

# Southern Machinery feeder solutions for SMT & THT

Enhancing efficiency and precision in electronics manufacturing, including axial, radial, tube, vibratory bowl, belt, label, and tray types

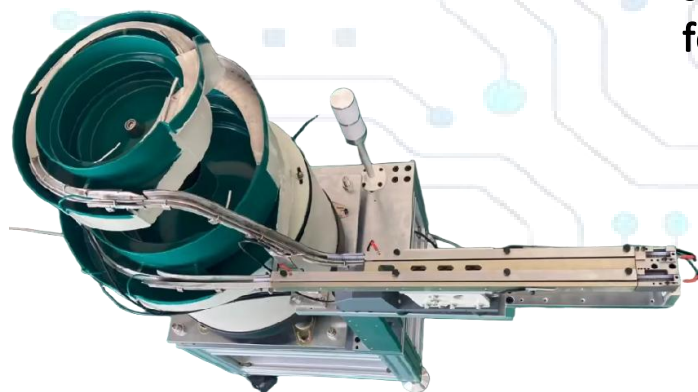
- Designed to automate the handling and placement of various electronic components,
- From standard to odd-form parts.
- Programmable controls,
- High compatibility with ANY SMT machines,
- Robust construction, and improved labor utilization,
- Aiming to reduce manufacturing costs and boost productivity in smart factories



# SBF1001 Bowl Feeder

## Functional features:

- Automates bulk component feeding for SMT THT machines and equipment,
- Boosting utilization and saving labor.
- It sorts, screens (direction/polarity), cuts, and shapes materials, enabling robotic integration for automated production



Category	Parameter	Specification
Overall Dimensions	Front and Rear Bowls) LxWxH)	1120 × 460 × 910mm
	Length × Width × Height(Single Bowl)	760 × 460 × 910mm
	Weight	Double bowls:190Kg;Single bowl:150Kg
Applicable Materials	Material Types	Electronic components,hardware parts,plastic parts,connectors
	Material Size	3 × 3mm-50 × 50mm
	Material Weight	10g-300g
Structural Parts	Feeding Method	Bulk feeding,vibratory bowl feeding
	Feeding Bowl Surface	Single bowl feeding,front and rear bowls feeding
	Material Conveyance	Relyon direct vibration+air blowing for conveyance
	Material Positioning Method	Optical fiber sensing
	Fixing Method	Positioning key+clamping block,supports other fixing structures
	Polarity Sorting	Optional function based on material requirements
	Lead Cutting	Optional function based on material requirements
Electrical Parts	Working Voltage	220V
	Average Current/Peak Current	3A/5A
	Working Air Pressure	0.4-0.6Mpa
	Operation Method	Button operation
	Upper Computer Connection	8-core s 16mm aviation plug
	Communication Method	Supports IO communication or self-control without communication
	Software Control	Developed based on PLC
Feeding Parts	Driving Method	Coil driving
	Feeding Speed	0.8S
	Speed Gears	Voltage and frequency adjustment
Inspection Records	Feeding Precision	± 0.5mm
	Feeding Test	Achieve 2-hour continuous feeding without abnormality
	Aging Test	Continuous operation for 48 hours without abnormality



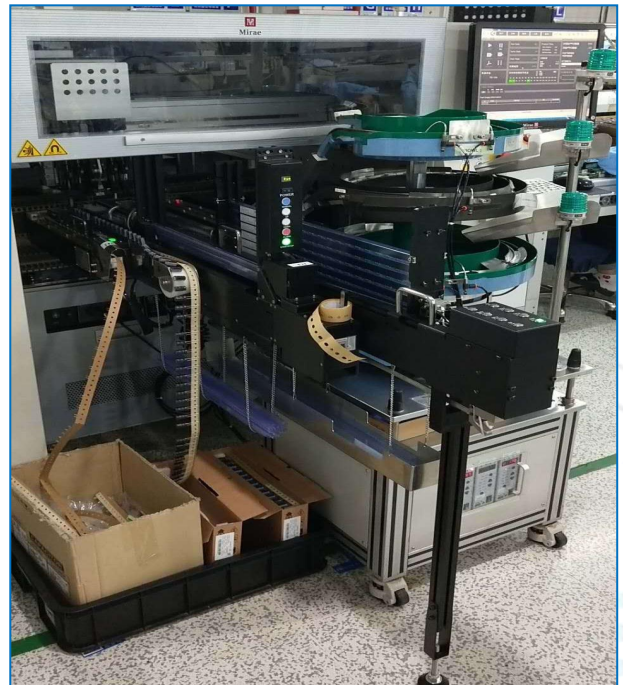
**Panasonic CM602 odd form machine  
install tube feeder+bowl feeder**



**JUKI odd form machine install tube  
feeder+bowl feeder+radial tape  
feeder**



**YAMAHA odd form machine install  
*tube feeder***



**Mirae odd form machine install tube  
feeder+bowl feeder+radial tape  
feeder**

# Your Trusted Partner for SMT & THT Solutions

Founded in Shenzhen in 2011, Southern Machinery specializes in designing and manufacturing advanced SMT/THT machinery for PCB assembly automation. Our precision-engineered equipment delivers cost-effective, high-efficiency solutions for both high-speed mass production and delicate small-batch manufacturing, ensuring durability and user-friendly operation.

Leveraging Shenzhen's electronics manufacturing expertise, we provide not just top-tier machinery but also industry-leading knowledge and best practices to global clients.

Explore our solutions at [www.smthelp.com](http://www.smthelp.com), follow our innovations on:

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Shaping the Future of Electronics Manufacturing.

