

WPC Fluted Interior Wall-Panel Line

Complete Turnkey Business Proposal



Made-in-China supplier reference: real wpc fluted interior wall-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

Compounds wood flour with polymer and additives, then extrudes fluted WPC interior panels with cooling, cutting, optional film lamination and controlled packing.

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

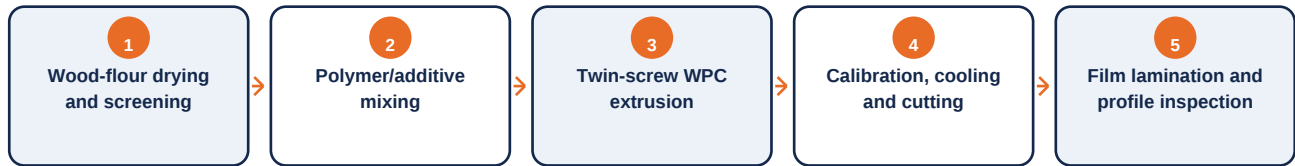
- Factory setup planning, supplier pre-qualification, and technical comparison
- Complete production-line and individual equipment supply
- Factory layout, utilities, civil-work coordination, installation, and commissioning
- Raw-material sourcing, trial-batch qualification, and repeat supply planning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

Recommended configuration

Use screened dry wood flour and one fluted profile; prove density, straightness, face adhesion and clipping system with installers.

Manufacturing Process & Product Portfolio

Integrated process flow



Target products

Product	Typical specification	Primary market
WPC fluted interior wall panels	Profile width, flute geometry, density, straightness, face bond and clipping compatibility	Interior contractors, retailers, offices, shops and housing

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

Core Equipment Schedule

Step	Equipment	Function	Indicative parameter
1	Wood-flour dryer/mixer	Prepares consistent feed	Moisture-controlled
2	WPC extruder/die	Forms fluted profile	One profile
3	Calibration/cooling line	Stabilises dimensions	Straightness check
4	Laminator/cutter	Finishes saleable panel	Approved film

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 fluted interior wall-panel line equipment.



Made-in-China supplier reference: second real machine configuration for wpc fluted interior wall-panel line.

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

Plant, Raw Materials & Utility Requirements

Raw materials

- Screened dry wood flour, PVC/PE polymer, calcium carbonate, additives, masterbatch 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 wood-flour moisture and compound consistency
- Test profile density, straightness, face adhesion, dimensions and clip fit

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 flour must be dry and consistent; keep indoor WPC distinct from weather-exposed decking.

Component	Indicative range	Notes
Drying, mixing and WPC extrusion	US\$60k-160k	One profile
Lamination, cutting and packing	US\$25k-80k	Controlled décor range
Indicative total	US\$90k-240k	Raw material 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/wpc-decorative-production-line.html>
- https://www.made-in-china.com/products-search/hot-china-products/WPC_Panel_Production_Line.html