



Plastic Buckets & Household Basins Production Line

Complete Turnkey Business Proposal



Made-in-China supplier reference: real plastic buckets & household basins production line equipment.

10-20 L bucket launch range	300-450 t screened press class	1 mould entry product	7-11 entry workforce
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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

A medium injection-moulding cell producing one non-food household bucket or basin family through polymer release and blending, mould-specific servo injection, robotic or guarded ejection, cooling and gate trimming, separate handle or lid fitting where specified, printing or in-mould labelling, dimensional, volume, leak, drop and handle-load tests, nesting and packing.

Why this project fits Afghanistan

- Household ware has broad retail and institutional demand.
- One high-volume geometry controls mould capital and resin stock.
- Nesting reduces inland transport and warehouse volume.
- Handle pull, drop, leak and creep tests protect reputation better than a low unit weight alone.

Sanaatchi delivery scope

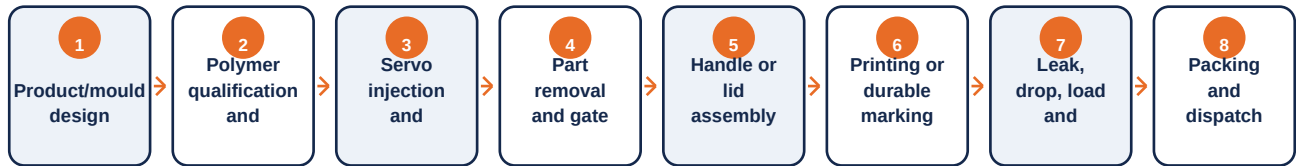
- Factory setup planning, supplier pre-qualification, and technical comparison
- Complete production-line and individual equipment supply
- Factory layout, utilities, civil-work coordination, installation, and commissioning
- Raw-material sourcing, trial-batch qualification, and repeat supply planning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

Recommended configuration

Launch either one 10-20 L bucket with a separate qualified handle or one nestable basin-not both-on a roughly 300-450 t servo press chosen from the finished mould. Include one hardened mould, take-out, cooling, trim/assembly fixtures, clean-runner recycling and performance tests. Food-contact pails require virgin compliant resin and a separate hygienic approval route.

Manufacturing Process & Product Portfolio

Integrated process flow



Target products

Product	Typical specification	Primary market
Non-food household bucket	Nominal volume, brimful volume, mass, wall, handle pull, leak, drop, creep, lid fit and colour	Households, cleaning and construction users
Nestable household basin	Diameter, depth, volume, rim stiffness, stack release, drop and load	Household and institutional retail after separate mould

Bucket bodies, handles and lids may use different polymers and moulds. Acceptance must sustain the contracted cycle and verify shot mass, dimensions, volume, wall distribution, sink/flash, handle engagement and pull, loaded drop, leak, filled-bucket creep, lid seal where claimed and nesting. Recycled material is limited to validated non-food products; food-contact claims require compliant virgin resin and migration documentation.

Core Equipment Schedule

Step	Equipment	Function	Indicative parameter
1	300-450 t servo injection machine	Moulds one large household item	Final-mould selected
2	Hardened bucket or basin mould	Defines one launch geometry	One cavity
3	Robot or guarded take-out	Controls removal and cycle	Part-specific
4	Cooling and mould controller	Limits warpage and cycle variation	Balanced circuits
5	Handle/lid fixtures and printer	Completes the chosen product	Only contracted options
6	Household-ware test bench	Tests volume, leak, drop, handle and creep	Buyer protocol

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 plastic buckets & household basins production line equipment.



Made-in-China supplier reference: second real machine configuration for plastic buckets & household basins production line.

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

Plant, Raw Materials & Utility Requirements

Raw materials

- Virgin PP/HDPE or qualified controlled recycled compound for non-food ware
- Qualified handle wire or plastic handle and grip
- Approved pigment and print/label consumables
- Clean internal runner regrind only to validated limit

Utilities & infrastructure

- Stable three-phase electricity with verified connected load
- Closed-loop cooling water sized for the contracted process
- Dry covered material and finished-goods storage
- Ventilation, fire protection, safe lifting and guarded machinery
- Rated mould lifting and protected heavy-mould storage

Quality, safety and environmental controls

- Verify polymer lot, MFR, odour and colour
- Control shot mass, cycle and cooling
- Inspect flash, sink, weld lines and warpage
- Measure dimensions, mass and capacity
- Test leak, loaded drop, handle pull and creep
- Check nesting, lid fit and marking durability

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

The low-entry plant launches one non-food product and one mould. Multiple sizes, lids, metal-handle manufacture, food-contact certification and waste-plastic washing/compounding are separate scopes.

Component	Indicative range	Notes
Servo injection press	US\$55k-125k	300-450 t mould-selected basis
One hardened mould and take-out	US\$28k-85k	Bucket or basin, not both
Cooling, assembly and laboratory	US\$18k-48k	Performance release
Freight, installation and spares	US\$22k-58k	Sustained mould trial
Indicative installed low-entry total	US\$123k-316k	Building, resin, lid and second mould 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://unionpower2023.en.made-in-china.com/product/rwHfdICGJjaO/China-Union-Power-Plastic-Basin-Bucket-Injection-Machine.html>
- <https://haichenmachine.en.made-in-china.com/product/DwZfUEroZjhM/China-Plastic-Bucket-Basin-Injection-Molding-Machine.html>