

# Product Manual

- Expertise
- Reliability
- Commitment
- Integrity
- Responsiveness





Parameter Category	Technical Parameter
Model	RF-TF6441 Automatic Double-Station Environmentally Friendly Depaneling Machine
Cutting Range X/Y/Z (mm)	600/400/400/100
Programming Method	Teaching Programming or Graphic Import
Movable Graphic Trajectories	Point, Straight Line, Arc, Full Circle, Curve, Polyline, Spiral Line, Ellipse
Cutter Head	Precision Milling Cutter
Spindle	800W
Frequency	5 times/second
Maximum Load	10kg
Moving Speed (mm/sec)	0--500mm
Repeatability Accuracy, Cutting Accuracy	± 0.02 mm
Control Method	Microcontroller + Handheld Box
Number of Programs Recorded	1000 sets
Display Method	LCD Teaching Box
Motor System	Japan Shinano Motors
Driver	Yancode (研控)
Guide Rails	Taiwan Hiwin (上银)
Photoelectric Switch	Huayifeng (华怡丰)
Transmission Method	Synchronous Belt / Taiwan TBI Ball Screw
Fixture	Material is Bakelite (Targeted)
Environmental Shield	Sheet Metal Environmental Shield
Input Power	Full Voltage AC110V ~ 220V
External Control Interface	RS232
Dimensions	Length 135cm Width 80cm Height (top to bottom) 190cm

# 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**



# 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.

