

Gypsum-Cornice Mould Production Workshop

Complete Turnkey Business Proposal



Made-in-China supplier reference: real gypsum-cornice mould production workshop equipment.

approved pattern market gate	defined mould family launch scope	trial cast 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

Makes silicone, FRP or rigid backing moulds for gypsum cornices by master-profile preparation, parting and release, flexible face mould casting, optional FRP backing, cure, trim and gypsum-cornice trial casting.

Why this project fits Afghanistan

- Approve a physical sample and applicable standard.
- Launch with a defined product range and documented tool settings.
- Keep material and quality records for each batch.

Sanaatchi delivery scope

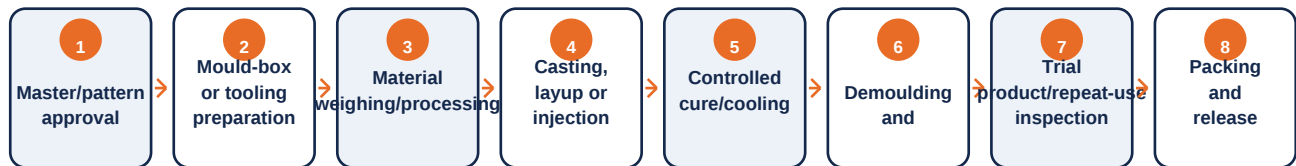
- Factory setup planning, supplier pre-qualification, and technical comparison
- Complete production-line and individual equipment supply
- Factory layout, utilities, civil-work coordination, installation, and commissioning
- Raw-material sourcing, trial-batch qualification, and repeat supply planning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

Recommended configuration

Begin with local high-demand cornice profiles and one mould technology. Confirm master accuracy, profile straightness, mould length, backing stiffness, gypsum release, repeat cycles and safe handling before making large-format moulds.

Manufacturing Process & Product Portfolio

Integrated process flow



Target products

Product	Typical specification	Primary market
Gypsum cornice production moulds	Cornice profile/length, silicone or FRP system, backing frame, mould thickness, straightness, surface detail, release agent and gypsum casting cycles	Gypsum décor workshops, contractors, housing, mosques, hotels, retailers and restoration projects

Supplier scope, materials, utilities, installation requirements and acceptance criteria must be confirmed before purchase.

Core Equipment Schedule

Step	Equipment	Function	Indicative parameter
1	Profile master/CNC bench	Creates cornice masters	Profile/straightness
2	Mould-box/release station	Prepares mould setup	Parting/detail control
3	Silicone or FRP layup cell	Forms mould face/backing	Ratio/laminate schedule
4	Curing rack	Stabilises long moulds	Cure/warp control
5	Gypsum trial station	Checks finished cornice	Release/detail/straightness

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 mould production workshop equipment.



Made-in-China supplier reference: second real machine configuration for gypsum-cornice mould production workshop.

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

Plant, Raw Materials & Utility Requirements

Raw materials

- Silicone or FRP resin/fibreglass, master profiles, release agents, backing frame materials, pigments, trimming/polishing supplies and packaging

Utilities & infrastructure

- Stable electricity, covered raw-material storage and protected finished-goods handling
- Guarded equipment, documented maintenance, essential spares and product-specific safety controls

Quality, safety and environmental controls

- Check master profile, straightness, mould support, cure, surface detail and handling rigidity
- Trial cast gypsum cornices and inspect edge fidelity, release, length/warp and repeat cycles
- Control dust/resin exposure, ventilation and storage appropriate to chosen mould system

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

Cornice moulds sell repeatable straight profiles. Poor master alignment or weak backing produces warped decorative pieces and wasted gypsum.

Component	Indicative range	Notes
Master/profile and mould preparation	US\$2k-10k	Short standard profiles
Cure, backing and trial casting	US\$3k-15k	Straightness control
Setup/PPE/material trials	US\$1k-6k	Sample-led launch
Indicative entry total	US\$6k-31k	Workshop and master design 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/concrete-paver-mould.html>
- https://www.made-in-china.com/products-search/hot-china-products/Mold_Edm_Machine.html