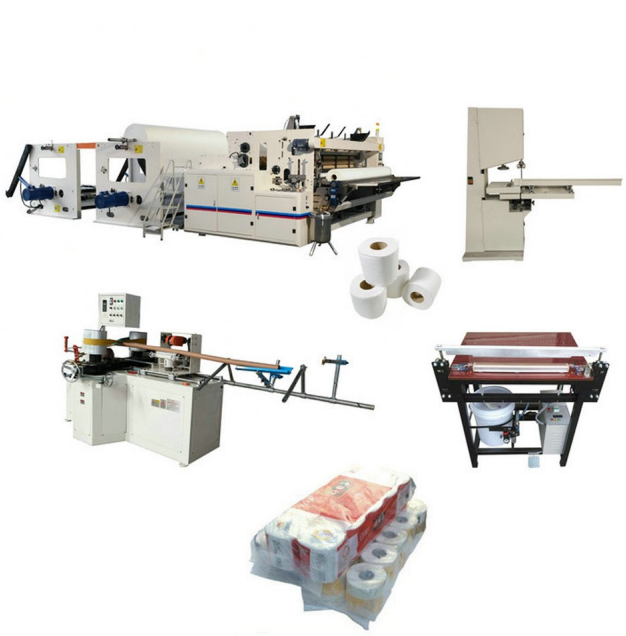
SANAATCHI
INDUSTRIAL VISION GROUP

Toilet-Tissue Converting Line

Complete Turnkey Business Proposal



Made-in-China supplier reference: real toilet-tissue converting line equipment.

1,575-1,880 mm starter reel width	**2 ply** launch construction	**1 roll size** initial SKU	**5-8** entry workforce

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 micro/small converting line turning purchased jumbo tissue reels into perforated toilet rolls through reel receiving, multi-ply unwinding, web tension control, optional embossing or lamination, perforation, core feeding or coreless winding, log rewinding, tail sealing, log cutting, roll inspection and manual or semi-automatic bag packing. It converts tissue; it does not manufacture base paper.

Why this project fits Afghanistan

- Toilet tissue has repeat household, hotel, restaurant and institutional demand.
- Buying jumbo reels avoids the capital and utilities of tissue papermaking.
- A semi-automatic cutting and packing route lowers entry cost and maintenance risk.
- Roll weight, perforation and pack count must be consistent to protect customer trust.

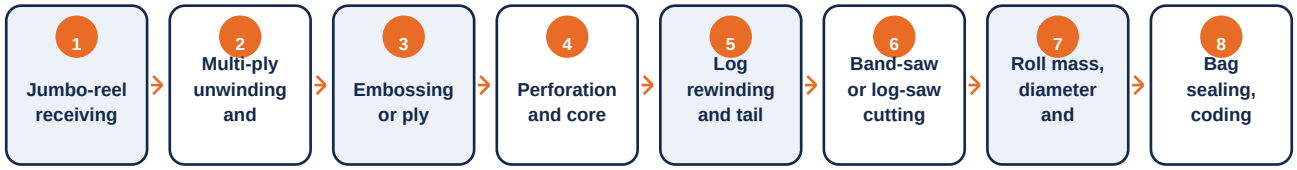
Sanaatchi delivery scope

- 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 with one 2-ply cored roll and one retail pack. Screen a supported 1,575-1,880 mm rewinder with embossing and perforation, a simple core maker or purchased cores, semi-automatic band saw or single-channel log saw, tail sealer, inspection scale and manual bag sealer. Fully automatic accumulation and packing should wait until sales volume and jumbo-reel supply are stable.

Manufacturing Process & Product Portfolio

Integrated process flow



Target products

Product	Typical specification	Primary market
Two-ply cored toilet roll	Buyer-approved gsm, sheet size/count, perforation, diameter, firmness, core and pack count	Households, hotels, offices and institutions
Coreless economy roll	Separate rewinding recipe, winding firmness and dispenser trial	Price-sensitive institutional buyers after validation

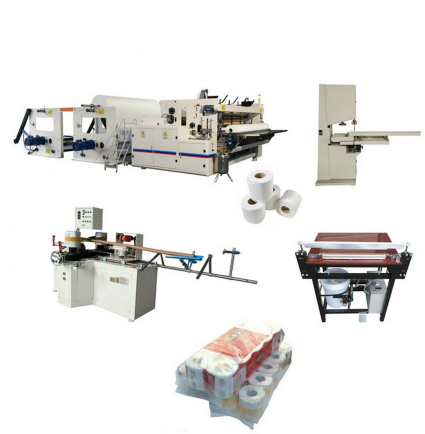
Jumbo-reel width, gsm, ply strength, moisture and reel hardness control rewinding performance. Acceptance records unwind breaks, emboss definition, ply bond, perforation force, sheet pitch/count, roll mass and diameter, winding firmness, core alignment, lint, cut-face quality, bag seals, pack count, speed and waste. Knife guarding, dust extraction and fire prevention are mandatory.

