



Kerbstone & Drainage-Channel Moulds Workshop

Complete Turnkey Business Proposal



Made-in-China supplier reference: real kerbstone & drainage-channel moulds 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 rigid steel or rubber-assisted moulds for kerbstones, drainage channels and covers through drawing preparation, cutting/bending/welding, closure and insert fitting, surface treatment, trial casting and dimensional/load-fit inspection.

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

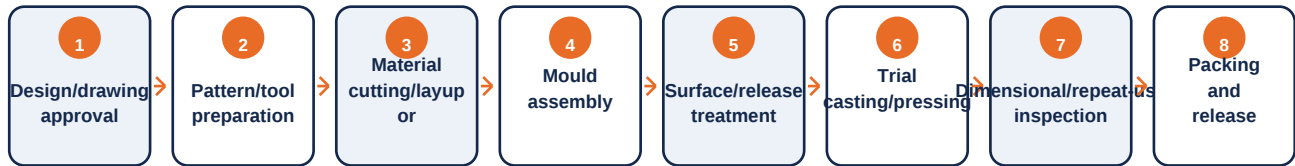
- Factory setup planning, supplier pre-qualification, and technical comparison
- Complete production-line and individual equipment supply
- Factory layout, utilities, civil-work coordination, installation, and commissioning
- Raw-material sourcing, trial-batch qualification, and repeat supply planning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

Recommended configuration

Start with municipal/high-demand sizes and one cover/channel system. Confirm hydraulic section, kerb profile, joint detail, reinforcement, lifting, load class, mould rigidity and site-install geometry.

Manufacturing Process & Product Portfolio

Integrated process flow



Target products

Product	Typical specification	Primary market
Kerbstone and drainage-channel moulds	Kerb/channel/cover size, hydraulic section, mould material, reinforcement/insert detail, joint profile, lifting, load class, surface finish and casting cycles	Paver yards, municipal works, roads, compounds, drainage contractors and precast workshops

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

Core Equipment Schedule

Step	Equipment	Function	Indicative parameter
1	Plate cut/bend cell	Prepares mould bodies	Section geometry
2	Welding/fixture station	Assembles rigid channels	Straightness/closure
3	Insert/closure bench	Fits joint/lift details	Cover/channel fit
4	Surface/release station	Finishes concrete face	Release/texture
5	Trial fit/load gauge	Checks system	Joint/dimension/repeat use

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 kerbstone & drainage-channel moulds workshop equipment.



Made-in-China supplier reference: second real machine configuration for kerbstone & drainage-channel moulds 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, rubber liners where needed, closure/lift hardware, release coatings, welding 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 channel slope/section, cover seats, joint fit, mould flatness, lifting inserts and concrete release
- Trial cast channels and covers together; inspect dimensional fit, representative load seating and repeat demoulding
- Issue matching mould drawings and avoid incompatible cover/channel 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

Drainage moulds must produce channels and covers that actually fit. Section geometry, seat details and lifting must be controlled from the first sample.

Component	Indicative range	Notes
Cut/bend/weld and fixture tools	US\$4k-18k	Municipal size family
Surface, inserts and trial gauges	US\$3k-14k	Cover/channel fit
Setup/material trials	US\$2k-8k	Load-seat validation
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