



MT-1600 AUTOMATIC WASTE TAPE CUTTER

CATALOG



AUTOMATIC WASTE TAPE CUTTER MACHINE

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Product Description

Disorder/Clutter in production line area without using
Automatic Waste Tape Cutter



MT-1600 series Automatic Waste Tape Cutter is R & D according to market demand, widely used for automatic cutting of waste reel tape. This machine can improve SMT lines safety, maintain clean working environment and with high speed operation.

- TIME SAVING AND IMPROVE EFFICIENCY; eliminate downtime to sort up waste reel tape. Just insert waste reel tape into your machine one time.
- NEAT AND ORGANIZED; for personnel, material transfer and change operations brings convenience and speed improvement.
- IMPROVE SITE SAFETY AND SECURITY; avoid obstruction during machine operation.



Automatic Waste Tape Cutter Manual

A. MT-1600 Parameter

Important note: This model applies to all brands of SMT machine without Cutting features.

Rated voltage: AC210 - 240V

Reactive power Rate: $\leq 10W$

Cutting thickness: 0.05~18mm

NET Weight: 45kg

Rated pressure: 0.40.6Mpa

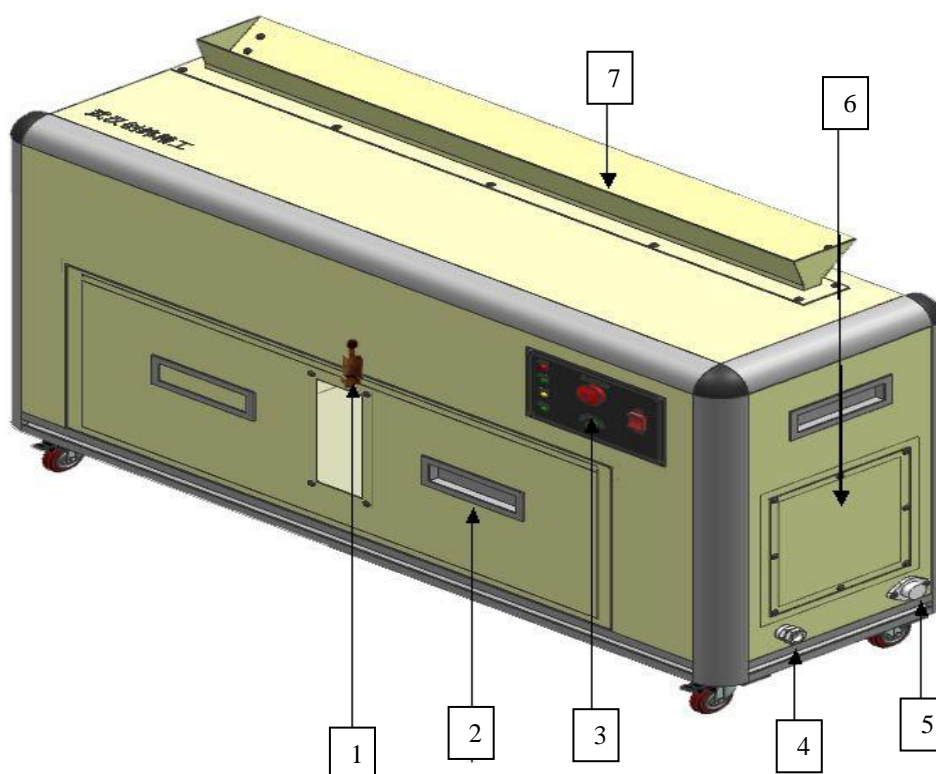
Adjustment range: 0~5 Minutes

Cutting length: 850mm

Overall dimensions: 1010*460*280

II. Product description

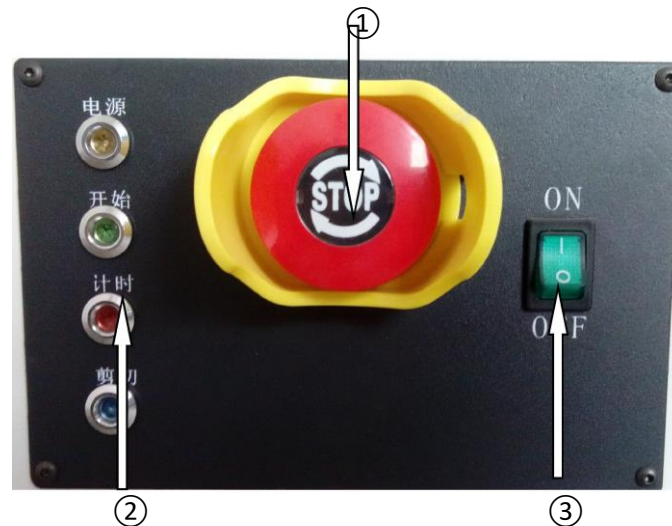
Our machine will adjust the cut frequency of waste tape cutting equivalent to SMT speed from 0~5 minutes, helps in maintaining SMT production line's safe, well-ordered and high speed operation. Increase SMT operation's efficiency.



