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Fully Automated Fourth Generation Open Bag Making Machine

ROYO MACHINERY

ROYO MACHINERY

The Reliable Partner

Handle Paper Bag

Fully automated
Open bag making machine Industry 4.0

SBR-TB

Full Auto Roll Feeding Handle Paper Bag Machine

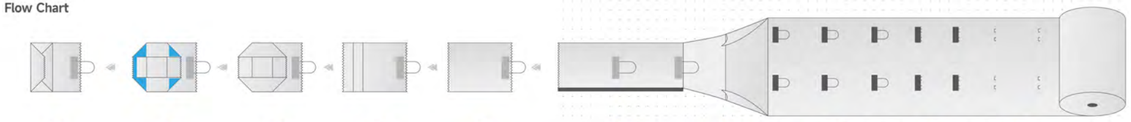
Max bag making speed

160 pcs/min

Superb craftsmanship The future of fully automatic bag making machines

Twisted Rope Handle Making | Handle Slitting | Handle Positioning

Flow Chart



⑪ Bag Collection | ⑩ Bottom Gluing | ⑨ Bottom Folding | ⑧ Creasing | ⑦ Tube Cut-off | ⑥ Gusset Forming | ⑤ Side Gluing, Tube Forming | ④ Handle Pasting | ③ Handle Gluing | ② Cutting | Roll Loading

SBR-TB

Full Auto Roll Feeding Handle Paper Bag Machine

Full Atuo All-In-One Machine
Let you pay less and gain more

Product introduction

This machine is designed for handle square bottom paper bag production. The handle forming section forms the twisted core and paper strip in roll into handles,these handles are transferred to handle application section. Handle application section perforates the blank or printed paper web,applies glue, impresses the handle to paper web.With handles attached, the paper web is fed into the main machine for side glue application, tube forming, cut-off, bottom forming, bottom glue application, bag forming and final bag out-feed. All steps are completed in-line, this machine is an idea equipment for handle square bottom paper bag.

Whole machine is controlled by computer central control system with touch screen and servo motor for cut-off length control. It can produce variable sizes paper bag.

Structure features

1. Introduce In-touch screen human-machine interface,easy for correction and fine adjustment.Alarm working status can be displayed in screen on-line,easy for operation and maintenance.
2. Equipped with German Siemens PLC for centralized control system and SICK photocell for correction,tracking the printed material accurately,minimize the adjustment and preset time,increase the production efficiency.
3. Human oriented security protection,whole housing design,ensure the safety of operator.
4. With automatic constant tension control system,Italian ST web guider system,inverter motor for draw roll,reduce the adjustment time for paper roll alignment and positioning,reduce waste material,increase efficiency.
5. High speed oriented design ensure successful of production:within the suitable paper range,production capacity can reach 100pics/min,even higher.Increased the unit production capacity and higher profit.
6. Original German Schneider electric system,ensure better stability and reliability;perfect after sale service,trouble free for customer.

Model	SBR-260TB	SBR-290TB	SBR-330TB	SBR-460TB	SBR-680TB
Cutting Length	190-370mm 190-260mm	270-520mm 270-410mm	270-520mm 270-410mm	270-520mm 270-410mm	370-760mm 370-660mm
Bag Width	80-260mm 150-260mm	110-280mm 180-280mm	150-330mm 200-330mm	260-450mm 260-450mm	220-450mm 240-450mm
Bottom Width	50-100mm	60-180mm	60-180mm	80-180mm	80-220mm 100-220mm
Paper Thickness	60-150g/m² 80-150g/m²	60-150g/m² 80-150g/m²	60-150g/m² 80-150g/m²	80-150g/m² 80-150g/m²	80-160g/m² 80-160g/m²
Paper Roll Width	290-750mm 430-750mm	360-1050mm 500-1050mm	440-1050mm 620-1050mm	700-1300mm 700-1300mm	630-1370mm 670-1370mm
Paper Roll Diameter	1200mm	1500mm	1500mm	1500mm	1500mm
Paper Core	76mm	76mm	76mm	76mm	76mm
Patch Length	114.3mm	152mm	152mm	152/190mm	190mm
Patch Width	45-50mm	45-50mm	45-50mm	45-50mm	45-50mm
Handle Length	320mm	320/340mm	320/340mm	320/340mm	320/340mm
Handle Distance	57.15mm	72mm	72mm	72/85mm	85/92mm
Rope Dimension	4-5mm	4-5mm	4-5mm	4-5mm	4-5mm
Patch Paper Roll Width	90-100mm	90-100mm	90-100mm	90-100mm	90-100mm
Patch Paper Roll Diameter	1200mm	1200mm	1200mm	1200mm	1200mm
Patch Paper Thickness	100-135g/m²	100-135g/m²	100-135g/m²	100-135g/m²	100-135g/m²
Mechanical Speed	30-200bags/min	30-200bags/min	30-200bags/min	30-200bags/min	30-150bags/min
Production Speed	30-200bags/min 30-160bags/min	30-180bags/min 30-150bags/min	30-180bags/min 30-150bags/min	30-150bags/min 30-130bags/min	30-130bags/min 30-120bags/min
Power	30KW	38KW	38KW	38KW	43KW
Weight	11T	13.5T	14T	15T	16T
Machine Dimension	11600x5000x2400mm	14000x5000x3400mm	14000X6000X2700mm	15000X6000X2700mm	16000X6000X2700mm

