

Herbal Powder & Capsule Line

Complete Turnkey Business Proposal



Made-in-China supplier reference: real semi-automatic herbal-powder hard-capsule filling machine.

20-50 kg/h starter grinding input	10k-25k/h supplier capsule-filler range	1 launch formulation	7-12 entry operators
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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 controlled dry-processing line for released, correctly identified dried herbs: final cleaning, low-heat grinding, sieving, recipe blending, powder testing, semi-automatic hard-capsule filling, polishing, metal detection and count packing. It is suitable only where the ingredients and claims follow applicable food or medicine rules.

Why this project fits Afghanistan

- Dried Afghan botanicals can enter standardized powder formats after legal and laboratory review.
- Capsules provide controlled presentation but require disciplined formulation and release testing.
- One semi-automatic machine can serve several later products after validated cleaning.
- Local processing can retain more value than selling unsorted dry herbs.

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

For the lowest credible entry, use a 20-50 kg/h dust-contained grinder, sieve, 25-50 kg ribbon blender, semi-automatic hard-capsule filler for one capsule size, capsule polisher and manual counting/bottling. Begin with one legally reviewed, laboratory-tested formulation.

Manufacturing Process & Product Portfolio

Integrated process flow



Target products

Product	Typical specification	Primary market
Single-herb powder capsules	Declared identity, capsule size, fill weight, moisture and microbiology	Licensed wellness or medicine channels as legally permitted
Standardized herbal blend capsules	Approved formula, blend uniformity, contaminant testing and controlled claim	Licensed private-label and institutional buyers

This is not merely a grinder plus filler. Product legality, botanical identity, microbial and chemical contaminants, formula approval, dose uniformity, capsule compatibility and stability must be confirmed before sale. No therapeutic claim is included in the equipment proposal.

Core Equipment Schedule

Step	Equipment	Function	Indicative parameter
1	Final cleaner and magnet	Protects the mill and product from foreign matter	Released dried botanical feed
2	Dust-contained grinder	Produces controlled herbal powder	20-50 kg/h product-dependent
3	Vibratory sieve	Controls particle size and returns oversize	One validated launch mesh
4	Ribbon blender	Produces uniform released formulation	25-50 kg/batch
5	Powder sampling station	Supports blend and laboratory release	Traceable thief sampler
6	Semi-automatic capsule filler	Separates, fills and closes hard capsules	One launch size; supplier 10k-25k/h
7	Capsule polisher and metal detector	Removes surface powder and checks metal risk	Validated test pieces
8	Counter and bottle-closing station	Counts, closes, codes and labels packs	Manual or semi-automatic entry

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 semi-automatic herbal-powder hard-capsule filling machine.

Urban



JTJ-A Pro

High Quality New Type

Made-in-China supplier reference: real higher-output semi-automatic capsule-filling system.

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

Plant, Raw Materials & Utility Requirements

Raw materials

- Released dried botanicals with identity and contaminant records
- Legally suitable empty hard capsules
- Approved formulation ingredients only
- Food/pharma-compatible bottles, closures, labels and desiccants

Utilities & infrastructure

- Stable electricity matched to the selected equipment
- Potable process water where product contact occurs
- Washable food-grade rooms with pest and dust control
- Segregated raw-material, packaging and finished-goods storage
- Compressed air, steam or cooling water only where specified

Quality, safety and environmental controls

- Complete legal classification and facility requirements before purchase
- Verify botanical identity, moisture, microbiology, pesticides and heavy metals
- Validate grinding temperature, sieve size and blend uniformity
- Control dust, grounding and operator exposure
- Test capsule fill weight, closure, disintegration and stability as applicable
- Reconcile all ingredients, capsules, rejects and packed units

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

Lowest entry starts with one reviewed formula and one capsule size using semi-automatic filling and manual bottling. Automatic blistering, full laboratory, registration, building and raw-material stock are excluded.

Component	Indicative range	Notes
Cleaning, grinding and dust collection	US\$5k-13k	20-50 kg/h entry
Sieving and small blender	US\$4k-10k	One launch formulation
Semi-automatic capsule filler	US\$5k-14k	One capsule size/tool set
Polishing, counting and quality tools	US\$4k-10k	Semi-manual bottling
Freight, installation and spares	US\$5k-11k	Vacuum and air supply confirmed
Indicative low-entry total	US\$23k-58k	Building, laboratory, registration and herb stock excluded

Implementation sequence

Phase 1	2-3 weeks	Confirm product specifications, capacity, packs and regulatory route
Phase 2	2-4 weeks	Run representative Afghan raw-material and packaging trials
Phase 3	5-9 weeks	Manufacture, inspect and ship the approved equipment
Phase 4	3-5 weeks	Install, train and validate process, hygiene and release controls

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://yixiangmc.en.made-in-china.com/product/sNjEoKACLPVt/China-Herbal-Powder-Semi-Automatic-Capsule-Filling-Machine.html>
- <https://urbanpackline.en.made-in-china.com/product/cAkUpVNbhdWtr/China-Semi-Auto-Herbal-Powder-Hard-Capsule-Filling-Machine-Small-Lab.html>