



Carton Printing, Slotting & Box-Conversion Line

Complete Turnkey Business Proposal



Made-in-China supplier reference: real carton printing, slotting & box-conversion line equipment.

1-2 colours launch print scope	60 sheets/min upper supplier screening	RSC primary box style	10-18 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 small/medium box-conversion plant turning purchased corrugated sheets into printed regular slotted cartons and selected die-cut boxes through sheet receiving and conditioning, order planning, flexographic ink and plate preparation, lead-edge or chain feeding, one- or two-colour printing, creasing and slotting, optional rotary die cutting, waste stripping, folding, gluing or wire stitching, bundling, compression testing and dispatch. It does not manufacture corrugated board.

Why this project fits Afghanistan

- Afghan food, beverage, soap, pharmaceutical and consumer-goods producers need short-run cartons.
- Buying sheets avoids the capital and paper-stock burden of a full corrugator.
- One- or two-colour RSC work serves many launch customers with limited plate inventory.
- Print register and box compression must be sold by tested specification, not machine speed alone.

Sanaatchi delivery scope

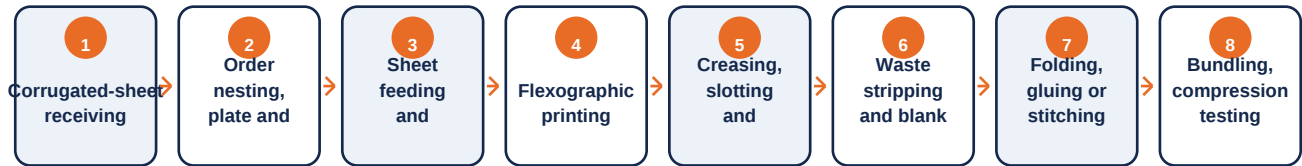
- Factory setup planning, supplier pre-qualification, and technical comparison
- Complete production-line and individual equipment supply
- Factory layout, utilities, civil-work coordination, installation, and commissioning
- Raw-material sourcing, trial-batch qualification, and repeat supply planning
- International logistics, customs documentation, operator training, spare parts, and after-sales support

Recommended configuration

Launch standard regular slotted cartons in one or two flexographic colours using purchased three- or five-ply sheets. Screen a semi-automatic lead-edge printer-slotter with rotary die-cut module only if confirmed jobs require it, plus plate-mounting table, ink kitchen, manual or semi-automatic folder-gluer/stitcher, strapping machine and box-compression laboratory. Match maximum sheet size to real customers.

Manufacturing Process & Product Portfolio

Integrated process flow



Target products

Product	Typical specification	Primary market
Regular slotted carton	Approved board grade, internal dimensions, print, slot, joint, compression and bundle quantity	Food, beverage, household and industrial shippers
Simple rotary die-cut carton	Customer-approved die, crease, print register and erection performance	Display, produce and selected retail packs

Maximum sheet size, board flute, print area, register, slot depth and joint method must be frozen by customer portfolio. Acceptance uses customer sheets and designs and records feeding reliability, speed at saleable quality, print colour/register, slot/crease accuracy, die-cut waste, glue or stitch joint strength, squareness, box compression and setup waste. Water-based ink effluent needs controlled handling.

Core Equipment Schedule

Step	Equipment	Function	Indicative parameter
1	Sheet conditioning and feed tables	Stages flat corrugated blanks	Maximum customer sheet size
2	One/two-colour flexo printer-slotter	Prints, creases and slots RSC blanks	Semi-automatic entry
3	Optional rotary die-cut section	Cuts special contours and ventilation holes	Only for contracted demand
4	Plate mounting and ink kitchen	Controls artwork, viscosity and colour	Water-based ink route
5	Folder-gluer or wire stitcher	Joins the manufacturer seam	Board and customer specific
6	Strapper and bundle tools	Forms count-controlled shipping bundles	Manual pallet handling
7	Carton laboratory	Tests board, dimensions and box compression	Customer specification

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

YIKE GROUP



Made-in-China supplier reference: real carton printing, slotting & box-conversion line equipment.



Made-in-China supplier reference: second real machine configuration for carton printing, slotting & box-conversion line.

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

Plant, Raw Materials & Utility Requirements

Raw materials

- Released three- or five-ply corrugated sheets
- Photopolymer flexographic plates and water-based inks
- Approved cold glue or stitching wire
- Straps, pallets, wrap, labels, dies and machine spares

Utilities & infrastructure

- Stable three-phase power and dry compressed air
- Dry sheet warehouse with humidity control
- Safe sheet handling and ergonomic feed area
- Ink wash station with controlled wastewater
- Plate, die and finished-carton storage

Quality, safety and environmental controls

- Release sheet grade, moisture, warp and dimensions
- Approve artwork, plate, ink viscosity and master colour
- Control feed alignment, register, crease and slot
- Verify glue or stitch joint and squareness
- Test finished dimensions and box compression
- Record order waste and trace sheets, ink and plates

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 plant buys corrugated sheets and makes one- or two-colour regular slotted cartons with semi-automatic joining. Full corrugation, multi-colour high-speed automation, building and board working stock are excluded.

Component	Indicative range	Notes
One/two-colour printer-slotter	US\$28k-72k	Semi-automatic lead-edge basis
Folding, gluing/stitching and strapping	US\$10k-28k	RSC launch scope
Plates, ink kitchen, dies and laboratory	US\$8k-24k	Customer-specification controls
Freight, installation, training and spares	US\$12k-35k	Sheet size and automation dependent
Indicative installed low-entry total	US\$58k-159k	Corrugator, building and sheet 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

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