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Square Bottom Bag

Technology makes the future

Square Bottom Bag

SBR-SERIES

Auto Roll Feeding Paper Bag Machine

Flow Chart

Optimal Customer-centric Solution

Max bag making speed

200 pcs/min

Efficient to promote the pace of progress

Standard Paper Bag | Patch Bag (Handle Hole) | Inline Flexo Printing

Film Window | Two-layer Paper | Six-corner bottom paper bag

ROYO MACHINERY

Square Bottom Bag

SBR-SERIES

Auto Roll Feeding Paper Bag Machine

Product introduction

SBR-290 Adjustable roll square bottom paper bag making machine, it has the advantages of fast making, high production efficiency, large adjustment range, comprehensive domestic inadequate of similar products, then toimprove the new equipment. This equipment make the primary color or printed roll paper to glue on the side, folded into a tube, glue on the bottom, bag bottom forming and export bags. The machine is controlled by computer central control system, touch screen display, the servo motor control the length of paper bags, can produce a variety of sizes paper bags, the fastest can reach 200PCS/Min, greatly reducing the labor costs, is the best choice for paper bag's choice for paper bag's producting and process.

Structure features

1. Materail handing using hydraulic lift structure, unwinding using automatic tension control.
2.Side glue using the auto gluing system.
3.Web guiding using the pausource from Taiwan.
4. Paper tube forming device includes thumb-cut function.
5. Automatic stopping when no material.
6. All of center clip, drum clamps and drum machines are using spider synchronous adjustment mechanical design, can significantly reduce the adjustment time to replace the size.
7. With Germany SICK photoelectric, accurately tracking the printed materials.
8. Equipped with automatic lubrucation supply system, block alarm system.

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Full Atuo All-In-One Machine
Let you pay less and gain more

Model	SBR-180	SBR-290	SBR-330	SBR-460	SBR-680
Cut-off length	190-370mm	270-520mm	270-520mm	270-520mm	370-760mm
Bag width	80-180mm	110-280mm	150-330mm	260-450mm	220-450mm
Bottom width	50-100mm	60-160mm	80-180mm	80-180mm	80-220mm
Paper weight	45-120g/m²	60-160g/m²	60-180g/m²	80-160g/m²	80-160g/m²
Max.speed	200bags/min	180bags/min	150bags/min	150bags/min	120bags/min
Max. paper roll width	600mm	930mm	1010mm	1300mm	1300mm
Max. paper roll dia.	1400mm	1500mm	1500mm	1500mm	1500mm
Paper roll core dia.	76mm	76mm	76mm	76mm	76mm
Total power	10kw	13kw	15kw	15kw	15kw
Machine weight	4500kg	6500kg	9000kg	9000kg	9500kg
Machine size	7.7x1.7x2.1m	8.6x2.2x1.8m	9.6x2.5x1.8m	9.6x2.5x1.8m	10x2.5x1.8m

Flow Chart

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Flat & Satchel Paper Bag

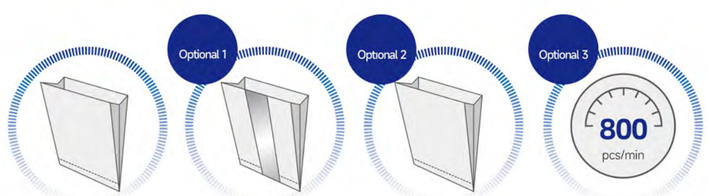
Unique advanced technology
to improve production efficiency

Flat & Satchel Paper Bag

HY-SERIES

Auto Flat & Satchel Paper Bag Making Machine

Model	HY270	HY330
Cut-off length	120-450mm	120-780mm
Bag width	80-280mm	80-350mm
Gusset open width	0，20-120mm	0，20-120mm
Paper weight	30-80g/m²	30-80g/m²
Max.speed	500bags/min	500bags/min
Max. paper roll width	900mm	1000mm
Max. paper roll dia.	1200mm	1200mm
Paper roll core dia.	76mm	76mm
Total power	16kw	16kw
Machine weight	5000kg	5000kg
Machine size	7.3x2.0x1.8m	7.3x2.1x1.9m



Standard Paper Bag　Film Window　Inline Flexo Printing　High Speed

ROYO MACHINERY

HY

Fully Automatic High-speed Handle Making Machine

Model	HY
Machine Size	6000x1600x1500mm
Motor Power	2.2KW/1.1KW
Servo Motor	750W
Robot	
PLC	24
Hot Melt Glue Machine	6KW
Working Speed	30-35
Handle Glue	
Sticky Handle Glue	
Minimum Paper Bag Width	220mm
Maximum Paper Bag Width	400mm
Maximum Handle Size	190mm
Minimum Handle Size	127mm
Paper Thickness	100-130

Working speed

35 pcs/min

Diversified assistance to meet different needs

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