

Large-Format Terrazzo Slabs Line

Complete Turnkey Business Proposal



Made-in-China supplier reference: real large-format terrazzo slabs 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 large-format terrazzo slabs using controlled chip/cement batching, large mould casting or pressing, extended curing, calibrated grinding/polishing, reinforcement/handling and strict flatness inspection.

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

Treat as medium industrial production. Confirm slab format, lifting/handling, structural thickness, curing capacity, grinder calibration and target-project standards before investment.

Manufacturing Process & Product Portfolio

Integrated process flow



Target products

Product	Typical specification	Primary market
Large-format terrazzo slabs	Slab length/width/thickness, reinforcement, density, flatness, strength, polish, edge quality and safe lifting points	Commercial interiors, hotels, malls, public buildings, façade/interior fabricators and slab distributors

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

Core Equipment Schedule

Step	Equipment	Function	Indicative parameter
1	Large batch mixer	Controls slab recipe	Chip/cement distribution
2	Large mould/vibration table	Forms slab	Thickness/reinforcement controlled
3	Curing/handling system	Develops strength safely	Rack/hoist capacity
4	Calibrating/polishing line	Finishes large surface	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 large-format terrazzo slabs line equipment.



Made-in-China supplier reference: second real machine configuration for large-format terrazzo slabs 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, reinforcement where designed, release agent, abrasives, lifting protection and slab 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

- Engineer safe lifting, reinforcement and curing before production
- Check thickness, strength, flatness, polish and edge condition on each format
- Confirm installation, subfloor and transport requirements for heavy slabs

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

Large terrazzo slabs are not enlarged tiles: handling, curing, calibration and structural integrity need an industrial layout and lifting plan.

Component	Indicative range	Notes
Large casting, vibration and handling	US\$120k-400k	Medium slab process
Curing, calibration and polishing	US\$150k-500k	Large-surface quality scope
Indicative total	US\$300k-950k	Building, cranes and working 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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