

USER'S MANUAL

BOBBIN WINDER
TBW-1

(For Multi Cording Device)



Foreword

This user's manual describes about the correct using method and instructions for use of this product. Please use this machine after understanding the contents of the manual.

This manual may contain discrepancies in detailed specifications as compared with the actual production model. If you have any questions about this manual, consult your TAJIMA distributor.

TISM Co.,Ltd.

Safety precautions

To prevent any harm or damage to the person who use this product or other person, we describe items that must be surely followed as below.



Indicates that there is a lot of danger of death or serious injuries [*1] if handled by mistake.




Indicates that there is a likelihood of death or serious injuries [*1] if handled by mistake.





Indicates a potentially hazardous situation which may result in minor or moderate injury [*2] or property damage if handled by mistake.

*1: A condition caused by electric shock, injury, fracture of a bone, etc., that leads to aftereffects, or an injury that necessitates hospitalization or visits to a hospital over a long period.

*2: An injury that does not necessitate hospitalization or visit to a hospital over a long period.

: Prohibited items

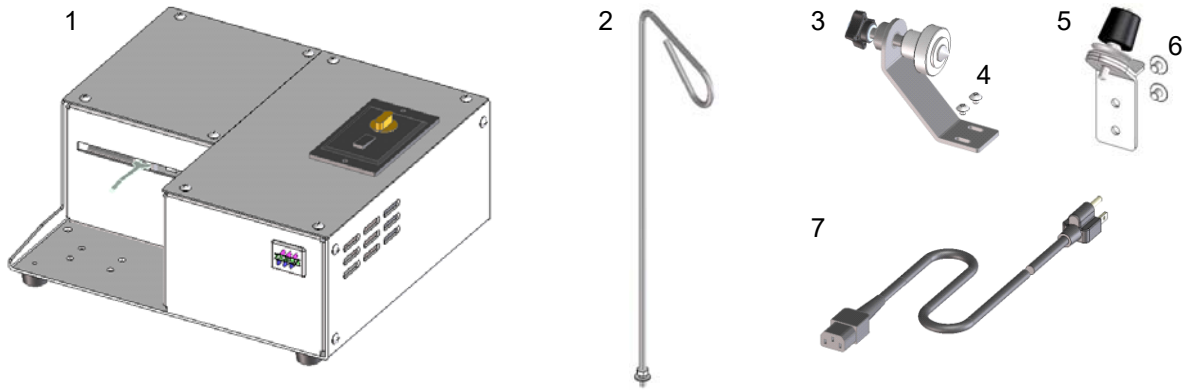
: Items that may cause electric shock if not observed

: Items that must be followed carefully to ensure safe operation

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The Bobbin Winder (TBW-1) is a device that winds a cord on a exclusive bobbin (100 mm width) used in the Multi Code Device.

1. Items packed with the TBW-1

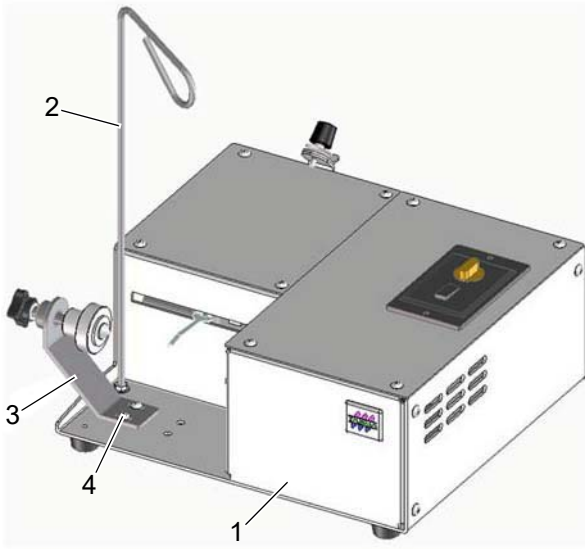


| Number | Name | Quantity |
|--------|---|----------|
| 1 | Main body | 1 |
| 2 | Thread guide | 1 |
| 3 | Bobbin winder | 1 |
| 4 | Truss Head Screw M4*8 | 2 |
| 5 | Tension set | 1 |
| 6 | Truss Head Screw M4*6 | 2 |
| 7 | AC power supply harness ^[*1] | 1 |

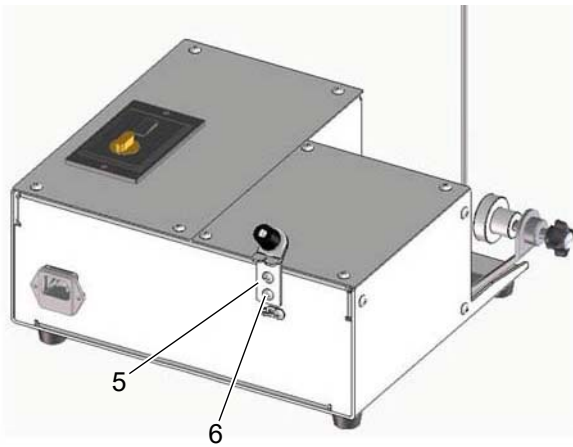
[*1] TBW-1 has 3 types of harnesses (for 100 V, 110 to 120 V, 220 to 240 V) depending on the power supply specifications.

