SOUTHERN MACHINERY

S-MVF01 Reciprocating Belt Feeder

Unlock the Potential of Bulk Component Feeding

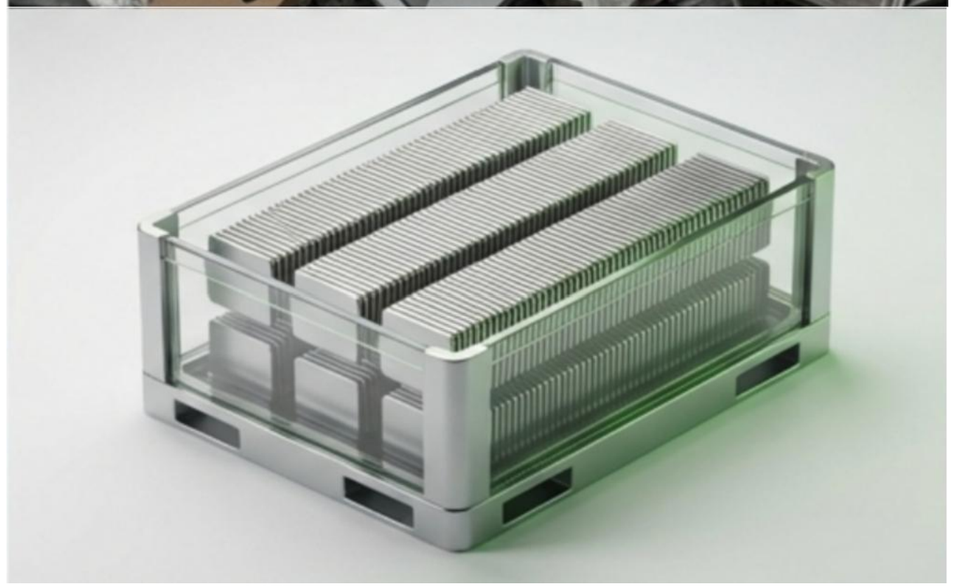
The Hidden Costs of Conventional Component Handling

High Packaging Costs: Eliminating expensive custom tape-and-reel or trays for bulk parts.

Supply Chain Complexity:Managing multiple packaging formats and suppliers for similar components.

Production Inefficiency: Manual loading and frequent line stoppages for non-standard parts.

Component Damage Risk: Traditional vibratory bowl feeders can damage delicate pins,surfaces, and internal structures.



