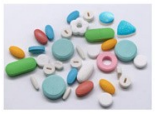
SANAATCHI
INDUSTRIAL VISION GROUP

GMP Oral Tablet & Capsule Factory

Complete Turnkey Business Proposal



Made-in-China supplier reference: real gmp oral tablet & capsule factory equipment.

bankable study **investment gate**	**confirmed feedstock** **supply gate**	**EPC scope** **delivery gate**	**quality laboratory** **release gate**

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

GMP pharmaceutical facility that receives approved APIs/excipients, weighs and dispenses under containment, granulates or blends, compresses tablets/fills capsules, coats, packs, validates and releases batches through an independent quality unit.

Why this project fits Afghanistan

- This is a strategic plant, not a low-entry equipment package.
- Bankable feedstock, utility, permit, market, EPC and financing evidence is required before selection.
- Operate only with an independent laboratory, defined quality release and preventive-maintenance program.

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	Proceed only after medicine registration pathway, GMP design, qualified APIs, cleanroom/HVAC/water systems, stability programme, validation master plan, pharmacovigilance and licensed QA/QC leadership are approved.

Manufacturing Process & Product Portfolio

Integrated process flow

Target products

Product	Typical specification	Primary market
Registered oral tablets and capsules	API, dosage, batch size, dissolution, uniformity, coating, blister/bottle pack, stability and pharmacopeial standard	Licensed medicine distributors, hospitals, pharmacies, aid programmes and regulated export markets

Final capacity, process, resource quality, utilities, permit conditions, emissions, acceptance test and commercial terms require independent engineering review before any order.

Core Equipment Schedule

Step	Equipment	Function	Indicative parameter
1	API receipt/quarantine and dispensing	Controls materials	Identity and containment
2	Granulation/blending and drying	Creates uniform blend	Moisture and uniformity
3	Compression/capsule filling/coating	Forms dosage	Weight and appearance
4	Blister/bottle packing/serialization	Protects medicine	Pack integrity and traceability
5	QC, stability and batch release	Releases registered batches	GMP 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 gmp oral tablet & capsule factory equipment.

Made-in-China supplier reference: second real machine configuration for gmp oral tablet & capsule factory.

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

Plant, Raw Materials & Utility Requirements

Raw materials

- Registered APIs, approved excipients, empty capsules, coating materials, blister/bottle packaging, labels, cleaning agents, purified water, filters and certified reference standards

Utilities & infrastructure

- Bankable electricity/fuel/water plans, process cooling and treatment, plant fire safety, laboratory, covered stores and qualified operation team
- Environmental permits, emissions control, waste route, maintenance workshop, critical spares and site-specific safety systems

Quality, safety and environmental controls

- Confirm legal product dossiers, supplier qualification, HVAC/water design, contamination control, validation, stability, QA independence and licensing before build
- Control dispensing, blend uniformity, compression/fill weight, coating, line clearance, packaging reconciliation and electronic/manual batch records
- Test identity, assay, impurities, dissolution, uniformity, microbiology where applicable, pack integrity and stability per approved specification

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

A medicine factory is not a generic capsule workshop. No product may be marketed without regulatory approval, GMP validation and independent batch release.

Component	Indicative range	Notes
GMP rooms, dispensing and solid-dose equipment	US$40m-140m	Products and containment
Packaging, QC/stability and data systems	US$25m-90m	Registration scope
HVAC, water, validation and installation	US$35m-120m	GMP critical
Indicative strategic project total	US$100m-350m	Dossiers, inventory and finance 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

- herbal-powder-capsule-line
- blister-packing-machine