

Terrazzo Floor Tiles Production Line

Complete Turnkey Business Proposal



Made-in-China supplier reference: real terrazzo floor tiles production line equipment.

approved sample market gate	defined range launch scope	quality 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 floor tiles from graded stone chips, cement, pigments and water through batching, mould filling, vibration/pressing, controlled curing, grinding/polishing, dimensional inspection and packing.

Why this project fits Afghanistan

- Approve a physical sample and installation system.
- Start with a focused, saleable range.
- Keep records of material and quality checks.

Sanaatchi delivery scope

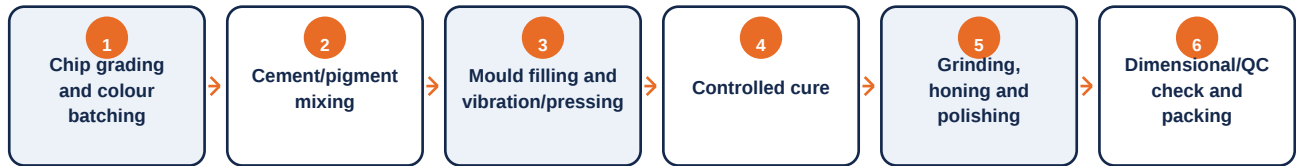
- Factory setup planning, supplier pre-qualification, and technical comparison
- Complete production-line and individual equipment supply
- Factory layout, utilities, civil-work coordination, installation, and commissioning
- Raw-material sourcing, trial-batch qualification, and repeat supply planning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

Recommended configuration

Start with a limited tile format and tested stone-chip blends. Verify compressive strength, water absorption, polish quality, thickness and installation compatibility before commercial production.

Manufacturing Process & Product Portfolio

Integrated process flow



Target products

Product	Typical specification	Primary market
Terrazzo floor tiles	Tile size/thickness, chip distribution, density, compressive strength, water absorption, flatness, polish and colour consistency	Housing, shops, schools, public buildings, flooring contractors and tile dealers

Supplier scope, actual material, dimensions and acceptance sample must be confirmed before purchase.

Core Equipment Schedule

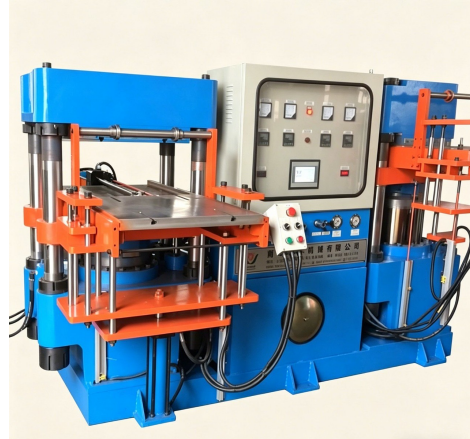
Step	Equipment	Function	Indicative parameter
1	Chip bins/mixer	Controls terrazzo recipe	Approved blend/colour
2	Vibropress or mould station	Forms dense tiles	Thickness/density check
3	Curing racks/area	Develops strength	Controlled cure time
4	Grinding/polishing line	Reveals chip finish	Flatness/polish 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 terrazzo floor tiles production line equipment.



Made-in-China supplier reference: second real machine configuration for terrazzo floor tiles production line.

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

Plant, Raw Materials & Utility Requirements

Raw materials

- Graded local stone chips, cement, pigments, water, release agent, abrasives, grout/installation samples and packaging

Utilities & infrastructure

- Stable power, dry covered workshop space and protected storage
- Guarded cutting/forming equipment, documented maintenance and essential spares

Quality, safety and environmental controls

- Check tile dimensions, thickness, flatness and chip distribution
- Test strength, absorption and surface polish from production samples
- Maintain curing discipline and match grout/subfloor installation 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

Terrazzo is a local-material opportunity, but curing, density and polishing determine whether tiles remain stable and saleable.

Component	Indicative range	Notes
Mixing, moulding and vibration	US\$10k-35k	Small terrazzo tile scope
Curing, grinding and polishing	US\$15k-55k	Surface-quality equipment
Indicative entry total	US\$35k-110k	Land, building 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

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/terrazzo-tile-making-machine.html>
- https://www.made-in-china.com/products-search/hot-china-products/Terrazzo_Tile_Machine.html