

Raised-Access Floor Panels Line

Complete Turnkey Business Proposal



Made-in-China supplier reference: real raised-access floor panels line equipment.

approved sample market gate	defined range launch scope	performance test 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

Produces raised-access floor panels and compatible pedestals through steel-sheet forming, core filling or wood/mineral-core preparation, pressing, edge finishing, coating, load testing and installation-system packing.

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

Treat this as an engineered floor system requiring structural and fire/acoustic validation. Confirm panel/core system, pedestals/stringers, concentrated-load and rolling-load requirements, floor height, cable access and certified test scope before committing to equipment.

Manufacturing Process & Product Portfolio

Integrated process flow



Target products

Product	Typical specification	Primary market
Raised-access floor panels	Panel size/thickness, steel sheet/core type, finish, pedestal/stringer compatibility, floor height, load class, fire/acoustic performance and anti-static option	Data rooms, offices, control rooms, banks, telecom, laboratories and commercial projects

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

Core Equipment Schedule

Step	Equipment	Function	Indicative parameter
1	Sheet forming/cutting cell	Prepares panel skins	Panel-size tolerance
2	Core filling/press line	Builds structural panel	Core density/bond
3	Edge/finish station	Protects panel perimeter	Flatness/finish
4	Pedestal/stringer cell	Makes support system	Height/thread/fit
5	Structural test rig	Releases floor performance	Load/deflection test

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 raised-access floor panels line equipment.



Made-in-China supplier reference: second real machine configuration for raised-access floor panels line.

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

Plant, Raw Materials & Utility Requirements

Raw materials

- Steel sheet, cementitious/mineral or engineered core materials, adhesive, edge band, coatings/finish, pedestals, stringers, fasteners 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

- Validate panel-to-pedestal system, concentrated/rolling load and deflection for stated application
- Control panel dimensions, core consistency, flatness, edge integrity, pedestal height and corrosion protection
- Confirm fire/acoustic/anti-static claims only with applicable test evidence

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

Raised floors carry people, equipment and cables. Sell only tested panel/support combinations with clear load data, not separate components with assumed compatibility.

Component	Indicative range	Notes
Panel forming, press/core and finish line	US\$180k-650k	Engineered floor panel scope
Pedestal/stringer and test systems	US\$60k-240k	Support-system compatibility
Utilities, setup, trials and spares	US\$50k-180k	Testing-led commissioning
Indicative project total	US\$290k-1.07m	Building, certification and inventory 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

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