

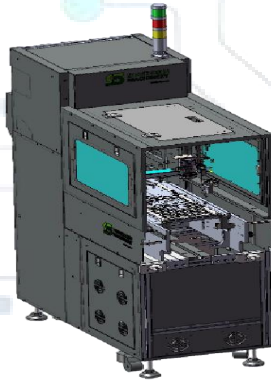
Southern Machinery feeder solutions for SMT & THT

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



STP1001 Tray Feeder



Functional features:

- Automates diverse tray material supply for SMT and auxiliary machines.
- It replaces manual labor via robotic arm integration, enabling automated production
- Supply the tray materials of various 3C products such as transformers, relays, hardware, plastic parts

Category	Parameter	Specification
Overall Dimensions	Length × Width × Height	1160 × 790 × 1530mm
	Weight	75Kg
Applicable Materials	Material Size	3 × 3 × 3mm-50 × 50 × 50mm
	Material Types	Transformers,relays,hardware parts,memory module sockets,large capacitors
	Blister Tray Size	150 × 150-200 × 300mm
	Blister Tray Material	PET plasticfilm
	Maximum Load of Material Tray	≤3Kg
Structural Parts	Feeding Method	Tray feeding
	TrayLifting Method	Lifting and conveying relying on motor+screw rod
	Tray Conveying Method	Moving the tray back and forth through the conveyor belt
	Fixing Method	Positioning key+clamping block,supports other fixing structures
	Empty Tray Collection Method	Conveying through the belt,sending emptytrays to the lifting platform
	Quantity of Loaded Trays (Height<10mm)	Can load 40 trays
	Quantity of Loaded Trays (Height>10mm)	Can load 20 trays
Electrical Parts	Working Voltage	220V
	Average Current/Peak Current	5A/8A
	Working Air Pressure	0.4-0.6Mpa
	Operation Method	Touch screen+button operation
	Upper Computer Connection	8-core s 16mm aviation plug
	Communication Method	Supports IO communication or self-control without communication
	Software Control	Based on PLC
	Driving Method	Servo motor
	Motor Type	Lifting 400Wservo,conveying 100Wservo motor
	Maximum Motor Speed	3000 rpm
Feeding Parts	Feeding Speed	Time for supplying one material:3S
	Types of Fed Materials	Can supply different types of materials from multiple trays,byswitching trays
	Feeding Precision	± 1mm
Inspection Records	Feeding Test	Achieve 500 times of continuous feeding without abnormality
	Aging Test	Continuous operation for 48 hours without abnormality



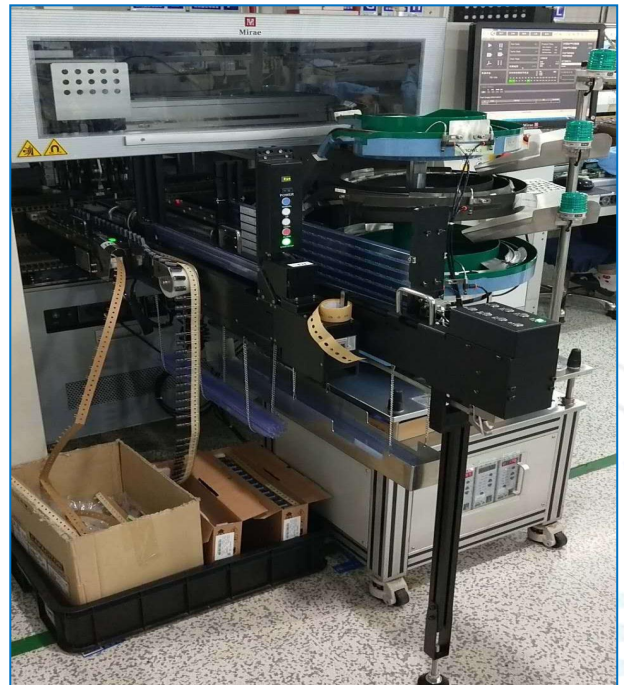
**Panasonic CM602 odd form machine
install tube feeder+bowl feeder**



**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:

- [\[LinkedIn Company Page\]](https://www.linkedin.com/company/smtmachine)(https://www.linkedin.com/company/smtmachine)
- [\[LinkedIn Profile\]](https://cn.linkedin.com/in/smtsupplier)(https://cn.linkedin.com/in/smtsupplier)
- [\[Twitter\]](https://twitter.com/smtspecialist)(https://twitter.com/smtspecialist)
- [\[Facebook\]](https://www.facebook.com/autoinsertion)(https://www.facebook.com/autoinsertion)
- [\[YouTube Channel\]](https://www.youtube.com/c/Smthelping)(https://www.youtube.com/c/Smthelping)
- [Browse our machine catalog](https://file.autoinsertion.com) at (https://file.autoinsertion.com)
- [Find machine photos](https://ph.smthelp.com) at (https://ph.smthelp.com)

Shaping the Future of Electronics Manufacturing.

