Hydraulic Power Unit	17,5Kw
Cooling System	0,75Kw
Stacker Motors	0,55Kw x 2
Programmable Control System	24V Dc 10A
Die Heaters (driven by SSR)	220V, 1Ph, 50Hz, 8Kw

Blank Size	
Blank Magazine Capacity	600mm
Blank Magazine Fill Height	1900mm
Maximum Blank Length	635mm
Maximum Round Blank Diameter 2 Wide	300mm
Maximum Round Blank Diameter 3 Wide	191mm
Maximum Rectangle Blank Width 2 Wide	274mm
Maximum Rectangle Blank Width 3 Wide	168mm

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# SP-500 AUTOMATIC PAPER PLATE MACHINE



**SP-500** is equipped with new technology, more consistent performance, saved paper wastage and electricity. **SP-500** is more safely and easier processing with humanized structure. Adopt high efficiency hydraulic cylinder, Can reach 8 tons pressure, comparing with pressure cylinder, it is more environmental and faster. **SP-500** is working with 2 dies.

#### **SP-500 Automatic Machine Benefits**

- 1. Can make paper plate and deep bowls.
- 2. Adopt hydraulic cylinder perfect forming.
- 3. With stable performance and the defective can reach 0.0001.
- 4. More humanized, automatic counting system can take place half manual work.
- 5. 100% finished product ratio, can produce different kinds products.

Parameters of Technical Specifications		
Size of Plates	76 - 300 mm or as order mould changeable	
Material	160 - 1000 gsm original paper white board, white card or aluminum foil, etc.	
Thickness of paper	160 - 1000 gsm	
Speed	55 - 75 pcs/min (1die)	
Production Speed	45 - 50 pcs/min (1die)	
Power supply	380 W, 50 hz	
Total power	9 KW	
Machine weight	2000 kgs Air supply	
Measurement (L*W*H)	3600 mm* 1800 mm* 1800 mm	
Air supply	0.5 MPA 0.3m³/min	

## **Product Samples -**



Electrical Parts	
Frequency converter	Schneider
PLC	Schneider
Relay	IDEC
Switch button	Schneider
Hydraulic System	AST

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SP-500B is equipped with new technology, more consistent performance, saved paper wastage and electricity. SP-500B is more safely and easier processing with humanized structure. Adopt high efficiency hydraulic cylinder, Can reach 10 tons pressure, comparing with pressure cylinder, it is more environmental and faster. Paper taking part of the machine is designed efficiently with hydraulic servo it contribute continuity and rapid.

SP-500B is working with 2 dies.

#### **SP-500B Automatic Machine Benefits:**

- 1. Can make plate and deep bowls.
- 2. Adopt hydraulic cylinder perfect forming.
- 3. With stable performance and the defective can reach 0.0001.
- 4. More humanized, automatic counting system can take place half manual work.
- 5. 100% finished product ratio, can produce different kinds products.
- 6. SP-500B is hydraulic servo machine.
- 7. Changing moulds is easier.

SP-500B Automatic Machine Benefits		
Size of Plates	76 - 300 mm or as order mould changeable	
Material	160 -1000 gsm original paper white board, white card or aluminum foil, etc.	
Thickness of paper	160 - 1000 gsm	
Speed	55 - 75 pcs/min (1die)	
Production Speed	45 - 50 pcs/min (1die)	
Power supply	380 W, 50 hz	
Total power	9 KW	
Machine weight	2000 kgs	
Measurement (L*W*H)	H) 3600 mm* 1800 mm* 1800 mm	
Air supply	0.5 MPA 0.3m <sup>3</sup> /min	





Electrical Parts	
Frequency converter	Schneider
PLC	Schneider
Relay	IDEC
Switch button	Schneider
Hydraulic System	AST

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# **SP-600 AUTOMATIC PAPER PLATE MACHINE**



SP-600 automatic paper plate machine is development technology and design, which is automatic feeding paper, heating, forming, constant temperature and automatic counting system. SP-600 can produce all types of paper plates and trays such as round, rectangular etc. Machine is equipped with new technology, more consistent performance, saved paper wastage and electricity. **SP-600** is more safely and easier processing with humanized structure. High efficiency hydraulic cylinder can reach 20tons pressure it is especially for making big and deep plates. SP-600 is working with 1 die.

#### **SP-600 Automatic Machine Benefits**

- 1. Can make deeper plates (trays), better to produce paper bowls.
- 2. Adopt hydraulic cylinder perfect forming.
- 3. With stable performance and the defective can reach 0.0001.
- 4. More humanized, automatic counting system can take place half manual work.
- 5. 100% finished product ratio, can produce different kinds products.

