



Gypsum Ceiling Medallions & Rosettes Workshop

Complete Turnkey Business Proposal



Made-in-China supplier reference: real gypsum ceiling medallions & rosettes workshop equipment.

local gypsum core input	reusable moulds process basis	dry finish release gate	small team entry operation
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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 decorative casting workshop making circular ceiling medallions and rosettes using detailed reusable moulds, controlled gypsum mix, embedded reinforcement, slow demoulding, drying, hand finishing and protective packaging.

Why this project fits Afghanistan

- Use local gypsum only after test casting.
- Mould quality and controlled drying govern saleable finish.
- Launch with a focused design range and contractor samples.

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 8-12 common diameters and classic designs; test the centre fixing zone, edge detail and handling strength with installers.
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Manufacturing Process & Product Portfolio

Integrated process flow



Target products

Product	Typical specification	Primary market
Gypsum ceiling medallions and rosettes	Diameter, relief detail, centre opening, reinforcement, dryness and finish	Ceiling installers, decorators, heritage renovation and residential projects

Supplier must demonstrate the selected mould, recipe and acceptance sample before purchase.

Core Equipment Schedule

Step	Equipment	Function	Indicative parameter
1	Small mixer and dosing bench	Controls set time and consistency	Decorative casting recipe
2	Round detail moulds	Forms medallion relief	8-12 starter sizes
3	Centre-hole/reinforcement fixtures	Protects installation zone	Installer-approved layout
4	Drying/sanding bench	Delivers clean finish	Dry handling release

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 ceiling medallions & rosettes workshop equipment.



Made-in-China supplier reference: second real machine configuration for gypsum ceiling medallions & rosettes workshop.

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

Plant, Raw Materials & Utility Requirements

Raw materials

- Afghan gypsum, water, glass fibre/hessian and approved setting control
- Release agent, repair compound, sanding consumables and protective cartons

Utilities & infrastructure

- Covered dry workshop and finished-goods storage
- Dust control, guarded tools and safe lifting
- Measured water, approved mould release and batch records
- Workshop electricity, ventilation and packing area

Quality, safety and environmental controls

- Inspect detailed relief, centre opening, edge chips and reinforcement
- Confirm fully dry weight and sample-fit before packing

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

Keep moulds and centre-fixing templates standardised; this is a decorative workshop, not a ceiling-panel factory.

Component	Indicative range	Notes
Mixer, worktables and detail moulds	US\$3k-10k	Focused size range
Drying, finish and packing tools	US\$2k-7k	Workshop scope
Indicative low-entry total	US\$7k-20k	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

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