

Flat & Satchel Paper-Bag Production Line

Complete Turnkey Business Proposal

专业纸袋机制造商
Professional paper bag machine manufacturer
www.wenanjiang.com

WFD400/WFD-600

全自动食品纸袋机
Automatic Paper Bag Making Machine

本机是粮厂在原食品纸袋机基础上，经过本厂全体员工的努力而开发的一代高速机型，是生产食品纸袋、面包纸袋和各种食品纸袋的理想设备。

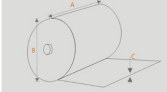
This machine is a new type of high-speed machine developed by our factory on the basis of the original food bag machine. It is an ideal preparation for the production of food paper bags, bread paper bags and various non-staple food paper bags.

主要特点:

- 适于40-80克各种纸张
- 伺服系统PLC控制一定范围内袋子的任意长度
- 人机界面调节袋子长度
- 精确的色标跟踪系统

Main features:
Suitable for 40-80 grams of various papers.
Man-machine interface to adjust bag length
A servo system PLC controls any length of bag within a certain range
Accurate color-coded tracking system

规格 Specifications



A 卷纸宽度 (毫米) Paper Roll Width (mm)	230-720
B 卷纸最大直径 (毫米) Maximum Paper Roll Width (mm)	1200
C 纸重量 (克/米) Paper Gram Weight (g/m ²)	40-80



A 纸袋长度 (毫米) Bga length (mm)	160-440
B 纸袋宽度 (毫米) Bga Width (mm)	80-250
C 纸袋边 (毫米) Bga side Width (g/m ²)	20-100




Machine Model	WFD-400	WFD-600	
卷纸宽度	Paper Roll Width	230-720mm	280-960mm
放卷最大直径	Maximum Paper Roll Width	1200mm	1200mm
基材卷芯内径	Material Core Diameter	Φ76mm	Φ76mm
纸袋重量	Paper Thickness	40-80g/平方米	40-80g/平方米
纸袋长度	Bag Tube Length	150-440mm	300-750mm
纸袋宽度	Paper Bag Width	80-250mm	100-100mm
风罩边	Bag Gusset	20-100mm	20-100mm
出袋速度	Speed	100-4000/分钟	40-600/分钟
机总功率	Total Power	10KW	13KW
机器重量	Machine Weight	4500KG	4500KG
外形尺寸 (长×宽×高)	Machine Dimension (L×W×H)	4500×1500×2100mm	8000×2200×2100mm

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Made-in-China supplier reference: real flat & satchel paper-bag production line equipment.

100-250/min screened saleable speed	40-90 gsm paper range	1 size launch bag	4-7 entry workforce
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Prepared for investment planning in Afghanistan and regional export markets. Final specifications, pricing, civil works, and utility loads require supplier quotation and site survey.

Executive Summary

A small roll-fed paper-converting line producing handle-free flat and gusseted satchel bags with a sharp or V bottom from specified paper through reel loading, web guiding, optional one-colour flexographic printing, photocell registration, perforation where required, side gluing, tube forming, length cutting, bottom folding and gluing, counting, inspection and carton packing. It is distinct from a square-bottom shopping-bag line.

Why this project fits Afghanistan

- Bakeries, pharmacies, snack makers and retailers use simple low-cost paper bags.
- No handle and a V bottom reduce paper, tooling and machine complexity.
- One bag size and print colour support short local runs.
- Food and grease-resistant applications require approved paper, ink and glue.

Sanaatchi delivery scope

- Factory setup planning, supplier pre-qualification, and technical comparison
- Complete production-line and individual equipment supply
- Factory layout, utilities, civil-work coordination, installation, and commissioning
- Raw-material sourcing, trial-batch qualification, and repeat supply planning
- International logistics, customs documentation, operator training, spare parts, and after-sales support

Recommended configuration

Launch one unprinted or one-colour flat/satchel bag for bakery, pharmacy or dry-food use. Screen a 230-720 mm roll-fed machine rated for roughly 40-90 gsm paper, with reliable web guide, photocell registration, water-based glue and counter. Confirm whether the buyer needs a flat bag, gusseted satchel, grease-resistant paper or food-contact documentation before ordering tooling.

