

Decorative Perforated Metal Ceilings Line

Complete Turnkey Business Proposal



Made-in-China supplier reference: real decorative perforated metal ceilings 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

Manufactures aluminium or steel suspended-ceiling panels by decoiling, levelling, perforating, punching/forming edges, cleaning, powder coating, curing, inspection and protective packing.

Why this project fits Afghanistan

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

Screen a medium coil-processing line only after panel sizes, hole pattern, coil grade/thickness, coating standard, fire requirements and ceiling-grid compatibility are defined.

Manufacturing Process & Product Portfolio

Integrated process flow



Target products

Product	Typical specification	Primary market
Decorative perforated metal ceilings	Metal grade/thickness, perforation pattern, panel flatness, edge geometry, coating adhesion, colour and grid fit	Commercial buildings, airports, retail, offices, hospitals and ceiling contractors

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

Core Equipment Schedule

Step	Equipment	Function	Indicative parameter
1	Decoiler/leveller	Feeds flat coil	Specified metal gauge
2	CNC perforation/punch press	Creates hole pattern	Approved pattern/open area
3	Panel former	Forms grid-compatible edges	Flatness/edge test
4	Powder-coat oven	Applies durable finish	Adhesion/colour control

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 decorative perforated metal ceilings line equipment.



Made-in-China supplier reference: second real machine configuration for decorative perforated metal ceilings line.

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

Plant, Raw Materials & Utility Requirements

Raw materials

- Aluminium or galvanised-steel coil, pre-treatment chemicals, powder coat, protective film, hangers/grid interfaces and packaging

Utilities & infrastructure

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

Quality, safety and environmental controls

- Check coil grade/thickness, open area and panel flatness
- Test coating adhesion, colour and edge quality
- Confirm grid, suspension and project fire requirements

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 metal coil-processing and finishing line; perforation accuracy, flatness and coating quality determine installation acceptance.

Component	Indicative range	Notes
Coil feed, punching and forming	US\$180k-650k	Medium coil-processing line
Coating/curing and packing	US\$100k-350k	Finish quality scope
Indicative total	US\$350k-1m	Coil inventory/building 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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