SP-500B Automatic Machine Benefits		
Size of Plates	76-400mm or as order mould changeable	
Material	160 -1000 gsm original paper white board, white card or aluminum foil, etc.	
Thickness of paper	160 - 1500 gsm	
Speed	20 - 40 pcs/min (1die)	
Production Speed	12 - 20 pcs/min (1die)	
Power supply	380 W, 50 hz	
Total power	4.5 KW	
Machine weight	1500 kgs	
Measurement (L*W*H)	2550 mm* 1550 mm* 1900 mm	
Air supply	0.5 MPA 0.3m³/min	

#### Product Samples \_\_\_\_\_









Electrical Parts	
Frequency converter	Schneider
PLC	Schneider
Relay	IDEC
Switch button	Schneider
Hydraulic System	AST

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**SC-90** is used with two cam systems, this design can let the top curling and bottom curling more accuracy, stable and low noise. Before set up on the machine, our factory will test running one week to ensure each bearing at the suitable station. Gear drives ensure the machine to work with high speed with low noise. 2 set of hot air systems can decrease the rate of leakage. The oil circuit adds clear the oil and filtering system to clean the oil automatically we are using double layer plate to avoid the scraps of paper into the machine's inside. Each Production step have camera any step have problem will be showed on PLC.

#### **SC-90 Automatic Machine Benefits**

- 1. Distinguish problems is easier with cam systems and detecting elements.
- 2. High speed and low noise.
- 3. Systems for decrease leakage.
- 4. Strong and quality materials.
- 5. Machine is fully equipped with safety elements.

#### **Product Samples** -







Parameters of Technical Specifications	
Size of Cups	Top Diameter: 60 mm (min) - 115 mm (max) Bottom Diameter: 40 mm (min) - 85 mm (max) Height: 50 mm (min) - 180mm (max)
Material	135 - 450 gr
Speed	100 - 120 pcs/min
Power supply	380 W/220 W,50 hz/60 hz
Total power	12 KW
Configuration	Ultrasonic and Hot Air System
Machine weight	3400 kgs
Measurement(L*W*H)	2500 mm* 1800 mm* 1700 mm
Measurement of Cup Collector	900 mm* 900 mm* 1760 mm
Air supply	0.4 m <sup>3</sup> /min 0.5 MPA

Electrical Parts	
Contactor/Button/Thermal Protector	Schneider
PLC/Servo Motor	Mitsubishi
Inspection system/Photo electrical	Panasonic
Transducer	Panasonic
Relay	IDEC
Switch button	Schneider
Hot Air System	Leister/Banko
Temperature Controller/Encoder	Autonics
Ultrasonic	Evengreen/Rongzhen

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# SC-600H PAPER CUP with HANDLE MACHINE



SC-600H is able to make single and double PE coated beverage, ice cream cups, coffee cups, bubble tea cups and more. In addition to that, this integrated automatic paper forming machine combines all these processing procedures together: paper feeding, sealing, bottom cutting, lubricating, heating, knurling, curling and collecting. Outfitted with a handle applicator, this product completes the handle cutting and sealing automatically. It will save you a lot on time and man power.

#### **SC-600H Automatic Machine Benefits**

- 1. The machine adopts open cam type structure, high precision, large out-put and long life.
- 2. Whole machine is box type structures design, filling oil by spray lubrication system so the machine can run fast and stably.
- 3. Photoelectric failure-detecting system is available. PLC control system for the whole cup forming process.
- 4. Servo control to send bottom paper of cup, deliver bottom when cup tube come, otherwise no bottom delivery.
- 5. Stretch knife uses for bottom cutting. Easy changed and more stable.

#### **Product Samples**



SP-500B Automatic Machine Benefits		
Size of Cups	Top Diameter: 55 mm (min) - 85 mm (max) Bottom Diameter: 55 mm (min) - 70 mm (max) Height: 60mm (min) - 135 mm (max)	
Material	150 - 350 gsm single/double PE coated paper	
Speed	60 - 85 pcs/min (for handle max is 70pcs/min)	
Power supply	220 V/380 V	
Total power	7 KW	
Machine weight	3000 KG	
Measurement (L*W*H)	2800 mm* 1300 mm* 1850 mm	
Air supply	0.5-0.8 MPa, 0.4 cbm/min	

Main Parts	
Driver	Siemens
PLC	Siemens
Sensor	Moron
Relay	Siemens
Touch Screen	Siemens
Main motor	Libao
Knurling and Bottom motor	Taibang
Ultrasonic	Ever Green

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**SDQ-900** Roll automatic punching machine is a good choice for punching and die cutting paper cup fan with different size by changing molds, high speed and good performance with stripping. It is the best associated equipment for flexo printing machine.

# **Product Samples**

# SDQ-900 Roll Punching Machine

- 1. The center gravity of rubber roller move forward to stabilize the machine structure, and shorten the distance of feeding paper. That minimizes jitter; makes sure paper feeding stable and fast.
- 2. The front rubber roller adjusts the balance of paper in horizontal direction.
- 3. Instead of two links, new type die punching machine adopts four links. The metal die connected by four joints, the support force enhanced. It prolongs machine life, improves the stability; and significantly reduces the noise when machine is running.
- 4. Automatic oil injection system. It can be set by two hours one time, to reduce the machine abrasion, prolong machine life.







