

Galvanised Metal Water Tanks Production Line

Complete Turnkey Business Proposal



Made-in-China supplier reference: real galvanised metal water tanks production line equipment.

4-12 m screened diameter family	1.0-3.0 mm coil thickness basis	18-24 forming stands	8-14 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 small/medium fabrication line producing one engineered family of circular corrugated bolted galvanised-steel water tanks from certified coated coil through decoiling, levelling, corrugating, programmed punching, hydraulic cutting, panel curving, edge protection, roof and base-component fabrication, trial-ring assembly, liner or approved seal-system installation, hydrostatic testing, kit counting and traceable packing.

Why this project fits Afghanistan

- Water storage supports farms, communities, construction and industrial sites.
- Bolted kits can be transported to provinces more efficiently than complete welded tanks.
- One engineered diameter/height family controls panels, bolts, roofs and foundations.
- Structural loads, corrosion, liner compatibility and hydrostatic testing determine safe service.

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 one 4-12 m diameter corrugated bolted tank family using 1.0-3.0 mm certified galvanized or Zn-Al-Mg coil. Contract the exact profile, hole pattern, curving range and structural design; include decoiler, leveler, 18-24 stand corrugating former, servo punching, hydraulic cut, curving unit, roof/base fixtures and a full trial-ring and hydrostatic-test system. Potable-water use requires a separately certified liner or coating and hygienic fittings.

Manufacturing Process & Product Portfolio

Integrated process flow



Target products

Product	Typical specification	Primary market
Corrugated bolted water-tank kit	Diameter, height, volume, steel grade/BMT, coating, rings, roof, stiffeners, bolts, seal/liner and design loads	Farms, communities, construction and industry
Potable-water tank package	Same structural kit plus certified hygienic liner/coating, covered roof, screened vent, drain and cleanable fittings	Drinking-water projects only after water-contact approval

A water-tank roll former alone is not a complete tank factory. The supplier must provide the contracted profile and punch tooling, panel curving, complete structural bill of materials and trial assembly. Design checks include hydrostatic pressure, wind, seismic demand, roof live load, foundation settlement and corrosion environment. Never describe a bare galvanised tank as potable without compliant water-contact materials.

Core Equipment Schedule

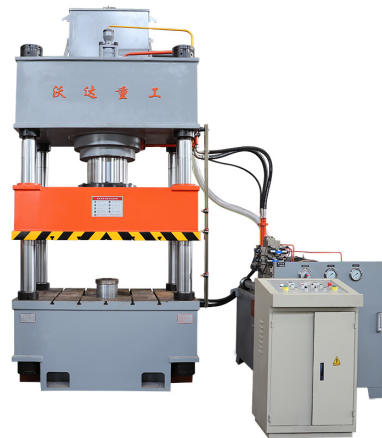
Step	Equipment	Function	Indicative parameter
1	Coil decoiler and leveler	Feeds certified coated strip without damage	1.0-3.0 mm basis
2	Punching and corrugated roll former	Forms stiffened panels and connection holes	18-24 stands
3	Hydraulic cut and panel curver	Cuts and curves contracted tank rings	4-12 m family
4	Roof/base and fitting tools	Makes matched structural kit components	Engineer drawings
5	Trial-ring assembly fixtures	Verifies hole, curvature and joint fit	Full representative ring
6	Hydrostatic and coating/liner test kit	Releases watertight hygienic assemblies	Named acceptance plan

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 galvanised metal water tanks production line equipment.



Made-in-China supplier reference: second real machine configuration for galvanised metal water tanks production line.

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

Plant, Raw Materials & Utility Requirements

Raw materials

- Certified galvanized or Zn-Al-Mg coil by grade, BMT and coating mass
- Engineer-approved structural bolts, washers, stiffeners, roof and base parts
- Approved sealant or certified potable-water liner and compatible fittings
- Zinc-rich repair system, labels and kit packing

Utilities & infrastructure

- Stable three-phase electricity with protected distribution
- Covered sheet store and safe lifting/handling routes
- Guarded presses, interlocked tooling and emergency stops
- Welding/fume extraction, fire protection and disciplined housekeeping
- Level assembly slab, controlled fill/drain water and safe hydrostatic test area

Quality, safety and environmental controls

- Verify coil grade, BMT and coating mass
- Gauge corrugation, holes, curvature, cut length and coating damage
- Trial-assemble a complete representative ring
- Verify bolt torque, seal compression and roof/base fit
- Hydrostatically test the agreed assembly without unsafe personnel exposure
- Confirm liner/coating water-contact certificates for potable claims

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

Marketplace prices near US\$10k-30k commonly describe only a hydraulic panel press or forming machine. A credible tank-kit factory must also include matched tooling, structural design, roof/base parts, assembly and hydrostatic testing.

Component	Indicative range	Notes
Decoiler, punch and corrugated former	US\$32k-78k	One profile family
Cut, curving and kit-fabrication tools	US\$12k-34k	Complete panel route
Assembly, hydrotest and inspection scope	US\$7k-20k	Mandatory release
Freight, installation, tooling and spares	US\$10k-28k	Supplier trial included
Indicative installed low-entry total	US\$61k-160k	Building, coil stock, foundation and liner stock 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://guangchimachinery.en.made-in-china.com/product/ifYUkayTlpm/China-Water-Tank-Corrugated-Sheet-Roll-Forming-Machine-Metal-Galvanized-Steel-Corrugated-Grain-Storage-Silo-Wall-Sheet-Roll-Forming-Machine.html>

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