

PVC Artificial-Marble Wall-Sheet Line

Complete Turnkey Business Proposal

XING PAI



Made-in-China supplier reference: real pvc artificial-marble wall-sheet line equipment.

compound controlled input	extrusion process core	limited range launch scope	dry storage release condition
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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

Produces high-gloss PVC artificial-marble wall sheets through controlled formulation, sheet extrusion, calibration, hot lamination/printing, cutting, film protection and surface inspection.

Why this project fits Afghanistan

- Profile geometry and formulation control determine acceptance.
- Use only a limited décor/profile range at launch.
- Verify surface quality and installer fit 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

Treat this as a medium-industrial surface-product line: validate sheet thickness, gloss, print/film adhesion, scratch resistance and installer demand before investment.

Manufacturing Process & Product Portfolio

Integrated process flow



Target products

Product	Typical specification	Primary market
PVC artificial-marble wall sheets	Sheet thickness, width, flatness, gloss, print definition, film adhesion and scratch resistance	Interior distributors, showrooms, commercial fit-out and housing projects

Supplier must prove the defined die, compound and acceptance sample before purchase.

Core Equipment Schedule

Step	Equipment	Function	Indicative parameter
1	High-speed mixer and feeder	Prepares sheet compound	Gloss-grade formulation
2	Sheet extruder/calender	Forms flat substrate	Controlled thickness
3	Laminator/printing line	Creates marble surface	Adhesion-tested film
4	Cutter and protective-film station	Protects saleable sheets	Scratch-free release

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 pvc artificial-marble wall-sheet line equipment.



Made-in-China supplier reference: second real machine configuration for pvc artificial-marble wall-sheet line.

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

Plant, Raw Materials & Utility Requirements

Raw materials

- PVC resin, calcium carbonate, stabiliser, modifiers, masterbatch, marble film/ink and protective film

Utilities & infrastructure

- Stable power, cooling water, ventilation and dry covered storage
- Guarded hot equipment, dust extraction and maintenance spares

Quality, safety and environmental controls

- Check thickness, flatness, gloss, visual defects, film adhesion and scratch resistance

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

This is not a low-entry workshop; high-gloss sheet quality depends on formulation, clean handling and surface-process control.

Component	Indicative range	Notes
Mixing, sheet extrusion and calibration	US\$150k-400k	Medium industrial scope
Lamination/printing, cutting and packing	US\$80k-250k	Surface-quality equipment
Indicative total	US\$250k-650k	Working capital and certification 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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