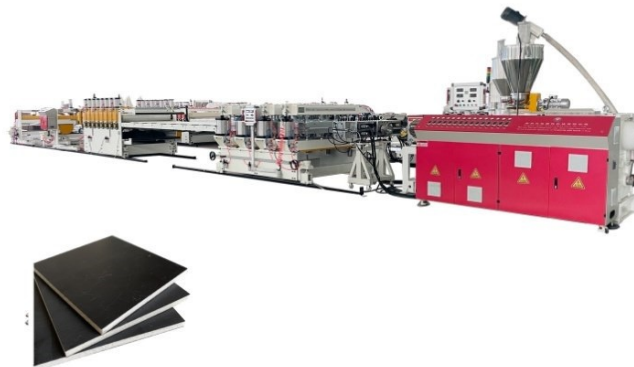




Container & Modular-House Fabrication

Complete Turnkey Business Proposal



Made-in-China supplier reference: real container & modular-house fabrication 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

Fabricates container and modular-house units through chassis/frame preparation, welding, insulation, wall/roof panel installation, doors/windows, electrical/plumbing coordination, interior finishing, inspection and transport-ready hand-over.

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

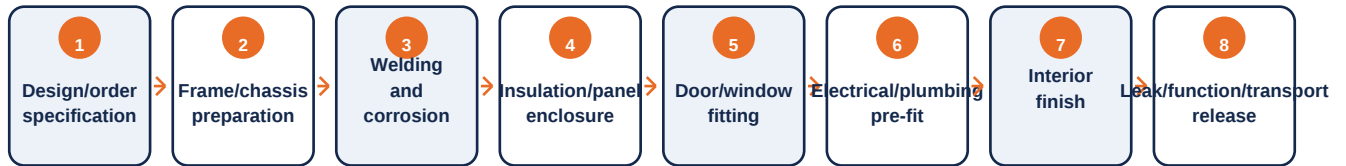
- Factory setup planning, supplier pre-qualification, and technical comparison
- Complete production-line and individual equipment supply
- Factory layout, utilities, civil-work coordination, installation, and commissioning
- Raw-material sourcing, trial-batch qualification, and repeat supply planning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

Recommended configuration

Launch with one standard module and a full approved sample unit. Confirm structural frame, insulation/climate performance, electrical/plumbing code, lifting points, transport dimensions, fire safety, corrosion protection and local installation requirements.

Manufacturing Process & Product Portfolio

Integrated process flow



Target products

Product	Typical specification	Primary market
Container and modular-house units	Module size/transport limit, steel frame, insulation, wall/roof panels, doors/windows, electrical/plumbing, lifting points, corrosion/fire performance and site connection	Worker accommodation, site offices, clinics, schools, housing, retail kiosks, camps and emergency facilities

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

Core Equipment Schedule

Step	Equipment	Function	Indicative parameter
1	Steel cutting/welding cell	Builds structural module frame	Jig/weld/lifting control
2	Coating station	Protects steel frame	Surface/coating thickness
3	Panel/insulation cell	Encloses building module	Thermal/weather seal
4	MEP pre-fit bench	Prepares services	Electrical/plumbing test
5	Final inspection bay	Releases transport unit	Leak/function/lifting 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 container & modular-house fabrication equipment.

Made-in-China supplier reference: second real machine configuration for container & modular-house fabrication.

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

Plant, Raw Materials & Utility Requirements

Raw materials

- Steel sections/plate, insulation, sandwich or wall panels, windows/doors, wiring, plumbing components, coatings, fasteners, sealants, interior finishes 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 fully fitted sample module and transport route before serial production
- Control frame squareness, welds, lifting points, corrosion coating, insulation/seals and door/window installation
- Test electrical, plumbing, weather tightness, lifting/transport restraint and on-site utility connection

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

Modular houses are sold as safe transportable buildings. A polished interior does not compensate for weak lifting points, leaks or untested electrical services.

Component	Indicative range	Notes
Frame fabrication, welding and coating	US\$45k-180k	One standard module
Panel, MEP and finishing tools	US\$30k-130k	Transportable unit scope
Jigs, setup, trial unit and spares	US\$25k-90k	Sample-led commissioning
Indicative entry total	US\$100k-400k	Workshop, module materials and vehicles 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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