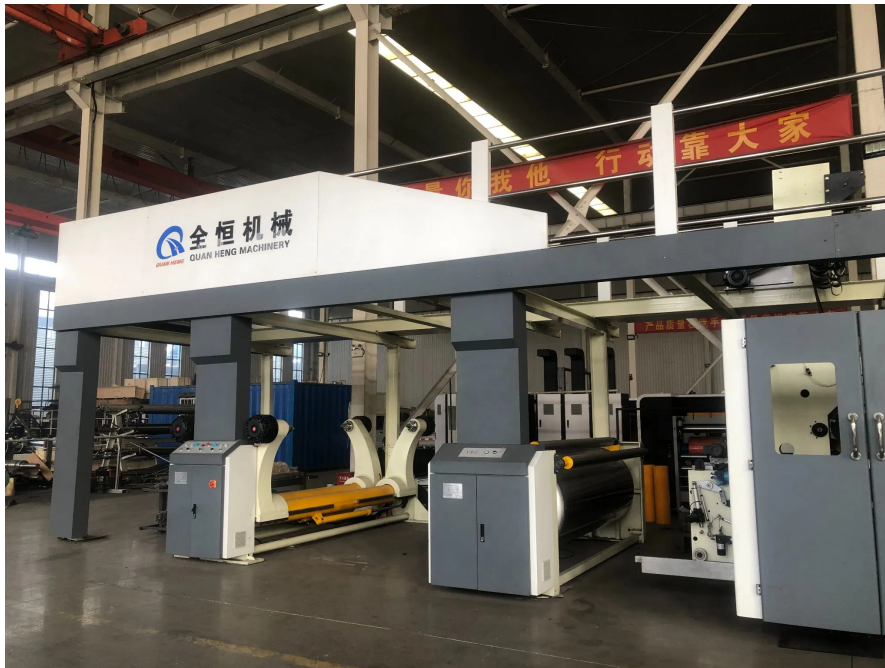


Three-/Five-Ply Corrugated-Board Factory

Complete Turnkey Business Proposal



Made-in-China supplier reference: real three-/five-ply corrugated-board factory equipment.

1 board family controlled launch	3/5 ply board construction	1400-1800 mm typical width screen	35-70 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 board-converting factory making one three- or five-ply corrugated-board specification from qualified liner and medium paper through reel receipt, steam conditioning, corrugating, starch gluing, hot-plate bonding, cutting, stacking, moisture control and board testing. Carton printing and box conversion are separate modules unless explicitly included.

Why this project fits Afghanistan

- Corrugated board replaces imported packaging when liner paper and starch glue are reliable.
- Board strength depends on paper, flute, adhesive, steam and moisture-not machine speed alone.
- One board family and buyer sheet sizes protect the entry scope.

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

Screen one board width and limited flute/board family first. Confirm paper-roll availability, steam, stable power, warehouse climate, sheet sizes, box-converter or buyer contracts and tested board strength before selecting a corrugator.

Manufacturing Process & Product Portfolio

Integrated process flow



Target products

Product	Typical specification	Primary market
Three- or five-ply corrugated board	Flute, liner grammage, board strength, moisture, sheet size and flatness	Afghan carton converters, food packers, traders and manufacturers

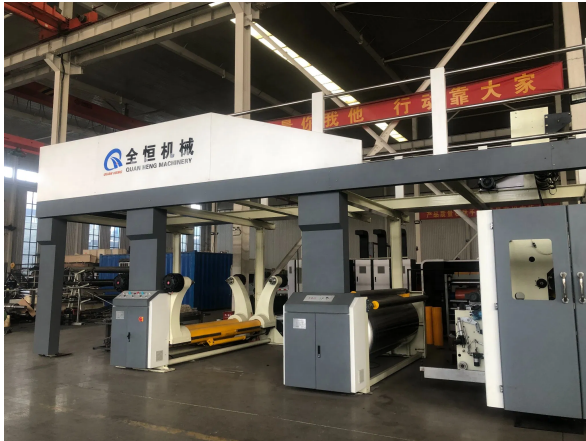
Supplier selection must be based on representative buyer material, utilities and a documented acceptance test for this exact product.

Core Equipment Schedule

Step	Equipment	Function	Indicative parameter
1	Reel stands, splicers and preheaters	Feeds conditioned liner and medium	Qualified paper rolls
2	Single facer, glue kitchen and double backer	Forms corrugated board	One flute/board family
3	Cut-off, slitter/scorer and stacker	Supplies converter-ready sheets	Buyer sheet sizes
4	Steam, laboratory and humidity control	Maintains bond and board strength	E-flute/B/C screen as chosen

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 three-/five-ply corrugated-board factory equipment.



Made-in-China supplier reference: second real machine configuration for three-/five-ply corrugated-board factory.

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

Plant, Raw Materials & Utility Requirements

Raw materials

- Qualified recycled or imported liner/medium paper, starch, borax/approved adhesive additives
- Roll wrapping, pallets and sheet protection

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, condensate return, compressed air and humidity-managed warehouse
- Paper-dust extraction, guarded nip points and waste-board recovery

Quality, safety and environmental controls

- Inspect paper roll grammage, moisture and strength
- Check adhesive viscosity, steam pressure, flute formation and bond
- Test edge crush, burst, moisture, flatness, dimensions and stacking condition

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 lower entry is a single-width board plant selling sheets to existing converters, not a full printing-and-carton complex.

Component	Indicative range	Notes
Corrugator, glue kitchen and cut-off	US\$650k-1.8m	Controlled board family
Steam, power, warehouse interfaces and testing	US\$250k-700k	Utility and quality scope
Installation, spares and commissioning	US\$150k-450k	Converter integration
Indicative project total	US\$1.05m-2.95m	Land and paper 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

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