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RAYSON TD-130

RAYSON TD-130 34 Hole Wire Binding Machine User Manual

Model: TD-130

1. INTRODUCTION

The RAYSON TD-130 is a manual 34-hole wire binding machine designed for efficient document organization. It features a 3:1 pitch, allowing for precise punching and binding of various document sizes. This machine is ideal for small offices, classrooms, or home use, providing a professional finish to reports, presentations, and other documents. Key features include a punching capacity of up to 15 sheets (80gsm A4 paper) and a binding capacity of up to 120 sheets (13mm wire ring). The adjustable margin depth ensures optimal binding for different document thicknesses, and the integrated waste collection tray simplifies cleanup.

2. PRODUCT OVERVIEW AND COMPONENTS

Familiarize yourself with the main components of your RAYSON TD-130 binding machine for proper operation.

- 1 Paper Stopper
- 2 Punch & Wire Size Select
- 3 Binding Plate
- 4 Operate Handle
- 5 Paper Feed Slot
- 6 Wire Slot System
- 7 Paper Margin Adjustment
- 8 Waste Collection Tray
- 9 Spine Size Selector



Figure 2.1: Main components of the TD-130 binding machine.

1. **Paper Stopper:** Guides paper for consistent punching.
2. **Punch & Wire Size Selector:** Adjusts settings for punching and wire binding.
3. **Binding Plate:** Holds the wire spine during the binding process.
4. **Operate Handle:** Used for punching holes in paper.
5. **Paper Feed Slot:** Where paper is inserted for punching.
6. **Wire Slot System:** Area for placing and closing wire spines.
7. **Paper Margin Adjustment:** Controls the depth of the punched holes from the paper edge (2.5mm, 3.5mm, 4.5mm).
8. **Waste Collection Tray:** Collects paper scraps from punching.
9. **Spine Size Selector:** Indicates the appropriate wire spine size.

3. SETUP

3.1 Unboxing and Assembly

Upon unboxing, locate the operate handle, which is typically stored on the bottom of the machine. Insert the handle into the designated slot and secure it.

The handle of the machine is placed on the bottom of the machine

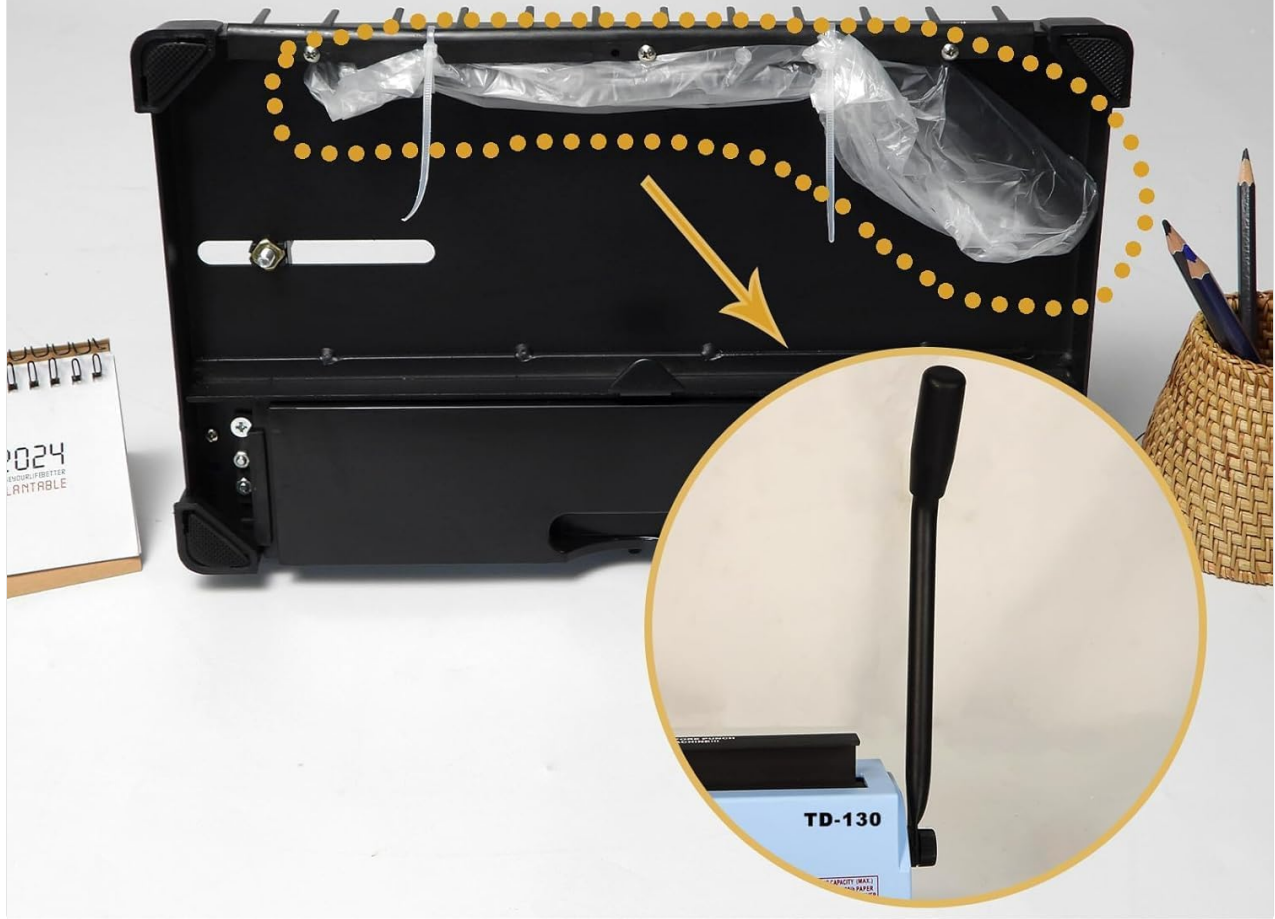


Figure 3.1: Handle stored on the bottom of the machine.

