



Integrated Tissue-Paper Mill

Complete Turnkey Business Proposal



Made-in-China supplier reference: real integrated tissue-paper mill equipment.

bankable study investment gate	confirmed feedstock supply gate	EPC scope delivery gate	quality laboratory release gate
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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

Strategic tissue manufacturing that prepares virgin pulp and/or qualified recovered fibre, cleans and refines stock, produces tissue on a high-speed machine, rewinds, embosses, converts and packs toilet tissue, facial tissue and towel products.

Why this project fits Afghanistan

- This is a strategic plant, not a low-entry equipment package.
- Bankable feedstock, utility, permit, market, EPC and financing evidence is required before selection.
- Operate only with an independent laboratory, defined quality release and preventive-maintenance program.

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

Develop only after confirmed pulp/fibre route, water and steam, hygiene and dust/fire controls, converting-market demand, distribution network, packaging supply and experienced tissue-machine EPC/operations support are confirmed.

Manufacturing Process & Product Portfolio

Integrated process flow



Target products

Product	Typical specification	Primary market
Tissue paper and converted rolls	Ply, basis weight, softness, absorbency, roll/sheet size, embossing, whiteness, hygiene and pack format	Households, hotels, hospitals, restaurants, retailers, distributors and institutional buyers

Final capacity, process, resource quality, utilities, permit conditions, emissions, acceptance test and commercial terms require independent engineering review before any order.

Core Equipment Schedule

Step	Equipment	Function	Indicative parameter
1	Pulp preparation and stock cleaning	Prepares hygienic fibre	Fibre quality and cleanliness
2	Tissue machine and Yankee dryer	Forms tissue web	Basis weight and dryness
3	Reel/slitter and parent-roll handling	Prepares conversion rolls	Width and reel quality
4	Rewinding/embossing/log saw	Creates consumer rolls	Ply, perforation and softness
5	Packing and hygiene laboratory	Releases retail packs	Absorbency and pack integrity

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 integrated tissue-paper mill equipment.



Made-in-China supplier reference: second real machine configuration for integrated tissue-paper mill.

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

Plant, Raw Materials & Utility Requirements

Raw materials

- Virgin pulp and/or approved recovered tissue-grade fibre, water, wet-strength/softness aids where specified, core tubes, packaging film, labels, adhesives, steam/fuel and laboratory consumables

Utilities & infrastructure

- Bankable electricity/fuel/water plans, process cooling and treatment, plant fire safety, laboratory, covered stores and qualified operation team
- Environmental permits, emissions control, waste route, maintenance workshop, critical spares and site-specific safety systems

Quality, safety and environmental controls

- Confirm hygienic fibre route, water/steam, dust and fire controls, rolls/pack formats, retail buyers, distribution and working-capital needs before procurement
- Control stock cleanliness, basis weight, moisture, crepe/softness, ply bonding, embossing, perforation, roll diameter, dust and seal quality
- Test basis weight, absorbency, tensile/softness, roll dimensions, perforation, microbiological/hygiene criteria where required and pack integrity

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

Tissue is a hygiene, converting and distribution business. A parent-roll machine must be selected only after proving fibre, steam, retail formats and sell-through.

Component	Indicative range	Notes
Stock preparation, tissue machine and Yankee	US\$70m-230m	Width and fibre route
Rewinding, embossing, cutting and packing	US\$20m-75m	Consumer-pack portfolio
Utilities, hygiene, laboratory and installation	US\$30m-95m	Steam and dust controls
Indicative strategic project total	US\$120m-400m	Land, finance 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

- tissue-paper-converting-line
- paper-napkin-production-line