

Laminate Flooring Line

Complete Turnkey Business Proposal



Made-in-China supplier reference: real laminate flooring line equipment.

controlled input material gate	defined format launch scope	surface test quality gate	batch records traceability
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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

Converts approved MDF/HDF boards and decorative overlay into laminate flooring through board conditioning, adhesive/resin treatment, hot pressing, cooling, profiling, inspection and packaging.

Why this project fits Afghanistan

- Surface and dimensional quality decide buyer acceptance.
- Use a limited range at launch.
- Validate installation compatibility before dispatch.

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

Secure board quality, abrasion class, moisture resistance, click-lock geometry and décor supply before screening a line.

Manufacturing Process & Product Portfolio

Integrated process flow



Target products

Product	Typical specification	Primary market
Laminate flooring planks	Board density, thickness, décor, abrasion class, moisture resistance, click-lock fit and flatness	Flooring retailers, contractors and housing projects

Supplier must prove the defined material, equipment and acceptance sample before purchase.

Core Equipment Schedule

Step	Equipment	Function	Indicative parameter
1	Board handling/conditioning	Stabilises MDF/HDF base	Moisture/density check
2	Hot press/lamination	Bonds decorative layers	Defined press recipe
3	Profiling line	Machines plank edges	Click-lock format
4	QC/packing station	Releases floor system	Abrasion/fit check

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 laminate flooring line equipment.



Made-in-China supplier reference: second real machine configuration for laminate flooring line.

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

Plant, Raw Materials & Utility Requirements

Raw materials

- MDF/HDF boards, décor paper, overlay, resin/adhesive, edge treatment and packaging

Utilities & infrastructure

- Stable power, ventilation, dust control and dry storage
- Guarded hot/cutting equipment and maintenance spares

Quality, safety and environmental controls

- Check board moisture/density, surface bond, abrasion, flatness, lock fit and panel dimensions

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

A laminate line depends on stable HDF/MDF and surface durability testing; it is not a basic carpentry operation.

Component	Indicative range	Notes
Pressing and board handling	US\$300k-900k	Industrial board process
Profiling, inspection and packing	US\$150k-450k	Click-lock system
Indicative total	US\$500k-1.35m	Board inventory 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://www.alibaba.com/showroom/flooring-production-line.html>
- https://www.made-in-china.com/products-search/hot-china-products/Flooring_Production_Line.html