2. Assembling

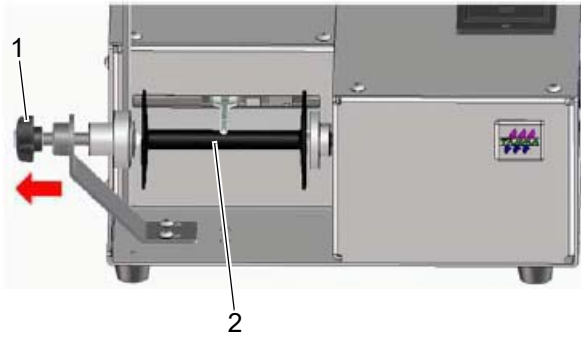
1. Attach the thread guide 2 to the main body 1. Attach the bobbin winder 3 with screws 4.



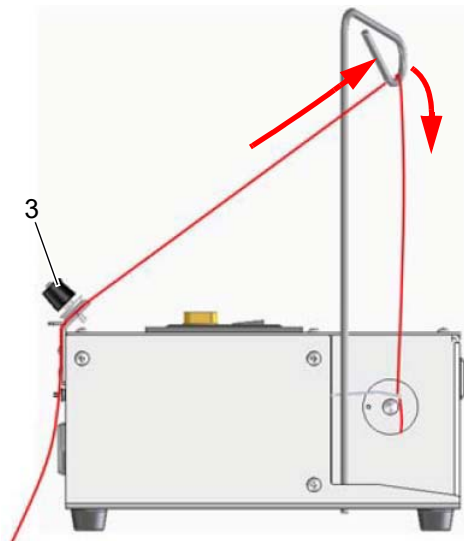
2. Attach the tension set 5 with screws 6.



2-1. How to wind the bobbin

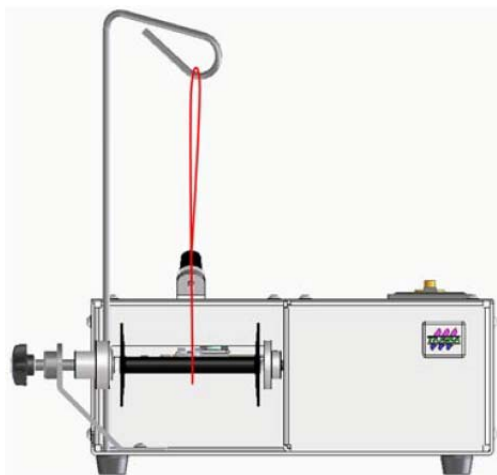


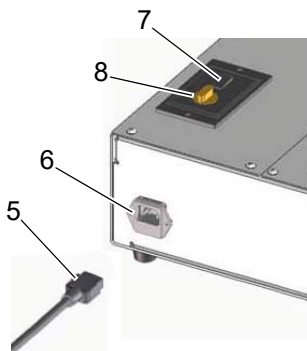
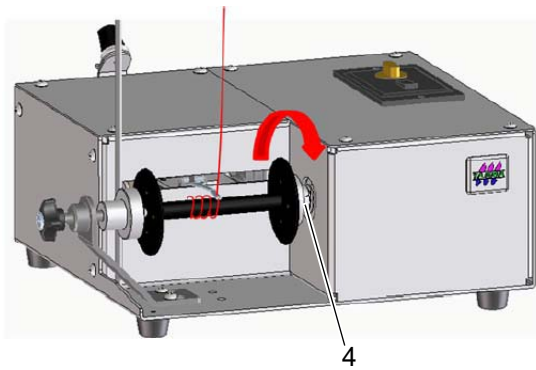
1. Pull the knob 1 to the left and set the bobbin (100 mm width) 2.



2. Pass the cord from the cord cone as shown on the left. Adjust the cord tension 3 according to the thickness of the cord.

Cord cone side





3. Turn the bobbin winder 4 in front and wind the cord around the bobbin several times to avoid idling.

4. Insert socket 5 of the AC power supply harness into the AC inlet 6.

5. Turn on the power switch 7.

The bobbin winder 4 rotates according to the setting position of the volume 8.

