

Marble & Quartz Countertops Workshop

Complete Turnkey Business Proposal



Made-in-China supplier reference: real marble & quartz countertops 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

Fabricates marble, granite and engineered-quartz countertops by slab handling, CNC/bridge cutting, edge profiling, sink cut-outs, polishing, dry fit, sealing and protected installation packing.

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

Use a sample-led workshop with defined slab thicknesses, edge profiles and supported cut-out rules. Confirm stone source, silica-dust controls, water recycling, lifting, breakage risk and site templating before buying a larger CNC bridge.

Manufacturing Process & Product Portfolio

Integrated process flow



Target products

Product	Typical specification	Primary market
Marble and quartz countertops	Stone/slab type and thickness, cut and edge profile, sink/hob cut-out reinforcement, polish, seams, sealant, support and installation template	Kitchens, bathrooms, hotels, villas, apartment projects, retailers and stone contractors

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

Core Equipment Schedule

Step	Equipment	Function	Indicative parameter
1	Slab rack and lifting system	Handles heavy stone safely	Load/suction safety
2	Bridge saw or CNC	Cuts profiles and openings	Slab/cut tolerance
3	Edge profiler/polisher	Finishes exposed edges	Profile/polish consistency
4	Water/dust treatment	Controls wet cutting waste	Slurry/recycling plan
5	Dry-fit/QC bench	Checks seams and delivery	Template/finish 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 marble & quartz countertops workshop equipment.



Made-in-China supplier reference: second real machine configuration for marble & quartz countertops workshop.

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

Plant, Raw Materials & Utility Requirements

Raw materials

- Marble, granite or quartz slabs, reinforcement bars, resin/adhesive, sealer, polishing tools, water-treatment consumables, packing and installation fittings

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

- Approve slab quality, thickness, colour movement and cut-out layout before cutting
- Control edge finish, polish, seam alignment, opening support and crack-free handling
- Test dry fit, level, joint quality, sealant cure and safe lifting/installation method

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

Countertop workshops must price waste, breakage, lifting and templates accurately. A polished edge cannot repair a wrong cut-out or weak installation support.

Component	Indicative range	Notes
Slab handling and wet cutting equipment	US\$25k-110k	Manual/bridge-saw scope
Profiling, polishing and water treatment	US\$18k-85k	Stone/quartz capability
Templates, installation and safety setup	US\$10k-45k	Dust and lifting controls
Indicative entry total	US\$53k-240k	Workshop and slab inventory 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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