Core Equipment Schedule

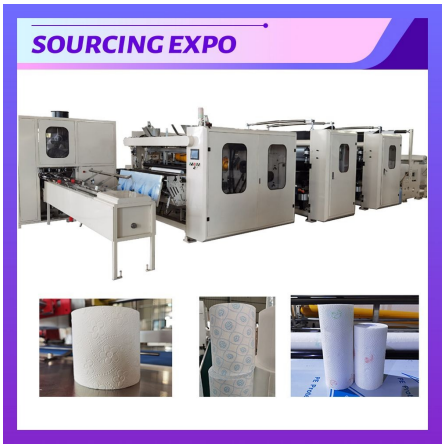
Step	Equipment	Function	Indicative parameter
1	Jumbo-reel stands and tension controls	Feeds one or two tissue webs evenly	1,575-1,880 mm entry
2	Embosser/laminator and perforator	Bonds plies and defines sheet tear	One 2-ply recipe
3	Automatic toilet-log rewinder	Builds cored or coreless logs	One roll diameter
4	Core maker or purchased-core station	Supplies dimensionally stable cores	Optional local conversion
5	Band saw or single-channel log saw	Cuts logs into retail rolls	Guarded, dust extracted
6	Tail sealer and inspection bench	Closes and releases each roll	Mass/diameter/count checks
7	Manual or semi-auto bag sealer	Forms one retail pack	Lowest-entry packing

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 toilet-tissue converting line equipment.



Made-in-China supplier reference: second real machine configuration for toilet-tissue converting line.

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

Plant, Raw Materials & Utility Requirements

Raw materials

- Qualified jumbo tissue reels by gsm, ply, width, strength and moisture
- Paper cores or core-board reels and approved ply/tail adhesive
- Printed PE bags or other buyer-approved wrap
- Cartons, labels, ink ribbon, blades and critical spares

Utilities & infrastructure

- Stable three-phase power and clean compressed air
- Dry clean reel and finished-goods storage
- Dust extraction, housekeeping and fire protection
- Guarded cutting room and ergonomic reel/log handling
- Hygienic changing and pest-control programme

Quality, safety and environmental controls

- Release every jumbo reel by gsm, width, moisture and defects
- Control emboss, ply bond and perforation pitch/force
- Verify sheet count, roll mass, diameter and firmness
- Inspect core position, cut face, lint and tail seal
- Check bag seal, code and pack count
- Record speed, breaks, waste and lot 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 credible line buys jumbo tissue and cores, rewinds one 2-ply roll, uses a guarded semi-automatic saw and seals bags manually. Base-paper making, automatic packing, building and jumbo-reel inventory are excluded.

Component	Indicative range	Notes
Rewinder, embossing and perforation	US$14k-36k	1,575-1,880 mm semi-auto entry
Core route, saw and tail sealing	US$6k-18k	Purchased cores can reduce entry
Inspection, manual packing and handling	US$3k-9k	One retail pack
Freight, extraction, installation and spares	US$6k-16k	Guarding and dust control included
Indicative installed low-entry total	US$29k-79k	Automatic packing, building and reel 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

Sanaatchi Industrial Vision Group
Afghanistan Office: +93 779 819 820 | info@sanaatchi.com
China Office: +86 159 5171 6867 | china@sanaatchi.com
Website: www.sanaatchi.com

Research and image references

- https://fjxinyun.en.made-in-china.com/product/EdHabOkxOJGi/China-Automatic-Toilet-Paper-Rewinding-Machine-and-Manual-Cutting-Packing-Machine.html
- https://jingyimac.en.made-in-china.com/product/jwFGazIPXpYV/China-Automatic-Toilet-Paper-Machine-Production-Line-with-Log-Saw-Cutting-and-Packing-Machine.html