Main Parts

- ① Material storage cabinet retaining pins
- ② Storage cabinets
- ③ Control Panel
- ④ Air intake fast
- ⑤ Power air interface
- ⑥ Control unit
- ⑦ Inlet, Guide material Groove

II. Control Panel



III. Operating instructions

1. Emergency stop switch
 2. Lights (respectively: power supply started; time; cut)
 3. Power switch
-
1. And the **power connector** and the **air intake** access rated power, gas (power led is lit);
 2. Would require cutting the Strip **evenly** into the **inlet**
 3. Check **storage cabinet latches** into place (if not in place, to cut the waste could be spilled out of the lockers)
 4. Open **Emergency stop switch**
 5. And power on switch (**Start** and the **Timer** light is lit), (tool complete shear and shear cuts the time to light is lit, cut the finished cut led off and start timing);

IV Important tips:

1. And the **inlet** below the sharp items, do not put his hand into the!
2. And the **storage cabinet latch** must be in place, such as inserting **material storage cabinets** may shift, resulting in cutting waste with the scattered out of the locker.

IV Adjustments:

The default settings as shown in the figure on the right

If you need to adjust the time:

Remove ⑥ Control unit cover

1. Regulation T2 To the desired time (T1 As shown in 1S Prohibition regulation)



Structure Description

1. Timing control system: the main set of intake and exhaust time so as to control the machine cutting time interval,

Enclosed are lighting instructions and emergency switches.

2. The in-feed and discharge systems: including feeding trough, cutting board and storage cabinets.
3. Machine support system: achieve the cylinder, blades, control systems support and accommodate, and constitute the machine's casing.
4. Machine drive system: including solenoid valves, cylinders and guide the slider, the compressed air inlet and exhaust operation.
5. Machine-cut system: includes upper and lower blades, the power cylinder through the bite cut tape.

Packing List and Site Assembly Drawings

Number	Boxed Contents	Number	Notes
1	Machine Host	1	Built-in storage cabinet
2	Power cord	1	Placed in a storage cabinet
3	Intake manifold	1	Placed in a storage cabinet
4	Instructions for use	1	Placed in a storage cabinet



Site access power (AC210 ~ 240V) and gas (0.4 ~ 0.6MPa) can be used.

Description of the principle

Timing control system, the time relay solenoid valve connected to the intake operation within a specified time, compressed air to promote the cylinder cylinder axial forward, and then push the upper and lower blade quickly close and bite, sharp blade cut off through the feed slot into the blade With the tape to cut off with tape function; time relay within the specified time control solenoid valve exhaust, cylinder reset, repeated cycle of action. Reduce labor throughout the production period.

Equipment Commissioning and troubleshooting

No.	Trouble	Cause	Countermeasure
1	Power LED not lit	<ol style="list-style-type: none"> 1. Power supply cable is damaged 2. Internal wire interface is loose 	<ol style="list-style-type: none"> 1. Replace the power cord. 2. Check each wire interface and press tight.
2	Starting and timing lights are not lit	<ol style="list-style-type: none"> 1. The power switch or emergency stop switch is not turned on 2. Power supply or quench switch is damaged 3. Internal wiring interface is loose 4. Time Relay Damage 	<ol style="list-style-type: none"> 1. Toggle on 2. Replace switch 3. Check each wire connector and press 4. Replace time relay
3	Cylinder no action (cut off indicator on time)	<ol style="list-style-type: none"> 1. No gas or insufficient air pressure 2. Solenoid Valve Damage 3. Cylinder Damage 	<ol style="list-style-type: none"> 1. Check whether the airway is clogged or leaking, and adjust atmospheric pressure 2. Repair or replace solenoid valve 3. Cleaning or replacing cylinders
4	Cylinder no action (cut off LEDs not lit on)	<ol style="list-style-type: none"> 1. Time relay damage 	<ol style="list-style-type: none"> 1. Repair or replace solenoid valve
5	Not cut or partially cut off (cylinder has action)	<ol style="list-style-type: none"> 1. Blade Support Rack Shift 2. Upper and lower blade 3. Clearance is too large 4. Blade Wear 	<ol style="list-style-type: none"> 1. Check the support frame and press the dead support frame. 2. Reinstall the top and bottom blades notice gaps 3. Sharpening and reinstalling the top and bottom blades
6	The cut material belt leaks out the material storage cabinet	<ol style="list-style-type: none"> 1. Storage Cabinet Full 2. The storage cabinet is not placed in place 3. Guide material is not installed in place 	<ol style="list-style-type: none"> 1. Empty Storage Cabinets 2. Place the storage cabinet in place and lock the door lock 3. Install guide block in place
7	Abnormal sound	<ol style="list-style-type: none"> 1. Guide slot close to Upper Blade 2. No gap between top and bottom blades 	<ol style="list-style-type: none"> 1. Increase the guide groove about 0.2~0.8mm 2. Adjust upper and lower blades to appropriate clearance
8	Poor feed	<ol style="list-style-type: none"> 1. Feed trough has foreign matter 	<ol style="list-style-type: none"> 1. Cleaning the feed slot foreign objects

Care and Maintenance

1. Cutting machine table cannot pile up debris.
2. Pay attention to protect emergency switch, power connector and air inlet interface.
3. Avoid trampled materials on the machine, scattered materials easily damaged structure, leading to poor material guide and abnormal cutting results.
4. Each shift should check the feed tank once, during use there will be sticky tape or tape clogging feed tank leading to poor feed, should promptly clean the feed tank.
5. The machine lubrication table.

No.	Location	Schedule	Method	Lubricant Type
1	4 Group Rail Slider	Once a month	Oil gun	Rail Oil or 20# Oil
2	Cylinder Shaft	Half a year.	Oil gun	Rail Oil or 20# Oil