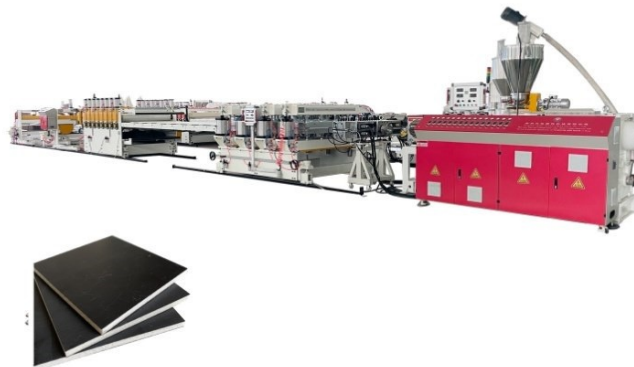




Prefabricated Bathroom Pods Line

Complete Turnkey Business Proposal



Made-in-China supplier reference: real prefabricated bathroom pods line 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

Builds complete prefabricated bathroom pods through base/frame preparation, waterproof lining, wall/ceiling panels, drainage and plumbing, electrical fit-out, sanitaryware installation, watertightness testing, finishing and transport protection.

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

Start with one standardized pod family and a full mock-up. Confirm building interfaces, drainage gradients, waterproofing, electrical/plumbing codes, weight/lifting, door clearance, ventilation, fire requirements and installation sequence before volume production.

Manufacturing Process & Product Portfolio

Integrated process flow



Target products

Product	Typical specification	Primary market
Prefabricated bathroom pods	Pod dimensions/weight, structural base, wall/ceiling system, waterproofing, drainage gradient, plumbing/electrical, sanitaryware, ventilation, fire performance and building connection	Hotels, hospitals, apartments, student housing, worker accommodation and large housing projects

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

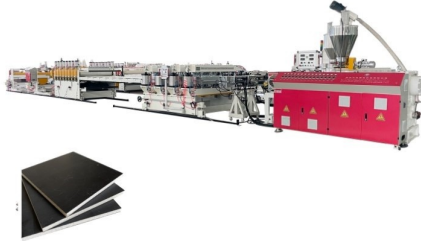
Core Equipment Schedule

Step	Equipment	Function	Indicative parameter
1	Base/frame jig	Builds repeatable pod base	Level/connection geometry
2	Panel/waterproofing cell	Encloses wet room	Seam/waterproof integrity
3	Plumbing test bench	Fits drainage/services	Gradient/leak test
4	Electrical/finish station	Completes pod components	Code/function check
5	Full pod test bay	Releases transport unit	Water/weight/lift release

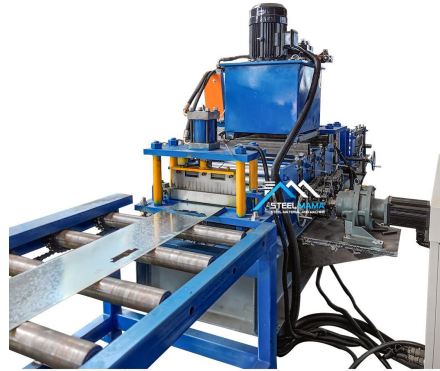
Equipment models are indicative and will be matched to the selected capacity, local raw-material tests, available utilities, and preferred automation level.

Reference Equipment Gallery

 **SANYI**



Made-in-China supplier reference: real prefabricated bathroom pods line equipment.



Made-in-China supplier reference: second real machine configuration for prefabricated bathroom pods line.

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

Plant, Raw Materials & Utility Requirements

Raw materials

- Steel/light frame or pod base, waterproof boards/membranes, panels, pipes/fittings, cables, fixtures, sanitaryware, sealants, ventilation parts and packing

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 a complete test pod with building-service connection before manufacture
- Test waterproofing, drainage, pressure/leaks, electrical safety, ventilation, door clearance and transport lifting
- Control module dimensions, weight, service locations, finishes and installation hand-over pack

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

Bathroom pods combine building services, water and transport. They must be proven as complete installed units, not assembled from untested individual finishes.

Component	Indicative range	Notes
Jigs, framing and panel/waterproofing	US\$35k-130k	One standard pod family
Plumbing/electrical test and finish tools	US\$25k-100k	Full wet-room test scope
Handling, setup and trial pod	US\$20k-75k	Mock-up validation
Indicative entry total	US\$80k-305k	Workshop, materials and transport 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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