

SPC Stone-Plastic Flooring Line

Complete Turnkey Business Proposal



Made-in-China supplier reference: real spc stone-plastic 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

Produces rigid SPC flooring by compounding PVC and calcium carbonate, sheet extrusion/calendering, decorative-film lamination, UV coating, profiling, inspection and packing.

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

Treat as a medium industrial line: prove click-lock geometry, thickness, wear layer, flatness and installation performance before investment.

Manufacturing Process & Product Portfolio

Integrated process flow



Target products

Product	Typical specification	Primary market
SPC flooring planks	Thickness, click-lock geometry, wear layer, flatness, surface adhesion and dimensional stability	Flooring distributors, housing and commercial fit-out

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

Core Equipment Schedule

Step	Equipment	Function	Indicative parameter
1	Mixer and sheet extruder	Forms rigid SPC sheet	Tested formula
2	Laminator/UV coater	Applies décor and protection	Wear-layer target
3	Profiling line	Machines click-lock edges	Defined plank format
4	Inspection/packing	Releases installable planks	Flatness/fit test

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 spc stone-plastic flooring line equipment.



Made-in-China supplier reference: second real machine configuration for spc stone-plastic flooring 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, décor film, UV coating 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 thickness, weight, lock fit, flatness, film bond 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

SPC is not a low-entry workshop; lock quality and surface durability must be proven.

Component	Indicative range	Notes
Mixing, sheet line and cooling	US\$250k-700k	Medium industrial
Lamination, profiling and packing	US\$180k-550k	Surface/click-lock scope
Indicative total	US\$450k-1.25m	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

- <https://www.alibaba.com/showroom/flooring-production-line.html>
- https://www.made-in-china.com/products-search/hot-china-products/Flooring_Production_Line.html