

Decorative Facing Bricks & Brick Slips Line

Complete Turnkey Business Proposal



Made-in-China supplier reference: real decorative facing bricks & brick slips line equipment.

approved sample market gate	defined formats 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

Produces fired decorative facing bricks and thin brick slips from prepared clay through body preparation, extrusion or pressing, surface texturing, drying, kiln firing, colour sorting, cutting of approved bricks into slips, inspection and protective packing.

Why this project fits Afghanistan

- Approve a physical product sample and its applicable performance standard.
- Launch with a limited, high-demand format and documented mould/tool setting.
- Keep batch, firing/cure and release records for every production lot.

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

Treat this as a brick-and-kiln project, not only a cutting operation. Begin with selected clay, two or three facing textures and a measured firing programme; use brick-slip cutting only from fully released facing bricks and control thickness, dust and edge chipping.

Manufacturing Process & Product Portfolio

Integrated process flow



Target products

Product	Typical specification	Primary market
Decorative facing bricks and brick slips	Clay colour/texture, dimensions, fired strength, absorption, face quality, slip thickness, saw-cut finish and installation system	Building façades, compounds, restaurants, villas, retail projects and cladding installers

Supplier scope, raw-material suitability, installation requirements and acceptance sample must be confirmed before purchase.

Core Equipment Schedule

Step	Equipment	Function	Indicative parameter
1	Clay preparation unit	Controls ceramic body and moisture	Local-clay test recipe
2	Brick extruder/press and texture tools	Forms decorative face brick	Approved sizes/textures
3	Dryer and kiln	Prevents cracks and fires durable brick	Recorded drying/firing curve
4	Brick-slip saw and dust extraction	Cuts released bricks to veneer thickness	Thickness/chip control
5	Sorting and packing tables	Builds colour-matched lots	Shade/face-grade rules

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 decorative facing bricks & brick slips line equipment.



Made-in-China supplier reference: second real machine configuration for decorative facing bricks & brick slips line.

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

Plant, Raw Materials & Utility Requirements

Raw materials

- Tested Afghan clay, grog/sand where required, water, kiln fuel or electricity, saw blades, optional stains/engobes, packaging and installers' sample boards

Utilities & infrastructure

- Stable three-phase electricity, covered raw-material storage and protected finished-goods space
- Guarded machinery, documented maintenance, essential spares and defined dust/heat controls

Quality, safety and environmental controls

- Test clay shrinkage, firing colour, strength and absorption before plant selection
- Grade facing-brick face, shade, warpage and dimensions after firing
- Check brick-slip thickness, edge chipping, saw marks and cladding adhesive/anchor compatibility

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

Brick slips inherit the face quality and fired durability of the parent brick. Cheap cutting cannot compensate for a weak, warped or poorly fired facing brick.

Component	Indicative range	Notes
Clay preparation and forming	US\$55k-180k	Facing-brick quality scope
Drying, kiln and colour sorting	US\$140k-480k	Fuel/firing system dependent
Slip cutting, dust control and packing	US\$18k-65k	Released-brick conversion
Indicative project total	US\$250k-820k	Land, building and clay stock 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/facing-brick-making-machine.html>
- https://www.made-in-china.com/products-search/hot-china-products/Brick_Making_Machine.html