Manufacturing Process & Product Portfolio

Integrated process flow



Target products

Product	Typical specification	Primary market
Flat bakery or pharmacy paper bag	One width/length, paper gsm, V-bottom, glue, print and pack count	Bakeries, pharmacies, hardware and retail counters
Gusseted satchel bag	Approved gusset, grease resistance and food-contact construction	Dry foods, snacks and takeaway products

Bag speed depends on length, gusset, paper stiffness, print registration and glue setting. Acceptance uses the contracted paper and measures reel tracking, print register, cut length, width/gusset, bottom geometry, glue coverage, seam opening, bag capacity, grease resistance where specified, count, output and waste. This line does not form square bottoms or attach handles.

Core Equipment Schedule

Step	Equipment	Function	Indicative parameter
1	Unwinder, tension and edge guide	Feeds and aligns the paper web	230-720 mm roll width
2	Optional one-colour flexo printer	Adds simple registered branding	Water-based food-safe ink if needed
3	Flat/satchel bag former	Forms tube, gusset, cut and V bottom	40-90 gsm paper
4	Photocell and register control	Aligns printed repeat to bag cut	Printed-bag option
5	Glue preparation and dosing	Controls side and bottom seams	Viscosity monitored
6	Counter and inspection conveyor	Counts and releases bag bundles	One pack quantity
7	Bag test tools	Checks dimensions, seam and capacity	Customer sample basis

Equipment models are indicative and will be matched to the selected capacity, local raw-material tests, available utilities, and preferred automation level.

Reference Equipment Gallery



Plant, Raw Materials & Utility Requirements

Raw materials

- Specified kraft, white, greaseproof or other approved paper reels
- Water-based adhesive and optional food-safe printing ink
- Cores, cartons, wrap, labels and printing plates
- Knives, belts, glue parts and critical spares

Utilities & infrastructure

- Stable three-phase power and clean compressed air
- Dry humidity-controlled paper-roll store
- Controlled ink/glue preparation and wash area
- Safe roll handling, guarding and waste collection
- Clean packing and finished-goods area

Quality, safety and environmental controls

- Release paper gsm, moisture, strength and food status
- Control tension, edge guide and print registration
- Verify length, width, gusset and bottom geometry
- Inspect glue coverage and seam opening
- Test capacity and grease resistance where specified
- Record bundle count, speed, rejects and reel traceability

A final factory layout must reserve safe forklift routes, maintenance clearances, raw-material segregation, finished-goods storage, fire protection, ventilation, and future expansion space.

Indicative Investment & Implementation Plan

LOW-ENTRY CONFIGURATION

The lowest entry produces one unprinted flat or gusseted V-bottom bag and packs manually. Multi-colour printing, square-bottom forming, handles, building and paper-reel working stock are excluded.

Component	Indicative range	Notes
Roll-fed flat/satchel bag machine	US\$16k-42k	One V-bottom format family
Optional flexo, glue and register package	US\$5k-15k	One-colour print
Handling, inspection and packing	US\$3k-8k	Manual carton packing
Freight, installation, tooling and spares	US\$6k-17k	Supplier commissioning
Indicative installed low-entry total	US\$30k-82k	Square-bottom/handle machinery and paper stock excluded

Implementation sequence

Phase 1	2-5 weeks	Confirm product specification, representative raw material, buyer, capacity, site and utilities
Phase 2	3-7 weeks	Run supplier trials with the buyer material and freeze the balanced machine, tooling and utility scope
Phase 3	8-22 weeks	Manufacture or refurbish, inspect, document and ship the contracted equipment
Phase 4	3-12 weeks	Install, commission, train operators and pass material-specific acceptance tests

Ranges are planning targets for a low-cost entry configuration, exclude land, and remain subject to confirmed capacity, supplier quotation, freight, duties, exchange rates and site conditions.

Next Steps & Contact Information

Recommended next steps

- Confirm target products, hourly output, and packaging formats
- Test representative raw materials and document quality requirements
- Complete site survey covering electricity, water, fuel, drainage, roads, and warehouse space
- Request comparable technical and commercial quotations from shortlisted suppliers
- Finalize financing, logistics, installation, training, and spare-parts plan

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Research and image references

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