

Steel Drums & Industrial Barrels Production Line

Complete Turnkey Business Proposal



Made-in-China supplier reference: real steel drums & industrial barrels production line equipment.

200 L launch drum size	1-2/min low-speed entry rate	0.8-1.2 mm sheet screening range	18-30 entry workforce
----------------------------------	--	--	---------------------------------

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 industrial line producing one 200-litre tight-head steel drum family from certified cold-rolled sheet through blank preparation, shell rolling, longitudinal resistance seam welding, weld planishing, body beading and corrugating, end blanking and deep drawing, flange and bung fitting, body/end seaming, 100% leak testing, surface pretreatment, controlled coating and curing, marking, dimensional inspection and palletized dispatch.

Why this project fits Afghanistan

- Afghan oils, lubricants, chemicals and construction supply chains use industrial drums.
- One tight-head design limits tooling and closure complexity.
- Local manufacture reduces empty-container transport volume.
- Leak integrity, coating compatibility and dangerous-goods certification are application-specific.

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 200 L tight-head general-industrial drum at 1-2 drums/min using 0.8-1.2 mm certified cold-rolled sheet. Contract a balanced shell route, end presses/dies, flange/bung tools, beader/corrugator, seamer, 100% leak tester and contained pretreatment/paint oven. Food-contact, fuels and UN dangerous-goods drums are excluded until the exact design passes their separate coating, closure, drop, leak, hydraulic and stacking certifications.

Manufacturing Process & Product Portfolio

Integrated process flow



Target products

Product	Typical specification	Primary market
200 L tight-head industrial steel drum	Nominal capacity, sheet BMT/grade, body profile, bung/closure, internal/external coating, leak limit and stacking duty	Lubricants, non-food chemicals and industrial users
Certified dangerous-goods drum	Exact design type with verified closure, coating and UN performance tests	Regulated shippers only after independent certification

Tight-head and open-head drums require different ends, closures and uses. Low online equipment prices often cover only a welder or individual machine. Acceptance checks material, weld continuity, flange/bead/corrugation, seaming, dimensions, capacity and 100% air-leak performance. Coating compatibility must be tested against the intended filling. UN marking cannot be applied before the complete design type is certified.

Core Equipment Schedule

Step	Equipment	Function	Indicative parameter
1	Sheet shear/blanking and shell roller	Prepares body and end blanks	200 L design
2	Resistance seam welder and planisher	Closes shell longitudinal seam	0.8-1.2 mm
3	Beader/corrugator and body flanger	Stiffens and prepares shell ends	1-2 drums/min
4	End presses, dies and bung tools	Forms heads and closures	Tight-head family
5	End seamer and leak tester	Closes and tests every drum	100% test
6	Pretreatment, paint and cure line	Applies compatible controlled finish	Contained emissions route

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 steel drums & industrial barrels production line equipment.



Made-in-China supplier reference: second real machine configuration for steel drums & industrial barrels production line.

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

Plant, Raw Materials & Utility Requirements

Raw materials

- Certified cold-rolled sheet by grade, BMT and surface
- Approved flanges, bungs, gaskets and closures
- Product-compatible internal lining and external coating
- Pretreatment chemicals, labels, pallets and critical seam tooling

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
- Compressed air for 100% leak testing and contained wash/paint effluent and exhaust treatment

Quality, safety and environmental controls

- Verify sheet grade, thickness and surface
- Monitor seam-weld overlap, continuity and destructive samples
- Gauge body, ends, flange, bead, corrugation and seam
- Leak-test every completed drum
- Check coating preparation, cure, adhesion and filling compatibility
- Perform closure, drop, hydraulic and stacking tests when certification is claimed

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

Supplier listings at US\$10k-50k usually refer to one machine or incomplete scope. A balanced 200 L drum line with end forming, seaming, 100% leak testing and controlled coating is a medium industrial project, not a micro workshop.

Component	Indicative range	Notes
Shell forming and seam-welding route	US\$70k-185k	Low-speed supported line
End presses, tools, seaming and leak test	US\$65k-175k	One tight-head family
Pretreatment, coating and cure system	US\$55k-160k	Contained environmental scope
Freight, installation, laboratory and spares	US\$45k-125k	Balanced commissioning
Indicative installed project total	US\$235k-645k	Building, sheet stock and certification 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

Sanaatchi Industrial Vision Group

Afghanistan Office: +93 779 819 820 | info@sanaatchi.com

China Office: +86 159 5171 6867 | china@sanaatchi.com

Website: www.sanaatchi.com

Research and image references

- <https://bohaimachine.en.made-in-china.com/product/NFjTmdrycRK/China-200L-Steel-Barrel-Production-Line.html>
- <https://flasteed.en.made-in-china.com/product/CpgUSjrOXAWn/China-200L-Steel-Drum-Production-Line.html>