



Recycled Kraft-Paper Mill

Complete Turnkey Business Proposal



Made-in-China supplier reference: real recycled kraft-paper mill equipment.

1 grade controlled launch	30-80 t/day recycled paper screen	local wastepaper fibre source	70-130 three-shift 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 strategic paper mill converting sorted local wastepaper into defined recycled kraft or testliner paper through bale opening, sorting, pulping, screening, cleaning, refining, stock preparation, approach flow, paper machine, pressing, drying, winding, slitting and laboratory release. It is not a small carton-recycling workshop.

Why this project fits Afghanistan

- Local wastepaper can become packaging feedstock when collection and contamination control are bankable.
- Fibre quality, water loops and machine uptime determine saleable paper.
- A mill needs a verified wastepaper supply chain and board-buyer off-take before finance.

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

Start only after a wastepaper collection study proves volume, contamination limits and seasonal availability. Screen one basis-weight grade with conservative daily output; validate water treatment, steam, power, paper-machine maintenance, effluent/fibre recovery and contracted board buyers.

Manufacturing Process & Product Portfolio

Integrated process flow



Target products

Product	Typical specification	Primary market
Recycled kraft/testliner paper	Basis weight, burst, ring crush, moisture, Cobb, tensile, shade and roll dimensions	Afghan corrugated-board factories, carton converters and packaging buyers

Supplier selection must be based on representative buyer material, utilities and a documented acceptance test for this exact product.

Core Equipment Schedule

Step	Equipment	Function	Indicative parameter
1	Bale handling, pulper and screening train	Recovers usable fibre from wastepaper	Defined contamination limit
2	Cleaner, refiner and stock-preparation system	Builds stable paper furnish	One paper grade
3	Paper machine, press and dryer section	Forms and dries paper web	30-80 t/day screen
4	Winder, slitter, lab and water treatment	Releases saleable rolls and recovers water	Board-buyer acceptance

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 recycled kraft-paper mill equipment.



Made-in-China supplier reference: second real machine configuration for recycled kraft-paper mill.

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

Plant, Raw Materials & Utility Requirements

Raw materials

- Sorted wastepaper with agreed moisture and contamination limits
- Process chemicals, felt/wire consumables, cores, wrapping and pallets

Utilities & infrastructure

- Stable three-phase electricity with verified connected load
- Guarded machinery, lockout, ventilation and fire protection
- Covered segregated raw-material and finished-goods storage
- Maintenance tools, safe lifting and critical spare parts
- Steam boiler, treated process water, vacuum, compressed air and high-capacity effluent/fibre-recovery system
- Bale dust control, fire protection, sludge handling and segregated warehouse

Quality, safety and environmental controls

- Grade wastepaper for contamination, moisture and forbidden materials
- Control furnish consistency, drainage, basis weight, moisture and steam use
- Test burst, ring crush, tensile, Cobb, roll build and roll dimensions before shipment

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

There is no responsible low-cost shortcut: this investment begins only after a reliable wastepaper collection network, water/steam solution and board-buyer contracts are documented.

Component	Indicative range	Notes
Bale preparation, pulping and screening	US\$1m-3m	Fibre recovery scope
Paper machine, drying and winding	US\$3m-9m	One grade/30-80 t/day
Water treatment, utilities, civil and commissioning	US\$2m-6m	Environmental core
Indicative strategic project total	US\$6m-18m	Land, collection fleet and working capital 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://www.alibaba.com/showroom/recycled-kraft-paper-machine.html>
- https://www.made-in-china.com/products-search/hot-china-products/Waste_Paper_Recycling_Paper_Machine.html