

Multiwall Flour & Cement Paper-Sack Line

Complete Turnkey Business Proposal



Made-in-China supplier reference: real multiwall flour & cement paper-sack line equipment.

2-4 plies paper construction	25 or 50 kg launch fill mass	1 sack initial design	18-30 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 medium industrial paper-sack plant converting two to four kraft-paper webs, with an optional moisture barrier, into pasted open-mouth or valve sacks through reel stands, web tension control, ply alignment, longitudinal and cross gluing, stepped-end tube forming and cutting, perforation, valve-patch preparation where specified, bottom folding and pasting, pressing, drying/conditioning, printing, inspection and bundling. Food flour sacks and cement sacks are separate validated products.

Why this project fits Afghanistan

- Afghan flour mills and cement plants consume large repetitive sack volumes.
- Multiwall paper can deliver printability and controlled filling-air release.
- One customer and one sack size are essential before investing in specialised bottoming tooling.
- Imported kraft reels create large working-capital and quality exposure.

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

Select one market first. For cement, screen a 2-3 ply valve-sack tuber plus bottomer for one 25 or 50 kg filling system. For flour, use food-contact kraft, approved barrier/ink/glue and an open-mouth or valve closure validated with the mill. A complete entry line needs reel handling, tuber, bottomer, printer, compressor, glue kitchen, conditioning and sack/drop/porosity tests-not a tuber alone.

Manufacturing Process & Product Portfolio

Integrated process flow



Target products

Product	Typical specification	Primary market
Cement valve paper sack	Customer filler, nominal mass, plies, valve, porosity, strength and drop test	Cement and dry construction-material plants
Food-contact flour paper sack	Separate approved kraft, barrier, ink, glue, closure and migration documentation	Flour mills after food-safety validation

Cement sacks need filling-air permeability while retaining powder; flour sacks need food-contact compliance and moisture/insect control. These are not one generic product. Supplier acceptance runs the exact paper construction and measures web alignment, glue, perforation, tube/bottom dimensions, valve function, air permeability, tensile/tear, seam, drop, filling speed, leakage and bundle count.

Core Equipment Schedule

Step	Equipment	Function	Indicative parameter
1	Multi-reel stands and tension system	Feeds two to four kraft plies	Roll mass and width rated
2	Multiwall tuber	Glues, forms and cuts stepped tubes	Customer sack dimensions
3	Perforation and optional barrier unit	Controls air release and moisture protection	Product-specific
4	Valve patch and bottomer	Forms valve and pasted bottoms	One launch sack
5	Flexographic printer	Applies compliant customer markings	One/two colours entry
6	Glue kitchen, press and conditioning	Develops reliable bonds	Temperature and viscosity controlled
7	Sack laboratory	Tests paper, porosity, seam and drop	Filling-line validation

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



Made-in-China supplier reference: real multiwall flour & cement paper-sack line equipment.



Made-in-China supplier reference: second real machine configuration for multiwall flour & cement paper-sack line.

Images are supplier references for configuration discussion; final equipment appearance and model may differ.

Plant, Raw Materials & Utility Requirements

Raw materials

- Specified sack-kraft reels for each ply
- Approved barrier film or coated paper only where designed
- Product-approved adhesive and printing ink
- Valve patches, pallets, wrap, plates, knives and spares

Utilities & infrastructure

- Large stable three-phase supply and compressed air
- Dry conditioned kraft-roll warehouse
- Rated reel handling and long clear production bay
- Glue/ink preparation and controlled wastewater
- Finished-sack conditioning and customer filling-test area

Quality, safety and environmental controls

- Release every kraft reel by gsm, moisture and strength
- Control ply alignment, tension, glue and perforation
- Verify tube cut and bottom/valve geometry
- Condition sacks before destructive testing
- Test porosity, seam, tensile, drop and filling
- Trace every bundle to all reels, glue and ink batches

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 credible industrial line targets one large customer and one two- or three-ply sack with a matched tuber and bottomer. A second food/cement design, building and imported kraft inventory are excluded.

Component	Indicative range	Notes
Multiwall tuber and reel systems	US\$140k-330k	2-4 ply industrial machine
Bottomer, valve, printer and glue systems	US\$110k-280k	One sack design
Handling, laboratory and utilities	US\$45k-130k	Reels, air and quality
Freight, installation, training and spares	US\$80k-220k	Specialist commissioning
Indicative installed project total	US\$375k-960k	Building and kraft working 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

- <https://companytecon.en.made-in-china.com/product/AKPnQeLZgqcu/China-Automatic-Multiwall-Cement-Paper-Sack-Making-Machine.html>
- <https://shenzn.en.made-in-china.com/product/BOJnvNrEOmWT/China-Multiwall-Paper-Bag-Making-Machine-to-Manufacture-Paper-Sacks.html>