

LSB-330 Roll Feeding Square Bottom Paper Bag Making Machine



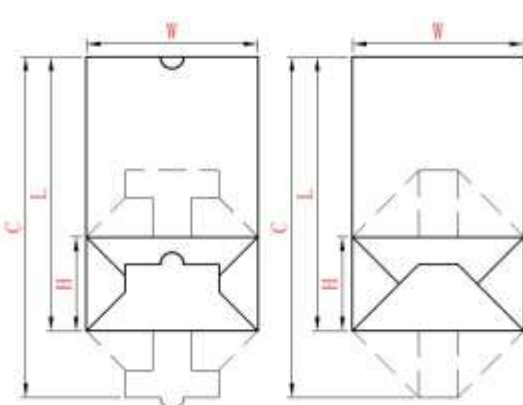
Introduction

Roll Feeding square bottom paper bag making machine forming the paper bag in one process from printed or unprinted roll paper, side gluing, roll folding, roll paper cutting, bottom folding, bottom gluing, bottom forming, bag formation at a stroke. This machine controls by PC programmable servo motor through the human-machine touch screen interface. It can produce various of specifications paper bags. This machine have advantages of high speed, quickly replace the paper bag specifications, more wide range adjusting etc. It is an ideal machine for producing food bag, shopping handles bag.

Features

1. The human-machine touch screen interface, the work condition can be shown in real- time.
2. Equipped with accurate servo motor drive, it makes the machine run steadily and efficiently.
3. Pneumatic paper reel lifting device make paper reel changing easy.
4. Automatic constant tension control system. The tension will be just right from beginning to end.
5. Double photoelectric sensor limit automatic correction control system and deviation rectification stability, energy saving, long life.
6. Rotary serrated cutter (or flat-blade cutter) with elliptical gears is used for cutting, Thumb buttons, appressed bottom cutting device, bag type have many choices.
7. Don't stop machine side clamp, CAM synchronous adjustment of structure, the adjustment will become more intuitive, more simple, more time saving.
8. Glue roller air defense coating control, avoid gluing on besmear brushes hub surface directly, reduce unnecessary trouble.
9. Accurate colors tracking system, replace the paper roll, downtime, blackouts, without human intervention, the machine will automatically positioning operation, color errors automatically shut down.
10. Automatic lubricating oil supply system.

Main Technical Parameter (see picture above)

Type	LSB-330	
Bag Width(W)	120-330 mm	
Bottom Size (H)	70-180 mm	
Cutting Length (C)	270-530 mm	
Bag Length (L)	$L=C - (H \div 2 + 15\sim 25)$	
Max. Speed	220 pcs/min	
Paper Roll Width	400-1050 mm	
Max. reel weight	600 Kg	
Max.Roll Diametr	1200 mm	
Reel inner diameter	76 mm	
Paper specification	60-170 gsm	
Web edge control system	Double photoelectric automatic correction control system	
Web tension control system	automatic constant tension control system	
Air pressure	$\geq 0.12\text{cm}$, 0.4~1Mpa	
Driven motor	Double servo motor	
Electric	380V, 50 Hz, 3 phase	
Power	11 KW	
Weight	5500 Kg	
Overall dimension (L×W×H)	8250×1800×1800 mm	

Configuration

1. Adopt touch screen and Motion Control System, the work condition can be shown real time. Cooperate with the ultra precise double servo motor, the stability can be guaranteed.
2. The machine has automatic counting system. The user can set a number to count. When bag quantity meets the number, the bag will be jumped out like the picture shows.
3. Adopt Japanese original Yaskawa servo control system to realize high-speed and precise operation control.
4. Independent glue coating system, the glue coating system can be run independently after the machine stops, avoiding the glue drying and not easy to clean. The glue automatic supply system will automatically supply when the glue is insufficient.
5. The compact design of mechanical transmission, ensure that the material is passed stable, accurate, improving mechanical properties, producing paper bags better appearance, neat.



