

Stone-Coated Metal Roofing Tiles Line

Complete Turnkey Business Proposal



Made-in-China supplier reference: real stone-coated metal roofing tiles 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

Manufactures stone-coated metal roofing tiles from coated steel sheet by profile pressing, cleaning/primer application, adhesive/resin coating, coloured stone-granule application, curing, edge finishing, inspection and packing.

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

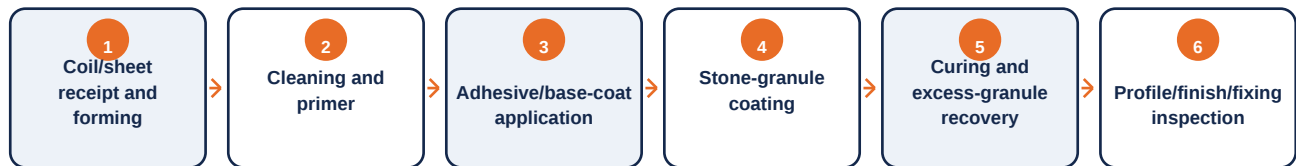
- Factory setup planning, supplier pre-qualification, and technical comparison
- Complete production-line and individual equipment supply
- Factory layout, utilities, civil-work coordination, installation, and commissioning
- Raw-material sourcing, trial-batch qualification, and repeat supply planning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

Recommended configuration

Treat as medium industrial roof-tile production. Confirm steel grade/coating, profile, granule system, cure, corrosion resistance, wind fixing and roofing standard before investment.

Manufacturing Process & Product Portfolio

Integrated process flow



Target products

Product	Typical specification	Primary market
Stone-coated metal roofing tiles	Steel grade/thickness, profile geometry, coating adhesion, granule coverage, corrosion/weather resistance, overlap and fixing detail	Housing, villas, commercial roofs, roofing contractors and building-material dealers

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

Core Equipment Schedule

Step	Equipment	Function	Indicative parameter
1	Press/forming line	Shapes roofing profile	Approved overlap geometry
2	Coating/granule station	Applies weather layer	Coverage/adhesion control
3	Curing oven	Sets coating system	Cure recipe verified
4	QC/packing line	Releases roof tiles	Finish/fixing 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 stone-coated metal roofing tiles line equipment.



Made-in-China supplier reference: second real machine configuration for stone-coated metal roofing tiles line.

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

Plant, Raw Materials & Utility Requirements

Raw materials

- Pre-coated steel sheet, primer, specified adhesive/resin, coloured stone granules, protective coating, fasteners/sample accessories 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 steel thickness/coating, tile profile, granule coverage and adhesion
- Validate corrosion, weather, overlap and wind-fixing performance to target standard
- Control dust, solvents/chemicals and oven safety

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

Stone-coated roofing is a metal-and-coating system; long-term weather, corrosion and fixing performance matter more than its decorative appearance.

Component	Indicative range	Notes
Forming, coating and granule system	US\$350k-1.1m	Medium industrial roof-tile process
Curing, recovery and packing	US\$120k-400k	Finish/environment scope
Indicative total	US\$550k-1.6m	Building, coil/granule inventory 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/roof-tile-production-line.html>
- https://www.made-in-china.com/products-search/hot-china-products/Roof_Tile_Production_Line.html