Market Background

- Flat rope paper bags and small-batch orders still rely on manual production;
- Most paper bag designs in the market use side sealing + bottom gluing, but the bottom is the main load-bearing part of the bag, making it prone to delamination at the bottom;
- After flattening, the bag has a waistline on the front, a large character waistline on the side, and a multi-layered overlapping bottom, resulting in chaotic crease lines that compromise the structural integrity and printed design of the bag;
- The inner side of the bag opening is not glued, causing inward elastic deformation that affects usability.

New Process Solution

Solve The Existing Pap Bag Process Problems

We provide a "fully automated U-shaped wrapping and center-sealing on both sides" bag-making process, in which the flat rope threading and bag-making are completed automatically.

Solve The Problem Of Bottom Degumming

The bottom is used as the center to form a U shape, and the two sides are sealed at the center fold lines, and the bottom is a whole flat bottom.

Maintain Load-Bearing Capacity

Automatic rope threading and hot melt adhesive automatic spraying process, the load-bearing capacity reaches more than 20KG.

Solve The Problem Of Bag Surface Aesthetics

The front is neat and elegant, and there is only a fold line on the side, which will not damage the printed pattern.
The bottom folding method is the M bottom inner fold
The inner fold of the bag mouth is bonded into a whole, without rebound, and easy to use.

OYANG 欧诺

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CE ISO9001:2008

Industry Is Keeping Change
Because Of Us

GREAT **5.0** SUPREME SHEET FED NON-CREASE PAPER BAG MACHINE

OYANG 欧诺

Equipment Adopts Full-Servo Bus Control


Old process side


New process side


Old process bottom


New process bottom


Old process bottom card


New process without bottom card


Old process front

New process front

*New Features:


Center-tied handle


Rivet eyelet


Old process manual add handle


Oyang process automatic add handle

Great 5.0 Supreme Sheet Fed Non-crease Paper Bag Machine

M bottom bag folding device

The bag body adopts U-shaped forming process, with two sides sealed in the middle and the bottom as a whole, so there is no degumming and no risk of bottom peeling. With the bag-sorting device, batch stacking of paper bags can be realized.

Double Reinforced Card Design

Built-in double card structure at the bag mouth reinforces the edge, anti-deformation and anti-collapse.It disperses the pulling force of the handle, features higher load-bearing capacity, tear resistance and greatly improved durability.

Optional handle styles: Flat rope, rivet eyelet, knotted rope

Optional handle styles: flat rope, riveted, or Center-tied handle. Auto rope threading with double-sided hot-melt PSA bonding at the bag opening.Load capacity: ≥20kg.

Feeding of 3,000-meter Rolled Flat Rope

The flat rope is fed by roll,and the wrinkles on the flat rope can be ironed through the flat rope ironing process, which improves the production stability.

Quick mold change function

Enables quick changeover between bag sizes, significantly reducing setup time for new products.

Hot Melt Pressure Sensitive Adhesive

Hot melt pressure sensitive adhesive is used as the middle sealing adhesive, which has high temperature resistance and strong adhesion.

Equipment Adopts Full-Servo Bus Control

Easy to operate, with an automation level of 90% and a low scrap rate.

The inside of the bag is glued after the opening is closed.

It won't bounce back, making it easy to take out items inside.

Water-based adhesive bonding function

It features high bonding strength on bag side seams and bag openings, resisting cracking and debonding.The water-based adhesive causes no yellowing or glue penetration,keeping the finished paper bags in premium appearance.

GREAT 5.0

Process Flow

After The Die-Cutting Material Is Fed By The Feeder, The Flat Rope Is Automatically Threaded (Handle)

Mainframe Mold - U - Shaped Forming And Sealing On Both Sides

Folding Machine - Bag Mouth Sealing And Glue Spraying

Bag Folding Machine - Bottom M Bottom Inner Fold

Open Length

520~1180mm

Open length =2* height + gusset + 80

Die-cut sheet material length = Open length + 16 (die-cutting reserve)

Open Width

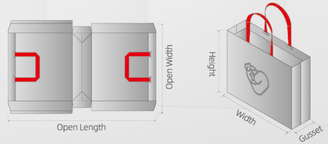
296~786mm

Open width =width+gusset+36

Die-cut sheet material width = Open width + 23 (die-cutting reserve)

	Model No.	GREAT 5.0
Size Range	Height	180-450 mm
	Width	180-550 mm
	Gusset	80-200 mm
	Handle Length	430-700 mm
	Handle Width	20-30 mm
	Sheet Size (Length)	520-1180 mm
	Sheet Size (Width)	296-786 mm
	Straight Cord Length	220-320 mm
	Diawstring Hole Spacing	100-200 mm
	Header Card Length	160-530 mm
	Header Card Width	25 mm （Double Header Card） 30 mm （Single Header Card）
Speed	Production Speed	40-50 pieces/min
Media	Applicable Materials	White cardboard, kraft paper
	Material Properties	Tensile Strength: 35kg Weight: 220g
	Material Weight Range	180-300g
	Material Processes	Embossing,Hot Stamping
	Flat Rope Material	pp
Power	Total Power	85 KW
	Actual Operating Power	58 KW
Required Power	Power Supply	380 V
Machine Specification	Total Machine Weight	9000 KG
	Machine Dimensions	L 9120 × W 6620 × H 2800 mm

*Note: This is the specification sheet for the standard version.



30min 快速换规

1 - pass Bag - making (String Threading & Braiding), Operable by 2 Staff