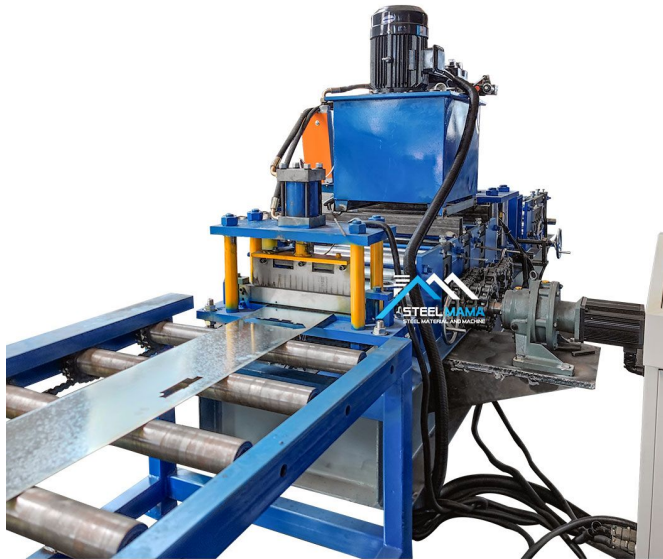


Steel Scaffolding & Formwork Accessories Line

Complete Turnkey Business Proposal



Made-in-China supplier reference: real steel scaffolding & formwork accessories line equipment.

approved sample market gate	defined range launch scope	performance test release gate	batch records traceability
---------------------------------------	--------------------------------------	---	--------------------------------------

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

Fabricates scaffolding and formwork accessories such as clamps, base plates, adjustable jacks, brackets, ties and connection pieces through cutting, punching, threading, welding, galvanising/coating and load-control 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

Begin with traceable, high-demand accessory families and approved drawings. Confirm steel grade, thread geometry, weld procedure, coating, load rating, compatibility with local systems and independent tests before supplying structural-access equipment.

Manufacturing Process & Product Portfolio

Integrated process flow



Target products

Product	Typical specification	Primary market
Steel scaffolding and formwork accessories	Accessory type, steel grade, weld/thread detail, coating, compatible tube/formwork system, safe working load, dimensional tolerance and marking	Contractors, concrete works, building projects, rental yards, infrastructure and formwork suppliers

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

Core Equipment Schedule

Step	Equipment	Function	Indicative parameter
1	Cut/punch/bend cell	Prepares accessory components	Drawing tolerance
2	Threading/machining cell	Makes adjustable parts	Thread/fit accuracy
3	Welding jigs	Builds repeatable connections	Approved weld procedure
4	Coating line	Protects steel	Coating coverage
5	Load-test fixture	Checks safe accessories	Rated-load evidence

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 scaffolding & formwork accessories line equipment.

河北锻海铁艺设备装饰铁件有限公司



Made-in-China supplier reference: second real machine configuration for steel scaffolding & formwork accessories line.

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

Plant, Raw Materials & Utility Requirements

Raw materials

- Certified steel tube/plate/bar, nuts, threaded rod, welding consumables, zinc/paint, labels, packaging and inspection gauges

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

- Use approved drawings and traceable steel only for load-bearing accessories
- Control thread engagement, weld quality, geometry, coating and compatibility with the stated system
- Load-test representative batches and mark safe working load, batch and system limitations

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

Scaffold accessories are safety products. Do not sell a clamp, jack or bracket without a defined system, load marking and documented production control.

Component	Indicative range	Notes
Cutting, punching, threading and welding	US\$25k-100k	Core accessory workshop
Coating, gauges and load-test fixtures	US\$18k-75k	Safety-controlled output
Freight, setup and trial tooling	US\$12k-45k	Drawing/test approval
Indicative entry total	US\$55k-220k	Workshop and steel 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

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://www.alibaba.com/showroom/ceiling-t-grid-roll-forming-machine.html>
- https://www.made-in-china.com/products-search/hot-china-products/Formwork_Machine.html