

Lightweight Artificial-Stone Veneer Line

Complete Turnkey Business Proposal



Made-in-China supplier reference: real lightweight artificial-stone veneer line equipment.

approved sample market gate	defined formats launch scope	performance test release 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 thin lightweight artificial-stone veneer using an approved mineral-filler/binder formulation in flexible or thin-panel moulds, with controlled cure, trimming, texture/colour finishing, bond checks and packing.

Why this project fits Afghanistan

- Approve a physical sample and installation system.
- Launch only the selected formats and finishes.
- Keep material and quality records for each batch.

Sanaatchi delivery scope

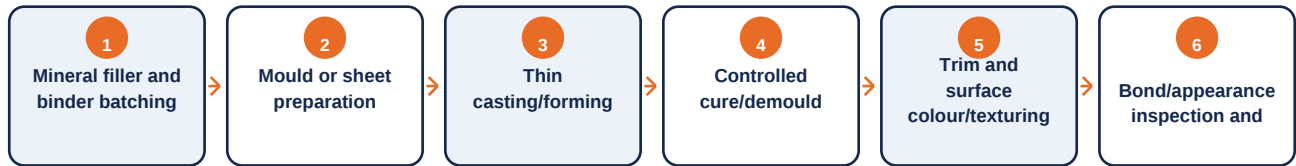
- Factory setup planning, supplier pre-qualification, and technical comparison
- Complete production-line and individual equipment supply
- Factory layout, utilities, civil-work coordination, installation, and commissioning
- Raw-material sourcing, trial-batch qualification, and repeat supply planning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

Recommended configuration

Launch only after selecting the exact substrate and installation system. Prove flexibility or panel stability, bond strength, colour, UV/weather performance where relevant and adhesive compatibility.

Manufacturing Process & Product Portfolio

Integrated process flow



Target products

Product	Typical specification	Primary market
Lightweight artificial-stone veneer	Veneer thickness, texture, weight, flexibility or panel stability, bond strength, colour, edge quality and installation system	Interior contractors, façade/interior fit-out, retailers, restaurants, hotels and housing projects

Supplier scope, actual materials, performance targets and acceptance sample must be confirmed before purchase.

Core Equipment Schedule

Step	Equipment	Function	Indicative parameter
1	Filler/binder mixer	Prepares veneer compound	Approved formulation
2	Thin mould/forming station	Sets texture and thickness	Defined veneer format
3	Cure/trim area	Stabilises thin products	Cure/edge check
4	Finish/QC bench	Matches approved sample	Colour/bond 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 lightweight artificial-stone veneer line equipment.



Made-in-China supplier reference: second real machine configuration for lightweight artificial-stone veneer line.

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

Plant, Raw Materials & Utility Requirements

Raw materials

- Specified mineral filler, binder/resin, pigments, release agent, backing/reinforcement if approved, adhesive samples and packaging

Utilities & infrastructure

- Stable power, extraction/ventilation and dry covered production/storage
- Guarded cutting/mixing equipment, documented maintenance and essential spares

Quality, safety and environmental controls

- Check thickness, weight, texture, cure, edge quality and bond strength
- Validate substrate/adhesive and UV/weather performance for every use case
- Maintain ventilation/PPE according to binder SDS

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 a thin composite decorative material, not a stone-cutting operation; product performance must be proven with the intended adhesive and substrate.

Component	Indicative range	Notes
Mixing, moulds and forming	US\$10k-35k	Small veneer launch
Cure, finish and QC	US\$8k-35k	Texture/colour scope
Indicative entry total	US\$25k-80k	Formula development and 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

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