

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



SRF1001 Radial Tape Feeder

Functional features:

- Automates feeding, shaping, cutting, and bending of radial components.
- Integrates with SMT machines for automatic DIP insertion, saving labor and boosting utilization.
- Customizable for odd-form and non-standard equipment, offering tape cutting and component bending options



Category	Parameter	Specification
Overall Dimensions	Length × Width × Height	720 × 92 × 165mm
	Weight	10Kg
Applicable Materials	Material Types	Electrolytic capacitors, Y-capacitors, square capacitors, terminals, springs, bent resistors
	Outline Dimensions	2 × 2 × 3-15 × 15 × 30mm
	Wire Diameter	Wire core:0.3-1.0mm
	Cutting Length	3-6mm(length adjustable)
	Tape Hole Pitch	12.7mm and 15mm(these two are not interchangeable)
Structural Parts	Feeding Method	Vertical tape feeding
	Feeding	Motor drives two feeding wheels for feeding
	Cutting Function	Made of imported materials, cutting length adjustable
	Shaping Function	Replace different shaping molds according to the distance between material
	Bending Function	Can bend components at 90 ° (this function is optional)
	Material Positioning Method	Dividing plates
	Tape Discharging	Transmitted and rotated back through the feeding wheel (the tail can be cut off optionally)
Electrical Parts	Working Voltage	24V
	Average CurrentPeak Current	4A/6A
	Working Air Pressure	0.4-0.6Mpa
	Operation Mode	Button operation
	Upper Computer Connection	8-core s 16mm aviation plug
	Communication Mode	Supports IO communication or self-control without communication
	Software Control	PLC control
	Drive Mode	Stepping motor
	Motor Type	42-type/86-type
	Maximum Motor Speed	600 rpm
Feeding Parts	Time for One Action Cycle	1S
	Feeding Position Adjustment	Y-direction adjusted by diwiding plates,X-direction adjusted bythe position of limit blocks
	Feeding Accuracy	± 0.2mm
	Feeding Detection (With or Without Material)	Detected by front-end optical fiber, alarms when there is no material for 3 consecutive times
Detection Records	Feeding Test	Achieve 1000 consecutive feeding times without abnormality
	Aging Test	Continuous operation for 48 hours without abnormality
	Cutter Service Life	5 million times (the cutter is a consumable)



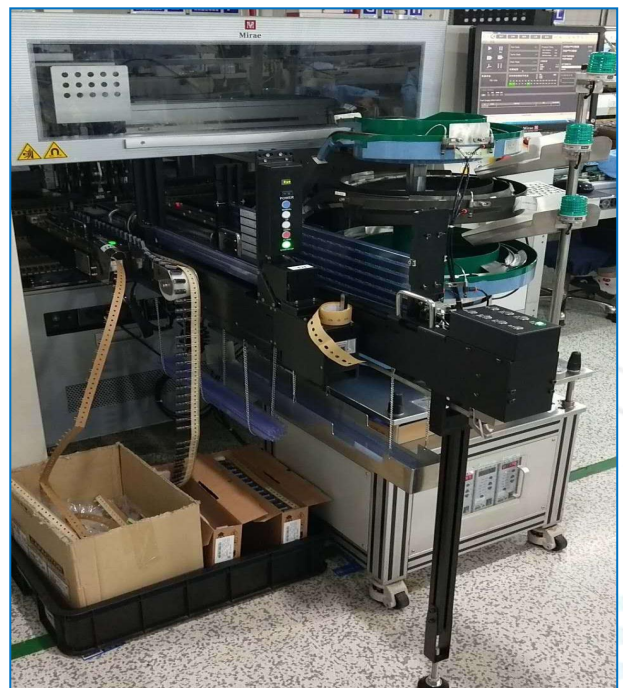
**Panasonic CM602 odd form machine
install tube feeder+bowl feeder**



**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.

