

WPC Waterproof Door-Panel Line

Complete Turnkey Business Proposal



Made-in-China supplier reference: real wpc waterproof door-panel line equipment.

compound controlled input	extrusion process core	limited range launch scope	dry storage release condition
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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

Extrudes WPC door-core or panel profiles, then calibrates, cuts, reinforces where engineered, surfaces, drills and packs defined waterproof interior-door components.

Why this project fits Afghanistan

- Profile geometry and formulation control determine acceptance.
- Use only a limited décor/profile range at launch.
- Verify surface quality and installer fit before dispatch.

Sanaatchi delivery scope

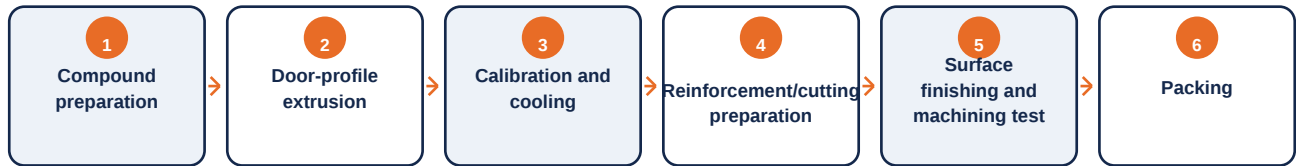
- Factory setup planning, supplier pre-qualification, and technical comparison
- Complete production-line and individual equipment supply
- Factory layout, utilities, civil-work coordination, installation, and commissioning
- Raw-material sourcing, trial-batch qualification, and repeat supply planning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

Recommended configuration

Confirm door size, lock/hinge reinforcement, screw holding, thermal movement and installer machining before selecting dies.

Manufacturing Process & Product Portfolio

Integrated process flow



Target products

Product	Typical specification	Primary market
WPC waterproof door panels	Door-core geometry, thickness, screw holding, reinforcement, flatness, moisture resistance and machining allowance	Door fabricators, housing projects, bathrooms, kitchens and retailers

Supplier must prove the defined die, compound and acceptance sample before purchase.

Core Equipment Schedule

Step	Equipment	Function	Indicative parameter
1	Mixer and WPC extruder	Forms door profile compound	Door-specific recipe
2	Wide calibration table	Maintains flatness	Defined thickness
3	Reinforcement/cutting station	Prepares lock and hinge zones	Engineer-approved insert
4	Machining test bench	Checks fabricator compatibility	Sample door test

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 wpc waterproof door-panel line equipment.



Made-in-China supplier reference: second real machine configuration for wpc waterproof door-panel line.

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

Plant, Raw Materials & Utility Requirements

Raw materials

- Dry wood flour, polymer, additives, masterbatch, reinforcement inserts and decorative film

Utilities & infrastructure

- Stable power, cooling water, ventilation and dry covered storage
- Guarded hot equipment, dust extraction and maintenance spares

Quality, safety and environmental controls

- Check flatness, density, screw holding, insert position, cut quality and machine test

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

Water resistance does not replace proper door design: prove hinge, lock and machining performance with fabricators.

Component	Indicative range	Notes
Mixing, extrusion and calibration	US\$80k-220k	Door-profile family
Cutting, surface and test tools	US\$30k-100k	Fabricator handover
Indicative total	US\$120k-320k	Dies and raw material 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/wpc-decorative-production-line.html>
- https://www.made-in-china.com/products-search/hot-china-products/WPC_Panel_Production_Line.html