SOUTHERN MACHINERY

S-600D

Internal Vacuum Packaging Machine

Safety · Stability · Efficiency
for electronics and moisture-sensitive packaging

Product Introduction Deck

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Executive Summary

A production-ready chamber vacuum platform for reliable component packaging and clean operations.

01 **Safety**

Transparent vacuum lid, sealed chamber operation and controlled impulse sealing reduce exposure to hot sealing elements.

02 **Stability**

PCB control system, strong vacuum motor and stainless-steel chamber support repeatable vacuum and sealing quality.

03 **Efficiency**

Supports multi-bag continuous operation with 1-3 cycles/min and double-seal packaging capability.

Core Positioning

A compact internal vacuum packaging solution designed to protect electronic components, standardize packaging quality and reduce manual workload.

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Product Snapshot

internal vacuum packer with chamber sealing, vacuum extraction and double sealing.

520×520×105 mm	500×370 mm	≤1 kPa	90 kg
Chamber Size	Double Seal Size	Vacuum Strength	Weight

Functional Configuration

- Internal chamber vacuum sealing architecture
- Transparent organic-glass vacuum lid for process visibility
- Double heating/sealing bars for stable sealing output
- Operation panel for vacuum time, sealing time and cooling control
- Movable casters with brake for flexible positioning

DZ-500D floor-standing chamber design

Best-fit use case

Electronic reels, PCB-related components and moisture-sensitive parts requiring stable vacuum sealing and clean package appearance.

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Operating Process Flow

Simple chamber operation: load, close, vacuum, seal and release.

01

Bag Loading

Place the product/bag inside the vacuum chamber.

02

Close Lid

Transparent lid closes and starts the cycle.

03

Vacuum

Air is extracted to reach the configured vacuum level.

04

Sealing

Impulse heating activates the sealing bars.

05

Release

Air returns and the finished pack is removed.

Stable chamber process

The product is placed inside the chamber; the lid separates the operator from the vacuuming and sealing zone during the automatic cycle.

Controlled heating and release

Sealing heat is applied by the configured impulse cycle, then air returns and the finished package is released for the next operation.

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Core Construction Details

Designed for clear operation, stable sealing and flexible movement on the production floor.

Transparent Vacuum Lid

Visible chamber status and lid-down process control.

Double Heating Bars

Dual sealing line supports stronger sealing reliability.

PCB Control Panel

Vacuum time, sealing time and cooling time are adjustable.

Movable Casters

Easy relocation with brake structure for stable positioning.

Engineering Value

A transparent chamber, double sealing structure, strong vacuum system and simple control interface help operators standardize packaging parameters across repeated production cycles.

Safety by Design

Chamber-based protection and controlled heating improve operator confidence.

A Transparent Lid

Operators can visually confirm package placement and sealing conditions before and during the cycle.

B Sealed Chamber

Vacuuming and sealing occur inside the chamber, reducing direct exposure to the heating bars.

C Impulse Sealing

Heating is applied only during the sealing stage, improving energy control and operational safety.

Practical Safety Note

Before operation, confirm bag placement, keep hands outside the chamber sealing area, and close the lid only after the product is correctly positioned.

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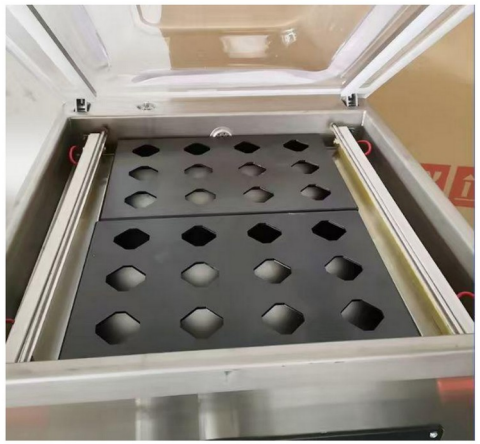
Stable Control & Repeatable Packaging

Repeatable vacuum and sealing control for production use.



Internal chamber and sealing structure

01 PCB Control System

Digital parameter setup helps operators standardize vacuum time, sealing time and cooling time.

02 Strong Vacuum Motor

Designed for stable vacuum extraction and repeatable package appearance.

03 ≤1 kPa Vacuum Strength

Supports high vacuum level for moisture-sensitive component protection.

