

Silicone Decorative-Mould Workshop

Complete Turnkey Business Proposal



Made-in-China supplier reference: real silicone decorative-mould workshop equipment.

approved sample market gate	defined range 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

Makes reusable silicone-rubber decorative moulds from master patterns through pattern finishing, mould-box preparation, accurate silicone/catalyst weighing, degassing, controlled curing, demoulding, trimming and repeat-cast inspection.

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

Launch with a small family of masters for gypsum, concrete or resin décor. Confirm silicone type, catalyst ratio, cure temperature, release agents, undercuts, wall thickness, tear strength and repeat-cast requirement before pricing moulds.

Manufacturing Process & Product Portfolio

Integrated process flow



Target products

Product	Typical specification	Primary market
Silicone decorative moulds	Silicone type/shore hardness, catalyst ratio, mould thickness, master pattern, undercut design, tear strength, cure time, release agent and expected casting cycles	Gypsum décor, artificial stone, concrete ornaments, resin craft, wall panels and restoration workshops

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

Core Equipment Schedule

Step	Equipment	Function	Indicative parameter
1	Pattern/CNC finishing bench	Prepares masters	Surface/undercut detail
2	Precision scale/mixer	Controls silicone ratio	Catalyst accuracy
3	Vacuum chamber	Removes bubbles	Degassing time
4	Curing racks	Stabilises moulds	Temperature/cure record
5	Trial-cast bench	Checks repeat use	Tear/detail 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 silicone decorative-mould workshop equipment.

 **Haineng**



Made-in-China supplier reference: second real machine configuration for silicone decorative-mould workshop.

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

Plant, Raw Materials & Utility Requirements

Raw materials

- RTV silicone rubber, catalyst, pigments where needed, master patterns, release agents, mould boxes, backing materials, trimming blades and packing

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

- Weigh silicone and catalyst precisely; record batch and cure conditions
- Check bubbles, wall thickness, tear-prone undercuts, surface detail and dimensional shrinkage
- Approve trial casts and repeat demould cycles with the intended gypsum/concrete/resin material

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

A silicone mould is bought for detail retention and repeat use. Cheap silicone, wrong ratio or trapped air causes failures long before the mould looks worn.

Component	Indicative range	Notes
Pattern, weighing and mixing tools	US\$2k-8k	Small master range
Vacuum, curing and trimming equipment	US\$2k-10k	Bubble/cure control
Trial cast materials and setup	US\$1k-5k	Sample-led release
Indicative entry total	US\$5k-23k	Workshop and master-design cost 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/mould-making-machine.html>
- https://www.made-in-china.com/products-search/hot-china-products/Silicone_Mold_Making.html