



Concrete Fence-Panel Mould Workshop

Complete Turnkey Business Proposal



Made-in-China supplier reference: real concrete fence-panel mould workshop equipment.

approved drawing market gate	defined mould family launch scope	trial cast 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

Makes reusable steel or FRP concrete-fence-panel moulds with matched posts/caps through drawing approval, pattern/tool preparation, frame/face fabrication, alignment fitting, surface finishing and trial fence casting.

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

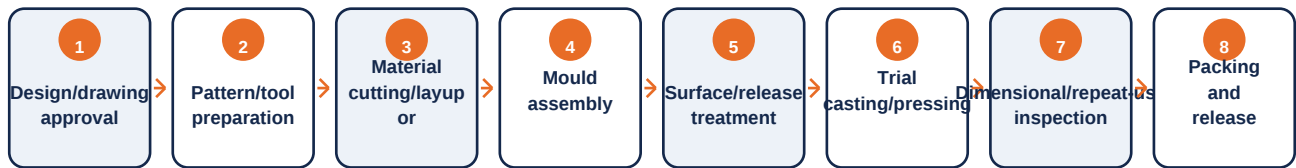
- Factory setup planning, supplier pre-qualification, and technical comparison
- Complete production-line and individual equipment supply
- Factory layout, utilities, civil-work coordination, installation, and commissioning
- Raw-material sourcing, trial-batch qualification, and repeat supply planning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

Recommended configuration

Use one compatible panel-post-cap system first. Confirm panel length/thickness, reinforcement, connection slots, mould stiffness, vibration, demoulding, texture, crane handling and installation details.

Manufacturing Process & Product Portfolio

Integrated process flow



Target products

Product	Typical specification	Primary market
Concrete fence-panel moulds	Panel/post/cap geometry, mould material, split/alignment system, reinforcement/slot detail, surface texture, stiffness, vibration compatibility and casting cycles	Fence-panel yards, compounds, farms, housing, schools, industrial sites and landscaping contractors

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

Core Equipment Schedule

Step	Equipment	Function	Indicative parameter
1	Cut/fixture station	Prepares mould frame and faces	Panel/post geometry
2	Welding or FRP layup cell	Builds rigid moulds	Flatness/stiffness
3	Alignment/hardware bench	Fits closure components	Slot/connection tolerance
4	Surface/release station	Finishes cast face	Texture/release quality
5	Fence trial fixture	Checks system fit	Panel/post/cap 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

TIANYI MACHINERY
TIANYI SHARES (Stock Code: 201648)

19 years
experience



Made-in-China supplier reference: real concrete fence-panel mould workshop equipment.



Made-in-China supplier reference: second real machine configuration for concrete fence-panel mould workshop.

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

Plant, Raw Materials & Utility Requirements

Raw materials

- Steel plate/sections or FRP materials, alignment hardware, release coating, welding/resin consumables, patterns 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

- Control face flatness, slots, alignment, stiffness, texture and safe lifting points
- Trial cast panel, post and cap together; check fit, demoulding, vibration resistance and repeat cycles
- Maintain one documented fence system rather than mixing incompatible mould dimensions

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

Fence moulds sell a complete connection system. Straight panels alone do not ensure matching posts, caps or stable field installation.

Component	Indicative range	Notes
Frame/face fabrication and alignment tools	US\$4k-18k	One fence system
Surface, trial-cast and handling fixtures	US\$3k-14k	Fit/reuse controls
Setup/material trials	US\$2k-8k	Pattern dependent
Indicative entry total	US\$9k-40k	Workshop/master design 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/concrete-block-mould.html>
- https://www.made-in-china.com/products-search/hot-china-products/Precast_Concrete_Mould.html