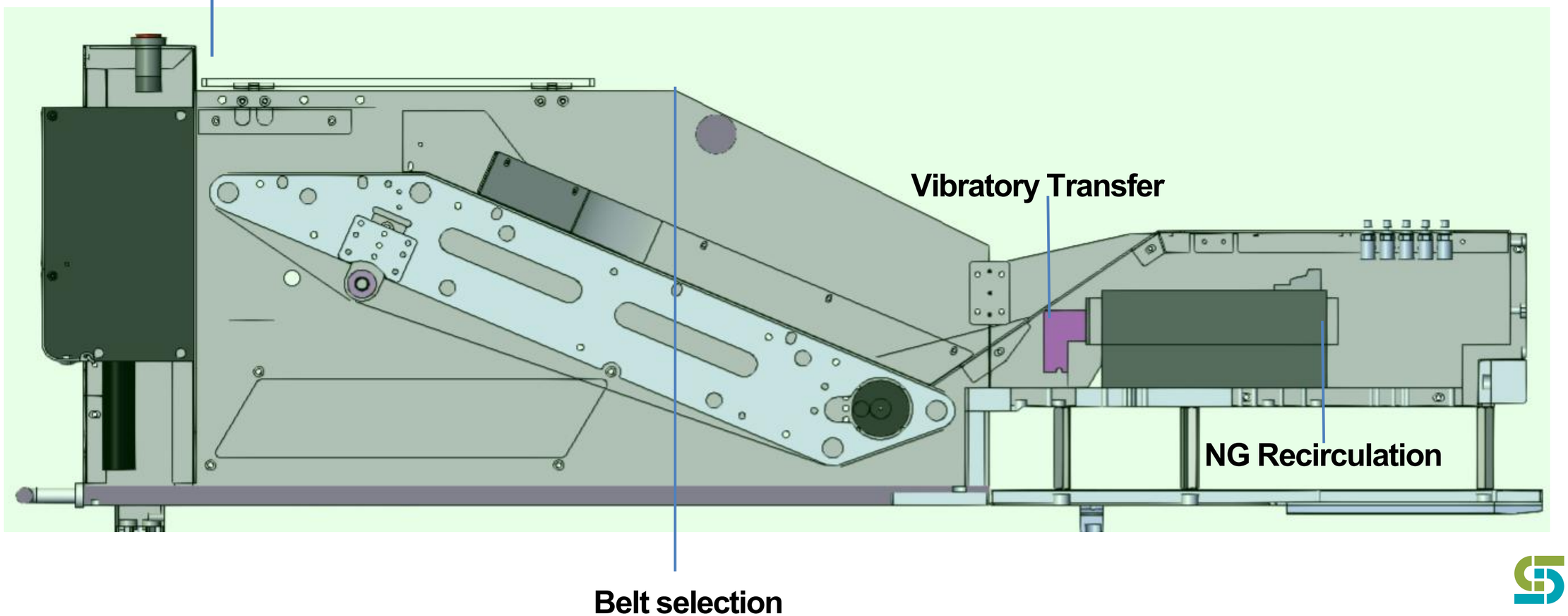
SOUTHERN MACHINERY

The Smart Solution for Bulk Materials

The S-MVF01 is engineered to feed bulk components directly into your SMT line.It eliminates packaging waste,protects component integrity, and streamlines your workflow for maximum efficiency.

SOUTHERN MACHINERY

A Closed-Loop System for Flawless Feeding



SOUTHERN MACHINERY

Feature→Benefit:Radical Cost Reduction

Feature: Direct Bulk Material Feeding
Drovides hilc,data tank or components, tray apunts and ennor hatings.

Advantage: Eliminates the need for tape, reel,or tray packaging for a wide range of components.

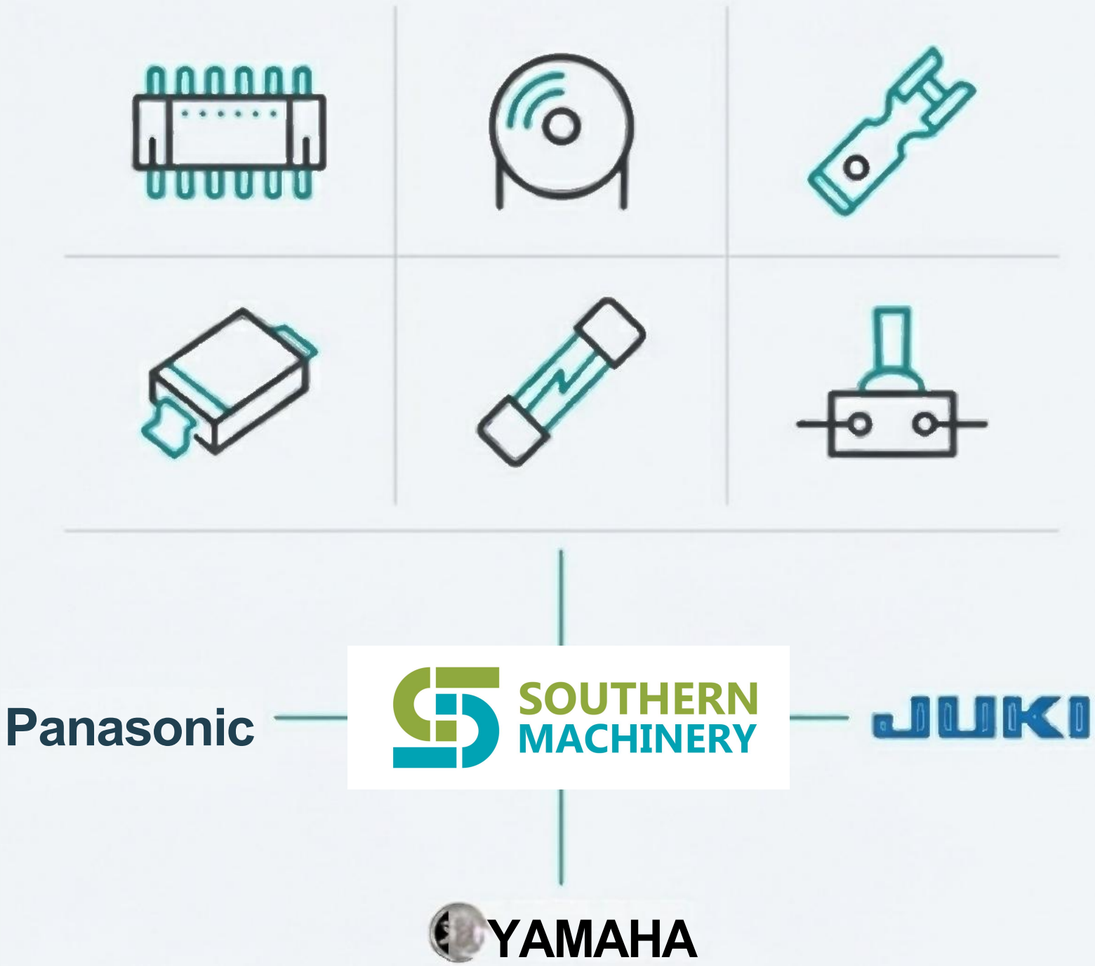
Benefit: Dramatically reduces per-component packaging costs,simplifies material procurement,and minimizes inventory management complexity.