# **Parameters of Technical Specifications**

Technical Specification		
Туре	SDQ - 900	
Max Die Cutting Size	870*350 mm	1150*350 mm (optional)
Max Roll paper diameter	1800 mm	
Production capacity Japan Die:	200 - 240 times/min (200.000.000 times cutting)	
Production capacity Germany/Switzerland Die:	300 - 380 times/min (600,000,000 times cutting)	
Suitable Material:	120 - 450g/m² PE coated pa	per, white cardboard paper
Power:	9 KW	
Total Weight:	3580 KG	
Overall Dimension:	3200 x 1800 x 1600 mm	
Working Air Source:	Air pressure: 0.4 - 0,5 MPA	

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# SD-950/1200 HIGH SPEED ROLL DIE CUTTING MACHINE



PY-950/1200 is an ideal and professional machine in die-cutting, creasing, embossing and full-stripping various PE coated paper, normal paper, corrugating paper and plastic material. It applies to paper cup, paper box, medical package, wine package, food package and other environmental protection products. It adopts micro-computer, HMI, servo positioning, alternating current frequency converter, automatic counting, photoelectric rectifying, and pneumatic lock cutting plate, electromagnetic clutch, centralized oil lubrication, overload protection and distinctive gearing. All of these is the guarantee of steady pressure, precise positioning, smooth running, safety and reliability operation.

## **Product Samples**





# **Parameters of Technical Specifications**

Technical Specification		
Туре	SD-950	SD-1200
Paper Convey Width:	950 mm - 400 mm	1200 mm - 400 mm
Max Roll paper diameter	1800 mm	
Cut Precision:	± 0.10 mm	
Production capacity	150 - 200 times/min	
Maximum cutting size:	950 x 540 mm	1200 x 640 mm
Suitable Material:	100-800g/m <sup>2</sup> white cardboard, PE coated paper, Kraft paper etc	
Maximum Pressure:	350 T	
Power	14.5 KW	
Total Weight:	6.3 T (standard)	8.4 T (standard)
Overall Dimension:	4200 x 2100 x 1850 mm	
Working Air Source:	Air pressure: 0.6 Mpa;	
Tronking All Cource.	Working air: 0.3m³/min;	
Other size can be customize	d.	

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#### **Main Feature**

- 1. The working speed is 150 200 times per minute, the level of the capacity in China is 120times per minute. It has the ability to die-cutting, creasing and embossing for various shapes. **150-200 120**
- 2. Paper conveyed by servo motor to ensures steady and accurate conveying. photoelectricity sensor checks the color code of printing to ensure fix the paper position accurately.
- 3. Electric control system uses PLC and HMI. Equipped with safety refinements to make acoustic optical alarming and auto stop when some faults. **PLC**
- 4. Worm wheel and worm transmission system ensures the powerful and steady pressure; It is very convenient and accurate to adjust pressure through HMI.
- 5. Lubricating with oil circulation and alarming when lack of oil to ensure smooth running and prolong the machine life.
- 6. The die-cutting frame uses pneumatic locking system to convenient operation. Die-cutting down steel board from Taiwan is accurate and lasts forever.
- 7. It adapts electric control pneumatic clutch to protect the machine when start and emergency stop.. The flywheel provides a mounting location to the clutch and also can increase the pressure.

## **Advantage and Improvement**

1. Machine Host. New design: Worm and Worm wheel together with crankshaft same as the sheet die-cutting machine. The previous design: off-center shaft.

#### PY-950/1200

2. Pressure Adjusted. New design: The pressure is automatic adjusted through the motor to control the four feet by HMI. And the pressure can be shown in the HMI. It is very convenient and accurate. The previous design: manual adjusted through gear wheel or the screw.

#### PY-950/1200

- 3. Positioning block in movable platform we add one more positioning block in movable platform. It makes the pressure of the platform more stable, and endurable.
- 4. Oil circuit's new design: The outside oil circuit adds a filter to clear the oil and a flow switch to monitor lacking oil. The previous oil circuit is crude and confused (the first machinery equips with alarming of oil lacked).
- 5. The main driving part in host is protected by the lubrication system. If the data shows problem, the machine will stop and alarming. Then you must check the driving parts.
- 6. PLC program: The new design: We make two PLC program to fit for the different quality of printing. Be more functional and accurate.
- 7. Paper feeding balance regulator add new type paper feeding balance regulator to adjust he minor unbalance situation.
- 8. Paper damper: In order to avoid the paper shaking, we add one more damper to make the paper tractable. The paper leech on the damper when machine is running. So we can feed paper more stable and faster.
- 9. Roll Paper Loading: The new design: the hydraulic cylinder pushes downward, so it is stronger than the previous design.
- 10. Paper blocked alarm system. The new design adds the alarm system to make the machine stop when paper feeding blocked.

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