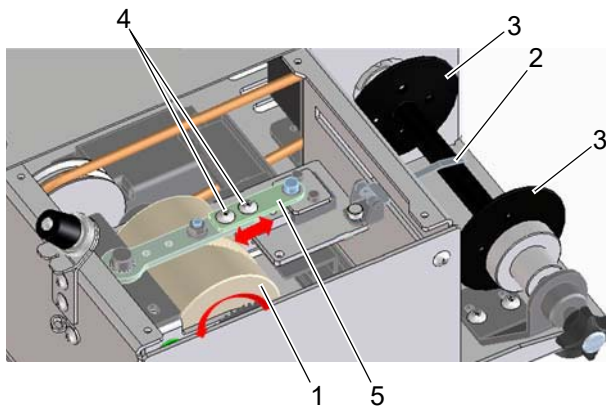
- At the beginning, start winding at low speed and wind at high speed once the winding operation is stable.
- The winding time varies depending on the thickness and the type of the cord. (About 5 minutes to 10 minutes to complete)
- Pay attention to the cord winding time due to the timer or detection sensor are not attached in this device.

3. How to adjust

As this device has been adjusted at the factory shipment, the adjustment is not necessary. However, If the cord cannot be wound evenly while using this device, make the following adjustments.

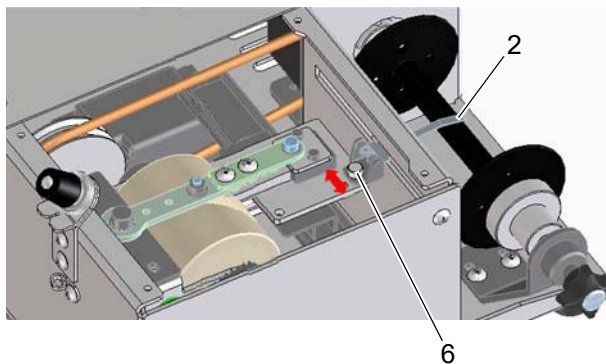
3-1. The stroke of the guide lever

Rotate Cylindrical Cam 1 by hand and the guide lever 2 strokes left and right and equally touches to the both end flange 3 of the bobbin. It is the normal status.



1. Remove the top cover.
2. Loosen the screw 4, move the turning lever 5 back and forth, and adjust the stroke of the guide lever 2 slightly.

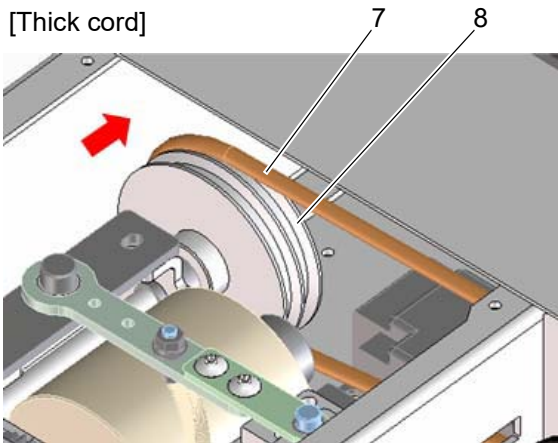
3-2. The position of the guide lever



1. Loosen the screws 6 and slightly adjust the lateral position of the guide lever 2.

3-3. When winding a thick cord

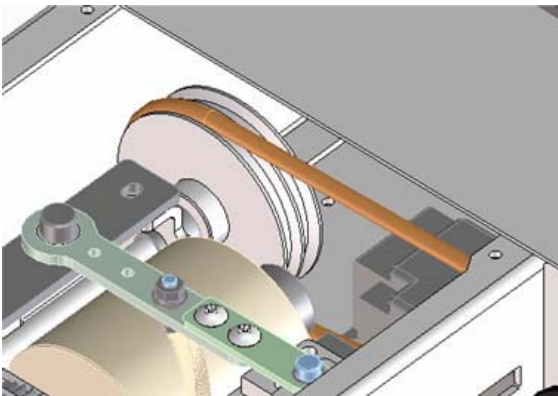
[Thick cord]



1. If the thickness of the cord is 2 mm or more and the winding line of the cord of the bobbin overlaps along with unstable winding, fit the the round belt 7 to the right pulley.

The pitch of the winding line becomes wider.

[Normal cord]



4. Specification

| | |
|------------------------------|--|
| Outer size | Width: 286 mm, depth: 250 mm, height: 329 mm height of the main body: 137mm |
| Gross weight | 7.8 kg |
| Bobbin rotation speed | 20~300 rpm |
| Power supply voltage | Single phase 100~120V Single phase 200~240V |
| Allowable voltage range | ±10% of the rated voltage |
| Frequency | 50/60Hz |
| Apparent power | 100~120V: 37VA 200~240V: 36VA |
| Effective power | 28W |
| Insulation resistance | 10M ohms or more (500 megger insulating-resistance tester) |
| Short-circuit current rating | 1A |

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