



Terrazzo Stair Nosing & Steps Line

Complete Turnkey Business Proposal



Made-in-China supplier reference: real terrazzo stair nosing & steps 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 terrazzo stair treads and nosing pieces from graded stone chips, cement, pigments and water through moulding, vibration, controlled cure, grinding/polishing and anti-slip/edge inspection.

Why this project fits Afghanistan

- Approve a physical sample and installation system.
- Begin with selected sizes, profiles and finishes.
- Keep material and quality records for every batch.

Sanaatchi delivery scope

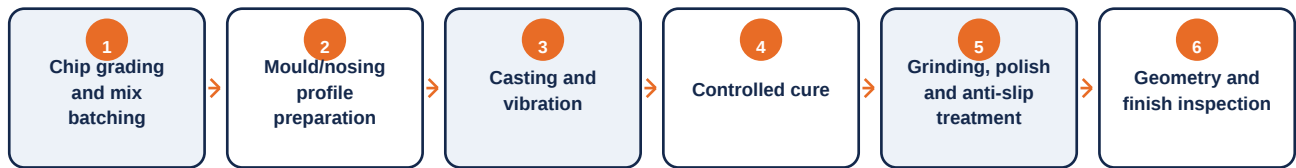
- Factory setup planning, supplier pre-qualification, and technical comparison
- Complete production-line and individual equipment supply
- Factory layout, utilities, civil-work coordination, installation, and commissioning
- Raw-material sourcing, trial-batch qualification, and repeat supply planning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

Recommended configuration

Start with a small range of rise/run and nosing profiles. Confirm slip resistance, strength, polish, edge geometry and installation details before production.

Manufacturing Process & Product Portfolio

Integrated process flow



Target products

Product	Typical specification	Primary market
Terrazzo stair treads and nosing	Step geometry, thickness, chip distribution, strength, polish, anti-slip finish, edge quality and installation fit	Housing, schools, commercial buildings, stair contractors and tile dealers

Supplier scope, actual materials, installation requirements and acceptance sample must be confirmed before purchase.

Core Equipment Schedule

Step	Equipment	Function	Indicative parameter
1	Batch mixer	Controls terrazzo recipe	Chip/cement ratio
2	Tread/nosing moulds	Forms step geometry	Selected rise/run profiles
3	Curing area	Develops strength	Cure record
4	Grinding/polish station	Finishes safe tread face	Flatness/slip 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 terrazzo stair nosing & steps line equipment.



Made-in-China supplier reference: second real machine configuration for terrazzo stair nosing & steps line.

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

Plant, Raw Materials & Utility Requirements

Raw materials

- Graded stone chips, cement, pigments, water, release agent, abrasives, anti-slip treatment and packaging

Utilities & infrastructure

- Stable power, covered production/storage and reliable water where concrete is used
- Guarded cutting/forming equipment, documented maintenance and essential spares

Quality, safety and environmental controls

- Check step dimensions, edge/nosing profile and surface polish
- Test strength, absorption and slip resistance
- Confirm structural support and installation/grout system

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

Stair terrazzo is not a flat tile: rise/run accuracy, nosing geometry and anti-slip finish control the finished product.

Component	Indicative range	Notes
Mixing, moulds and vibration	US\$8k-28k	Small terrazzo stair scope
Curing, grinding and finish	US\$10k-38k	Edge/slip-quality scope
Indicative entry total	US\$22k-70k	Workshop/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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