3.2 Initial Cleaning (Removing Anti-Rust Oil)

Before first use, it is crucial to clean any anti-rust oil from the punching blades. Use a few sheets of scrap paper (at least 6 times) to punch through the machine until no oil stains are visible on the punched paper. This ensures clean and precise punching for your documents.

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Video 3.1: Demonstrates assembly and cleaning of anti-rust oil on a similar RAYSON binding machine (TD-1500B34R).

4. OPERATING INSTRUCTIONS

4.1 Punching Documents

1. **Adjust Margin Depth:** Locate the paper margin adjustment knob on the side of the machine. Rotate it to select the desired margin depth (2.5mm, 3.5mm, or 4.5mm) based on your document's thickness. Thicker documents generally require a larger margin depth.



Figure 4.1: Margin depth adjustment settings.

- Set Side Stopper:** Adjust the side stopper to align your paper size (e.g., A4, B5, Letter Size, Junior Legal) for consistent punching.



Figure 4.2: Paper size guide and side stopper.

- Insert Paper:** Insert up to 15 sheets of 80gsm A4 paper into the paper feed slot, ensuring it is flush against the side stopper and margin guide.
- Punch Holes:** Firmly pull down the operate handle to punch the holes. Release the handle and remove the punched paper. Repeat for all pages.

4.2 Wire Binding (3:1 Pitch)

The TD-130 is designed for 3:1 pitch double wire binding, suitable for up to 120 sheets.

1. **Prepare Wire Spine:** Select a wire spine appropriate for your document thickness (up to 13mm for 120 sheets). Place the wire spine onto the binding plate's metal hooks, ensuring the open side faces upwards.
2. **Load Punched Pages:** Carefully thread the punched pages onto the open wire spine. Ensure all pages are correctly aligned.
3. **Close Wire Spine:** Once all pages are loaded, pull the operate handle downwards to close the wire spine. The machine will compress the wire, securing your document.
4. **Remove Document:** Release the handle and remove your professionally bound document.

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Video 4.1: Demonstrates punching and wire binding using a similar RAYSON binding machine (TD-1500B34R).

4.3 Spiral Binding (3:1 Pitch)

The TD-130 can also be used for spiral binding with 3:1 pitch coils.

1. **Punch Holes:** Follow the punching instructions in Section 4.1 to punch holes in your document.
2. **Insert Spiral Coil:** Manually thread the spiral coil through the punched holes. Ensure the coil is inserted smoothly.
3. **Secure Coil:** Once the coil is fully inserted, use a pair of pliers to cut off any excess coil and crimp the ends to prevent unraveling.

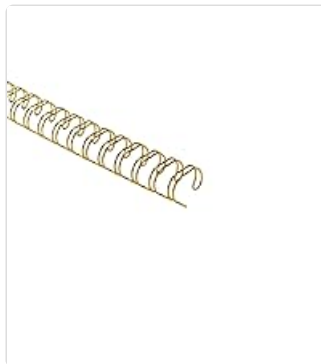


Figure 4.3: Spiral binding a document.

4.4 Manual Book Ring Binding

For documents requiring flexible binding, book rings can be used.

1. **Punch Holes:** Follow the punching instructions in Section 4.1 to punch holes in your document.
2. **Insert Book Rings:** Manually insert the desired number of book rings through the punched holes.
3. **Close Rings:** Close the book rings to secure the document.

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Video 4.2: Demonstrates manual book ring binding using a similar RAYSON binding machine (TD-1500B34R).

5. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your TD-130 binding machine.

- **Empty Waste Tray:** Regularly check and empty the waste collection tray located at the bottom of the machine. This prevents paper scraps from accumulating and potentially jamming the punching mechanism.
- **Clean Blades:** Periodically punch through a few sheets of scrap paper to help clean any residue from the punching blades.
- **Lubrication:** If the punching action becomes stiff, apply a small amount of machine oil to the moving parts of the punching mechanism.
- **Storage:** Store the machine in a clean, dry environment when not in use.

6. TROUBLESHOOTING

If you encounter issues with your TD-130 binding machine, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Incomplete or Jagged Punches	Too many sheets inserted; dull blades; paper not aligned correctly.	Reduce the number of sheets per punch; clean blades with scrap paper; ensure paper is flush against guides.
Paper Jams	Overloading the machine; waste tray is full.	Do not exceed the maximum punching capacity (15 sheets); empty the waste collection tray.
Binding Wire Does Not Close Properly	Incorrect wire size for document thickness; wire not properly seated on binding plate.	Ensure the wire size matches the document thickness; verify the wire is correctly placed on the metal hooks.
Handle is Stiff	Lack of lubrication; debris in mechanism.	Apply machine oil to moving parts; clean the punching mechanism.

7. SPECIFICATIONS

Feature	Specification
Brand	RAYSON
Model Number	TD-130
Punching Capacity	Up to 15 sheets (80gsm A4 paper)
Binding Capacity	Up to 120 sheets (13mm wire ring)
Hole Count	34 holes
Pitch	3:1
Adjustable Margin Depth	2.5mm, 3.5mm, 4.5mm
Material Type	Metal
Color	Blue
Item Weight	5.27 Kilograms
Dimensions	58 x 28.5 x 19 cm

8. WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries regarding your RAYSON TD-130 binding machine, please refer to the documentation included with your purchase or contact RAYSON customer service directly. Keep your purchase receipt as proof of purchase.

You can also visit the official RAYSON store on Amazon for additional product information and support: [RAYSON Store](#)