

# Fully automatic rubber shell and sheath threading terminal machine

TR-DM071

Functions: Cut to length, crimp single/double ends, strip single/double ends, single wire through rubber casing, single end through sheath and pull in place.



# Craftsmanship

Creating high quality machines



Strength  
manufacturers



No worries  
after the sale



Support for  
customisation



technical  
guidance



durable

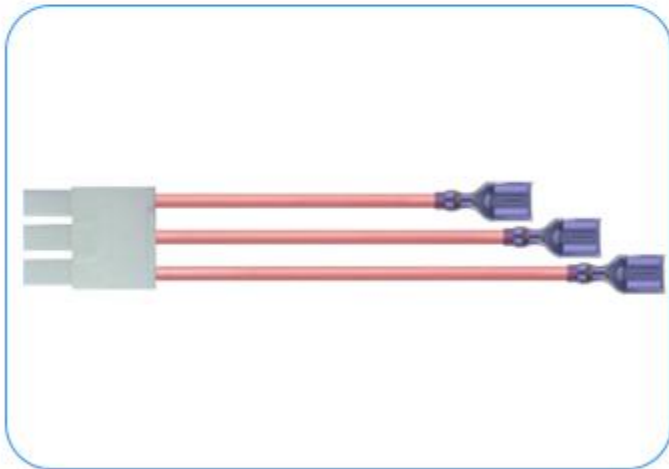


excellent  
quality

# Processing sample display



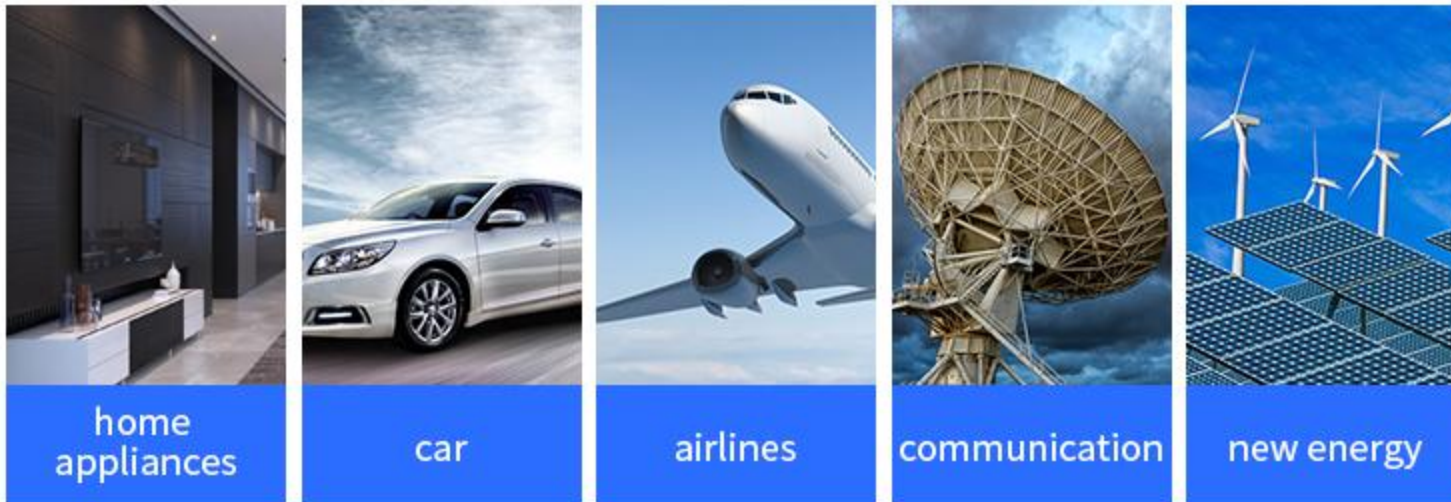
Can be adapted to 2-8 different colours of wire processing compatible with a variety of OTP card mode, versatile



# Areas of application



Can be non-standard customised all kinds of wire harness processing equipment



# Product Parameter

Equipment name	TR-DM071 Fully automatic rubber shell and sheath threading terminal machine		
Equipment efficiency	2.5 sec/hole (L=150 mm)		
pressure capability	20kN	Air source	0.6-0.8Mpa
Applicable wire diameter	0.3-2.5 mm <sup>2</sup>	Strip length	0-10 mm
Cutting length	70-9999 mm	environmental temperature	-5 to 40°C
push against travel	30/40 m	Power source	AC 220V 50/60Hz
Cutting accuracy	±0.5 + L*0.2% mm	Power	3 kw
size	Approx. L1500*W800*H1860 mm		

## detection unit

1. terminal presence detection
2. Shell lack of material detection
3. Sheath lack of material detection
4. Abnormal air pressure detection
5. Missing wire or knot detection
6. Tie number reach detection
7. Total quantity reached detection
8. Insertion torque detection
9. Abnormal servo motor detection
10. Bad terminal crimping (optional)
11. Terminal appearance defective (optional)

## Options

1. Sheathing module workstation
2. Sheathing module workstation
3. Pre-feeding device
4. Servo motor crimping
5. Inverter motor crimping
6. Safety cover
7. Take-up conveyor
8. MES production management system
9. Pressure management monitoring device
10. CCD image detection device

# Equipment Configuration



Main components	brand name
Servo Motors & Drives	Mitsubishi / Huichuan
Stepper Motors	Research control
Variable Frequency Motors	Oster/Deli
Screw guide	Taiwan Shangyin / TBI
Power switches	Ming Wei / Schneider / Chint
Pneumatic components and solenoid valves	SMC/Artek
Sensor	Omron