04 Double Seal Structure

500×370 mm double-seal size improves sealing strength for production packages.

Engineering focus

Control vacuum, sealing and cooling parameters to reduce operator variation and improve package consistency.

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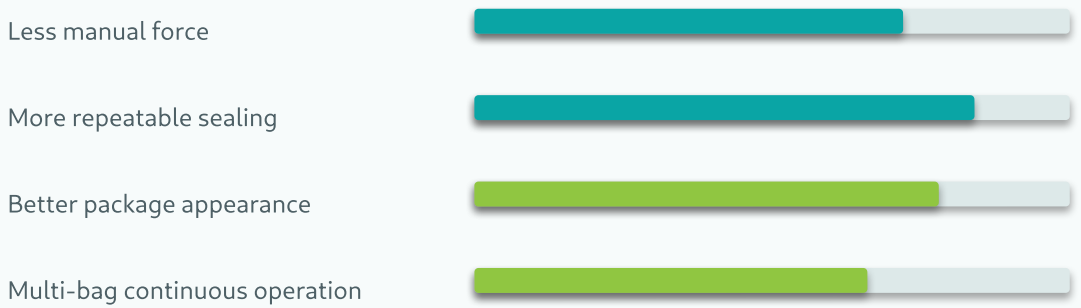
Efficiency & Standardized Output

Batch-friendly chamber packaging reduces handling effort and improves cycle consistency.

1-3	500×370 mm	1.75 kW	220 V
cycles/min			
Packaging Capacity	Seal Size	Power	Voltage

Finished vacuum pack

Operational Benefits



Production Benefit

Standardized chamber packaging improves repeatability across operators and batch runs.

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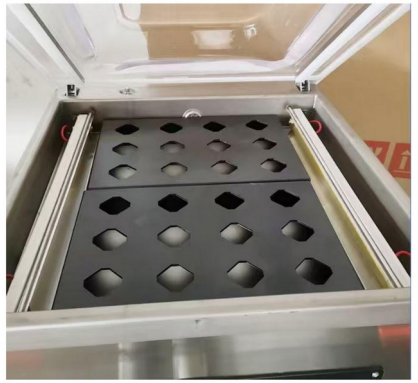
Application Compatibility

Internal vacuum packaging supports dry/wet applications and moisture-sensitive products.

Electronic Reel Packaging

Floor-standing Machine Options



Chamber Packaging

- Electronic reels
- PCB-related components
- Moisture-proof packaging
- Composite bags
- Medical / sterile packaging
- Food-grade applications

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Technical Specifications

Confirm final voltage and packaging requirements before order.

Machine Model	S-600D
Overall Dimensions	L640 × W540 × H1000 mm
Vacuum Chamber Size	L520 × W520 × H105 mm
Sealing Size	500 × 370 mm, double seal
Vacuum Strength	≤ 1 kPa
Packaging Capacity	1-3 cycles/min
Supply Voltage	220V, 50-60Hz
Total Power	1.75 kW
Net Weight	90 kg

DZ-500D machine view

Engineering Notes

Confirm bag material, bag thickness, package size, power standard and validation sample before final configuration.

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Operation Video Highlights

Demonstration frames: loading, lid closing, vacuum cycle and finished package.

1. Load package

2. Close transparent lid

3. Vacuum / sealing process

4. Finished vacuum pack

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Why Southern Machinery

Automation partner, not just a machine supplier.

01 Production-ready sourcing

Machine selection, technical confirmation and configuration matching for real production needs.

02 Application engineering

Support for bag size, material, sealing requirements and packaging validation before shipment.

03 After-sales support

Training, spare parts, remote troubleshooting and long-term service cooperation.

Brand Positioning

Cost-effective automation solutions for high-mix EMS and electronics manufacturing customers.

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Project Confirmation Checklist

To finalize quotation, delivery plan and technical configuration, confirm the following items.

Bag Size

Maximum bag width, length and material thickness

Package Type

Aluminum foil bag, composite film, PE/PA or other material

Product Sample

Reel, PCB part, electronic component or other packaged item

Power Supply

220V 50-60Hz availability or required voltage conversion

Validation Video

Send sample bag/product for test video if needed

Delivery Address

Used for freight estimation and ETA confirmation

Next action: confirm technical requirements → issue final quotation → prepare test video / datasheet → arrange shipment.