

JINCAPS DUAL-CAVITY SOFTGEL EQUIPMENT & TURNKEY LINE

Hardware + Plant-Starch Gel Powder + Process Commissioning for Encapsulation Plants

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1. Solving the #1 Failure Mode in Plant-Starch Softgel Production

- Why Equipment-Only Purchases Fail: Plant-starch gel mass has higher melt viscosity and different ribbon elasticity than animal gelatin. Standard gelatin spreader boxes and wedge heaters fail without calibration.
- The JINCAPS Turnkey Advantage: We supply the Dual-Cavity Encapsulation Machine + Modified Plant-Starch Gel Powder + Die Roll Tooling + On-Site Commissioning SOP as a single unified engineering package.

2. Core Equipment & Line Modules

- Dual-Cavity Rotary Die Softgel Encapsulation Host (independent temperature PID control for wedge & spreader)
- Pressurized Vacuum Gel Melting & Deaeration Reactors (shear-optimized for modified starch hydration)
- Multi-Stage Tumble Dryers & Dehumidified Conditioning Tunnel System
- Precision Aviation-Alloy Die Rolls (Twist-off beauty shapes & standard oblong/oval nutraceutical dies)

3. Factory Acceptance Testing (FAT) & Commissioning

- Pre-shipment FAT run at our Guangzhou facility using your exact fill oil and target capsule die
- Complete SOP transfer: Gel cooking curve, ribbon casting, seam fusion audit, and drying profile
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