Feature → Benefit:Unmatched Operational Flexibility

Feature: High Versatility &Universal Compatibility

Handles a diverse range of material types (Connectors,Buzzers,Terminals)from 3mm³to 20mm³.Designed to integrate with any brand of placement machine.

Advantage: Maximizes equipment ROI. A single feeder can be used across multiple production lines and for various products,simplifying New Product Introduction(NPI)and line changeovers.



Feature →Benefit:Precision &Production Reliability

Feature: Motor-Driven Belt with Fiber Optic Sensing

Advantage: Achieves quiet,low-vibration operation with precise±1mm feeding accuracy.

Benefit: Minimizes component damage, reduces pick-and-place errors,and ensures consistent,high-yield production runs.

Proven Performance: Passed 48-hour continuous operation test and 1000x continuous feeding test without abnormality.

SOUTHERN MACHINERY

S-MVF01:Technical Specifications

Dimensions (LxWxH):
850x140x 260 mm

Weight:12 Kg

Applicable Material Size:
3x3x3 mm—20x20x20 mm

Feeding Speed:
1.5-2.0S/cycle

Feeding Accuracy:±1 mm

Control System:
Mitsubishi PLC Control

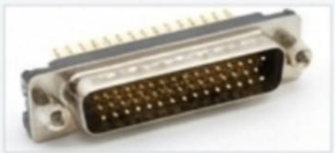
Power:
220V/50HZ|3A/6A(Avg/Peak)

Communication:
IO Communication or Self-Control

SOUTHERN MACHINERY

Application Spectrum &Material Guide

IDEAL FOR



Connectors

Buzzers &Speakers

Network Ports (RJ45)

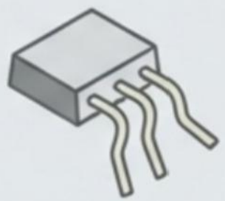
Terminals

Square Capacitors

**Materials with distinct physical features for orientation.*

CONSULTATION RECOMMENDED FOR

Parts with non-obvious orientation features.



Components with easily **deformed pins.**

L:H<1:1.2

Parts with a length-to-height ratio less than 1:1.2.