## Equipment features



- Adaptable to the processing of 2-8 different coloured wires.
- Can cope with the insertion of single-row and double-row rubber shells.
- Can cope with the insertion of 20-hole plastic shells.
- Compatible with a variety of OTP card moulds, strong versatility.
- Without inserting the plastic shell end, it can achieve other processes such as pulling through the sheath and crimping, twisting the wire and dipping it in tin.
- With insertion torque detection, effective detection of terminal insertion yield.
- Ethernet bus servo motor, communication efficiency increased by 50% compared with the previous generation.
- The terminal machine can be made of integrated cast iron, which is durable and has a ten-year warranty.
- CNC man-machine operation interface, easy to use.
- Pressure monitoring system, CCD visual inspection system, safety guard, wire feeding and take-up belt, MES system and other components can be added.

## Product Details



### ●●● wire feeder

Self-developed one out of three wire feeder, according to the harness for adaptive transport, straightening, synchronous wire feeding

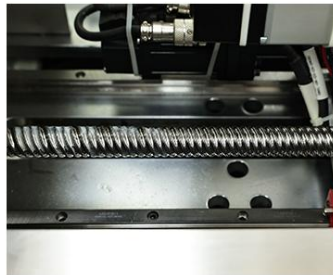
### ●●● Rotating Touch Screen

Convenient debugging operation, running interface simple one key to modify the parameters, without moving the mechanical parts.



### ●●● Screws and slides of well-known brands

High translational accuracy to ensure machine running precision



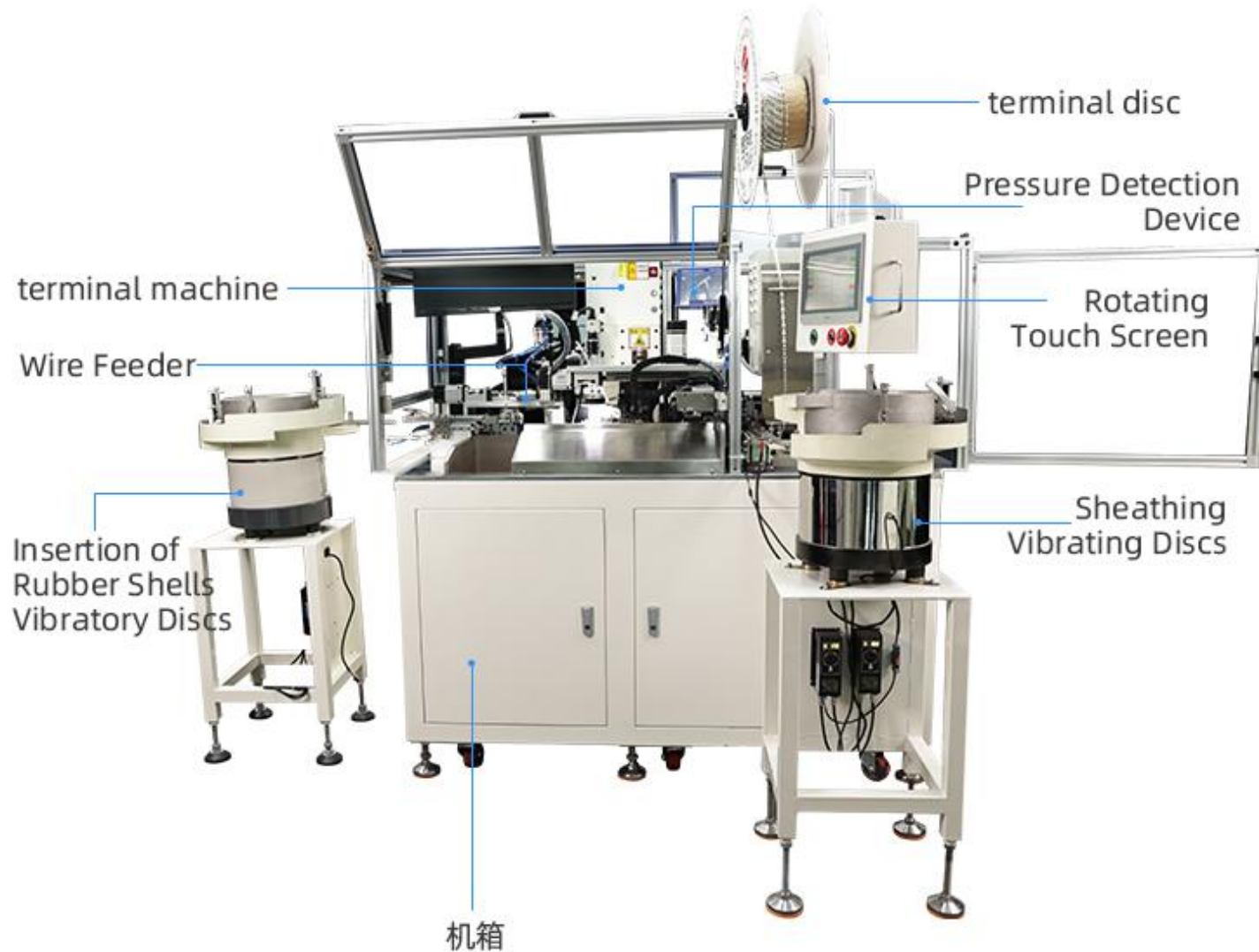
### ●●● Pressure testing

The machine is equipped with imported brand pressure detection to eliminate defective products and improve product qualification rate.





# Product Structure Diagram



## Product Display

