

Gypsum Cornice & Ceiling Mouldings Line

Complete Turnkey Business Proposal



Made-in-China supplier reference: real gypsum cornice & ceiling mouldings line equipment.

8-15 profiles starter mould library	1-2 mixers entry equipment	manual finish value-added work	15-35 workforce
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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

A compact decorative-building-products line forming repeated gypsum cornices, ceiling roses and mouldings from measured gypsum slurry, reinforcement and reusable profile moulds, followed by controlled setting, demoulding, trimming, drying, inspection and protective packing.

Why this project fits Afghanistan

- Local gypsum and skilled finishing labour can support a low-capital decorative range.
- Mould accuracy, reinforcement placement and controlled drying reduce breakage.
- A focused profile range protects working capital and simplifies stocking.

Sanaatchi delivery scope

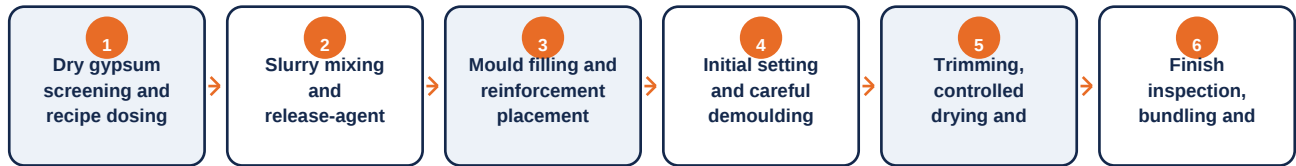
- Factory setup planning, supplier pre-qualification, and technical comparison
- Complete production-line and individual equipment supply
- Factory layout, utilities, civil-work coordination, installation, and commissioning
- Raw-material sourcing, trial-batch qualification, and repeat supply planning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

Recommended configuration

Launch with 8-15 fast-moving profile moulds, tested local gypsum, defined setting time, a dry curing room and sample approval from contractors before expanding the pattern library.

Manufacturing Process & Product Portfolio

Integrated process flow



Target products

Product	Typical specification	Primary market
Decorative gypsum cornices and ceiling mouldings	Profile width, length, straightness, reinforcement, dryness, edge quality and finish	Builders, decorators, ceiling installers and housing projects

A supplier must prove the defined process with representative material, utilities and documented acceptance testing.

Core Equipment Schedule

Step	Equipment	Function	Indicative parameter
1	Gypsum mixer and dosing bench	Makes repeatable slurry	Tested set time
2	Silicone/fibreglass profile moulds	Forms repeatable designs	Approved profiles only
3	Casting tables and reinforcement fixtures	Controls shape and strength	Profile-specific support
4	Drying racks and trimming tools	Prevents damage before packing	Dryness release 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 gypsum cornice & ceiling mouldings line equipment.



Made-in-China supplier reference: second real machine configuration for gypsum cornice & ceiling mouldings line.

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

Plant, Raw Materials & Utility Requirements

Raw materials

- Local gypsum powder, clean water, glass fibre/hessian reinforcement and approved retarders
- Release agent, pigments/finish materials, edge protectors and cartons

Utilities & infrastructure

- Stable three-phase electricity with verified connected load
- Guarded machinery, lockout, ventilation and fire protection
- Covered raw-material and finished-goods storage
- Maintenance tools, safe lifting and critical spare parts
- Clean mixing water, covered dry workspace, low-energy drying and ventilation
- Dust extraction, manual handling controls and dry finished-goods storage

Quality, safety and environmental controls

- Weigh gypsum, water and retarder for each batch
- Check profile dimensions, reinforcement position, edge damage and dryness
- Approve sample finish and packaging before dispatch

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

Start with the profiles contractors request most, use local gypsum after test casting, and add moulds only after repeat sales.

Component	Indicative range	Notes
Mixing, casting tables and starter moulds	US\$6k-18k	Focused profile range
Drying, trimming and packing tools	US\$4k-12k	Manual finish workflow
Workshop preparation, freight and initial spares	US\$5k-15k	Local installation
Indicative low-entry total	US\$15k-45k	Land and working capital 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

- <https://www.alibaba.com/showroom/gypsum-cornice-making-machine.html>
- https://www.made-in-china.com/products-search/hot-china-products/Gypsum_Cornice_Making_Machine.html