SOUTHERN MACHINERY

Seamless Integration,Global Support

Complete Line Solutions:

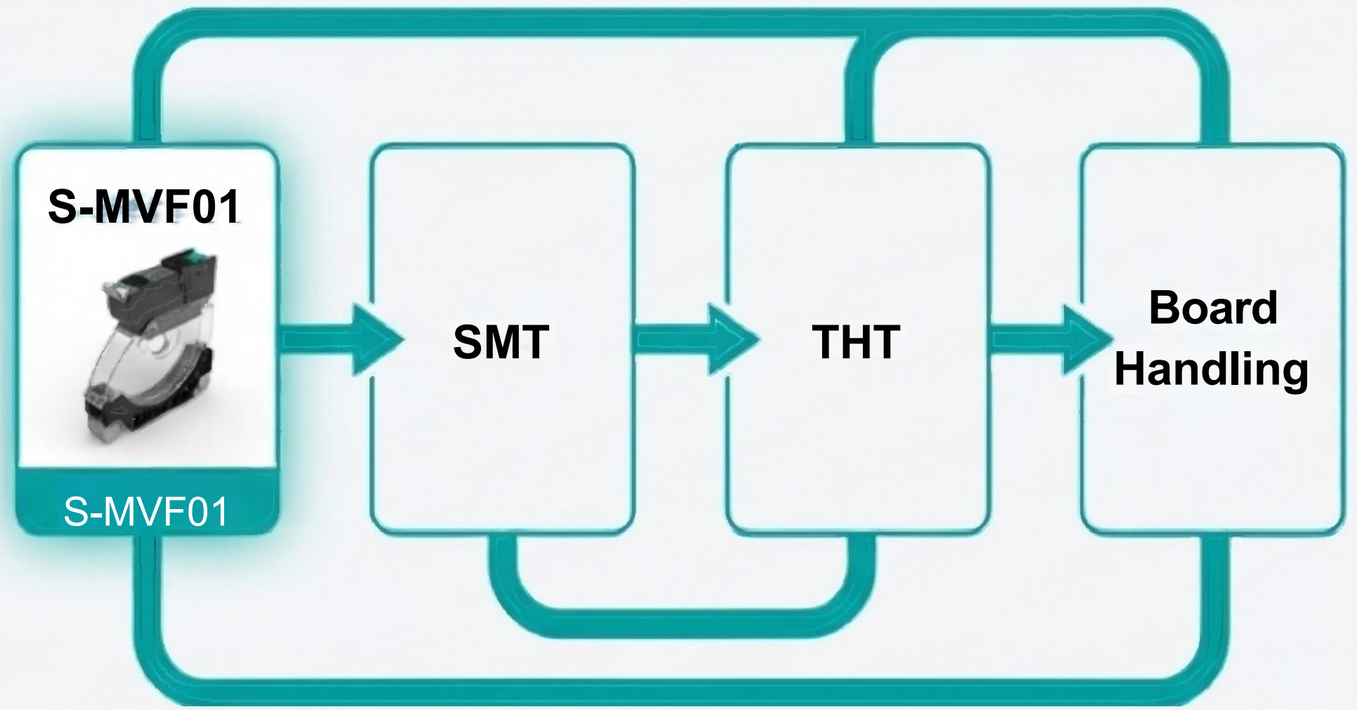
The S-MVF01 integrates perfectly into full SMT →THT→Board Handling automation lines.

Proven Expertise:

We are a trusted supplier for Panasonic,Mirae, JUKI,and YAMAHA equipment integration.

Global Service:

Worldwide technical support and spare parts availability ensure maximum uptime for our 237+EMS clients.



Integrated Technology Ecosystem

SOUTHERN MACHINERY

Our Promise

66 “We promise to deliver complete SMT→ **THT→Wave Soldering→Board Handling** solutions that reduce costs,eliminate production bottlenecks,and provide reliable

24/7 support for our global partnernetwork

Optimize Your PCB Assembly Line Today

Contact our sales engineering team to discuss your specific manufacturing challenges and explore a tailored automation solution.

Jason Wu |Primary Sales Engineer

jasonwu@smthelp.com

+86-136-0256-2576

www.SMThelp.com

SOUTHERN MACHINERY