6. Glue roller air defense coating control, avoid gluing on besmear brushes hub surface directly, reduce unnecessary trouble.
7. The integral tube forming adjustment structure can be adjusted at the same time on one side or both sides to improve work efficiency, reduce the scrap rate generated by the adjustment process, and save adjustment time and stability of adjustment.
8. Precise color mark tracing system can make sure precision of bag printing pattern cutting position. The color mark tracing function can avoid the readjustment after paper reel changing, paper web breaking, or power outage. The machine can stop automatically when the color mark is error. It will save time and reduce the waster rate.
9. Automatic edge control system adopts two photoelectric sensors to detect the edge of paper web. The motor doesn't need to work often so its power consumption is reduced and its life is extended. (User can choose single photoelectric sensor to control edge.)



10. Pneumatic paper reel lifting device make paper reel changing easy. Press one switch and the paper reel will be lifted automatically. Avoid the personal injury. The pneumatic lifting system can make sure the stability of paper web feeding and avoid moving the feeding stand.



11. automatic constant tension control system The tension will be just right from beginning to end.



12. Automatic lubrication system can supply automatically the lubrication oil to every part which needs to be lubricated. The lubricating time and oil quantity can be set by user. Avoid damage of machine because user forgets to lubricate. The maintenance becomes easy!



13. The bag samples which the machine can make are below (Not including the handle part):



Parts list of paper bag making machine

Name	QTY	Original/Brand	Remark
Control system			
Motion controller	1	Japan YASKAWA	
I/O module	1	Japan YASKAWA	
Servo motor	2	Japan YASKAWA	
Servo driver	2	Japan YASKAWA	
Touch screen	1	Taiwan WEINVIEW	
Color mark tracking photo-sensor	1	Germany Sick	
detection photo-sensor	3	Japan Omron	
Proximity sensor	2	Japan Omron	
Low-voltage apparatus	9	Japan Omron	
Normal button	8	French Schneider	
Emergency button	3	French Schneider	
Rotation Switch	2	French Schneider	
Edge control and tension control system			
Edge control photo-sensor	2	Zhejiang	
Edge control motor	1	Jiangsu	
Limited switch	2	French Schneider	
Constant tension controller	1	ORIENTAIDATA	

Magnetic powder brake	1	Zhejiang	
Transmission and lubrication			
Precision planetary gearheads	1	Taiwan fenghua	
Auto lubricating pump	1	Zhejiang	
Synchronous belt	3	Zhejiang	
Synchronous wheel	6	Zhejiang	
Power and appliance			
Three-phase isolation transformer	1	Zhejiang	
Voltage stabilize	1	Taiwan mean well	
Cooling fan	1	Zhejiang	
Mechanical parts			
Inflatable Shaft (Feeding Shaft)	1	Zhejiang	3" Air shaft
Guiding roller	8	Zhejiang	Dynamic balance aluminum guide roller
Transfer belt	2	Zhejiang	High speed transfer belt
Edge line coating way	1	Home-make	Copper gluing wheel
Bottom gluing way	1	Shanghai	Elastic sponge
Besmear brushes way	1	Home-make	corrosion preventive nylon roller
Glue case	2	Home-make	Removable stainless steel glue tank
Replacement parts			
T-shaped Rod	3	Home-make	170、245、320mm
Bottom Closing Nylon Sleeve	10	Home-make	Φ25.4×25、50mm

Paper Pressing Nylon Sleeve	4	Home-make	Φ50×20、80mm
Tooth cutting board	2	Home-make	28×330mm
Flat cutting board	1	Home-make	R60.3×330mm
Big wheels liner	12	Home-make	4°、8°、12° ×340mm
Mould keel	4	Home-make	45、80×1710mm
Stainless steel forming board	8 Pair	Home-make	63、73、83、95mm
Accessories (Spare Parts)			
Inflatable Shaft (Feeding Shaft)	1	Zhejiang	Φ76×1418mm
Side Clip	8	Home-make	Big Wheel
Open Side Clip	2	Home-make	Open wheel
Bottom Pressing Scrip	10	Shanghai	30×336、1000mm
Indentation Knife	2	Shanghai	9×340mm
Serrated Blade Knife	2	Zhejiang	30×330mm
Flat knife	2	Zhejiang	29.3×330mm
Circular Arc Knife	2	Zhejiang	R14
Roller bearing	2	NSK	CF-1/2-SB
Synchronous Belt	2	Zhejiang	M8