

Solid & Engineered Wooden Doors Line

Complete Turnkey Business Proposal



Made-in-China supplier reference: real solid & engineered wooden doors line equipment.

approved sample market gate	defined range launch scope	performance test release gate	batch records traceability
---------------------------------------	--------------------------------------	---	--------------------------------------

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 solid and engineered wooden doors from conditioned timber, veneers or boards through grading, kiln conditioning, ripping/planing, finger-joint/lamination where used, panel/frame machining, pressing, sanding, edge preparation, finishing, hardware drilling and protected 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

Launch with one door construction and controlled moisture target. Afghan/local timber must be graded and dried before machining; confirm warp resistance, glue system, veneer/finish, hardware and installation samples before scaling capacity.

Manufacturing Process & Product Portfolio

Integrated process flow



Target products

Product	Typical specification	Primary market
Solid and engineered wooden doors	Wood species/moisture, construction, thickness, flatness, glue bond, veneer/finish, edge quality, hardware preparation and installation tolerance	Homes, hotels, offices, furniture retailers, joinery contractors and renovation projects

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

Core Equipment Schedule

Step	Equipment	Function	Indicative parameter
1	Moisture meter and conditioning store	Stabilises wood before machining	Species/moisture target
2	Rip/planer/lamination cell	Prepares engineered blanks	Glue/joint quality
3	CNC door router	Machines panels and hardware points	Door design program
4	Press and sanding line	Flattens and finishes door faces	Press/cure/surface quality
5	Finishing/QC station	Releases stable doors	Flatness/finish/hardware check

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 solid & engineered wooden doors line equipment.



Made-in-China supplier reference: second real machine configuration for solid & engineered wooden doors line.

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

Plant, Raw Materials & Utility Requirements

Raw materials

- Conditioned wood or engineered cores, veneers/MDF where specified, adhesives, finishing materials, hardware, sanding consumables and protective 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

- Measure wood moisture and grade defects before every production lot
- Control glue spread, press time, flatness, edge quality and finish cure
- Check warp, delamination, hinge/lock machining and site installation allowances

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

Wood doors fail from moisture and construction mistakes long before final finishing. Drying, stable blanks and controlled glue joints are the real entry requirements.

Component	Indicative range	Notes
Conditioning, machining and blank preparation	US\$18k-70k	Small door workshop
Pressing, sanding, finishing and hardware tools	US\$15k-65k	One product family
Freight, setup and spares	US\$12k-45k	Wood/moisture trials required
Indicative entry total	US\$45k-180k	Workshop and wood 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

Sanaatchi Industrial Vision Group

Afghanistan Office: +93 779 819 820 | info@sanaatchi.com

China Office: +86 159 5171 6867 | china@sanaatchi.com

Website: www.sanaatchi.com

Research and image references

- <https://www.alibaba.com/showroom/facade-panel-production-line.html>
- https://www.made-in-china.com/products-search/hot-china-products/Door_Making_Machine.html