

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



SBF2002 Reciprocating Belt Feeder

Functional features:



- Automates bulk material feeding, saving packaging costs
- It's compact, quiet, and quickly replaceable,
- Offering high versatility for multi-pin components
- It includes material selection and NG return,
- Compatible with any placement machine

Category	Parameter	Specification
Dimensions	Length xWidth xHeight	850x140 × 260mm
	weight	12Kg
Applicable materials	Material Type	Connector,buzzer,network port,terminal,square capacitor
	Material size	3 × 3 × 3mm-20 × 20 × 20mm
	Material characteristics	Materials have distinct characteristics and can be distinguished physically; Physical features are not obvious and need to be divided into directions
	Unsuitable materials	Pins are easily deformed; Length to height ratio less than 1:1.2
Structural parts	Feeding method	Bulk material
	Feeding power	Motor driven belt feeding+direct vibration feeding
	Material positioning method a fixed way	Fiber opticinduction+direct vibration delay Positioning key + clamping block, supports other fixing structures
Electrical parts	Operating Voltage	220V50HZ
	Average curent/peak current	3A/6A
	working pressure	0.4-0.6Mpa
	Operation method	KeyOperation
	Host computer connection communication method	8-core s 16mm aviation plug Support IO communication or self-control without communication
	Software Control	Based on Mitsubishi (PLC control)
	Drive motor maximum speed	500 rpm
Feeding part	Feeding speed	1.5-2S
	Feed channel	Single channel feeding
	Speed gear	Prossure Debugging
	Feeding accuracy	± 1mm
Test records	Feeding test	Achieve 1000 times of continuous feeding without abnormality
	Aging test	Continuous operation for 48 hours without abnormality



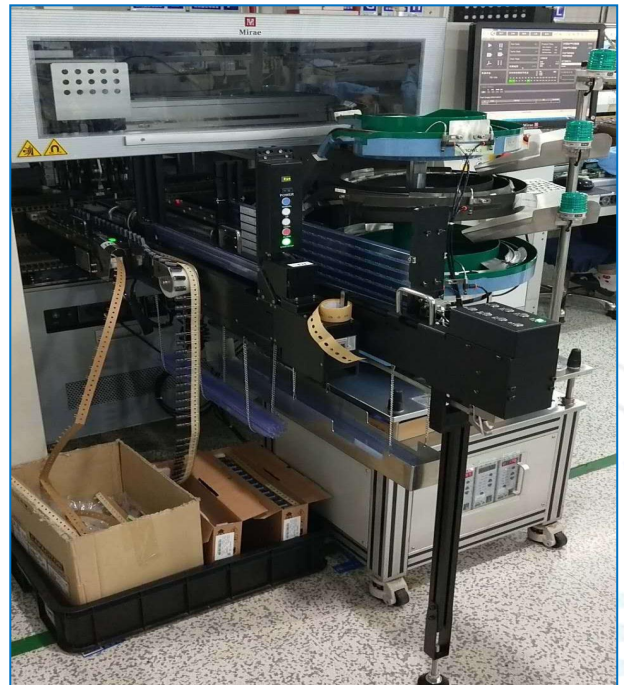
**Panasonic CM602 odd form machine
install tube feeder+bowl feeder**



**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, follow our innovations on:

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Shaping the Future of Electronics Manufacturing.

