

## Rayson TD-1221

# RAYSON TD-1221 Metal Spiral Binding Machine User Manual

Model: TD-1221 | Brand: Rayson

## 1. INTRODUCTION

Thank you for choosing the RAYSON TD-1221 Metal Spiral Binding Machine. This manual provides comprehensive instructions for the safe and efficient operation, setup, maintenance, and troubleshooting of your new binding machine. Please read this manual thoroughly before using the machine to ensure optimal performance and longevity.

## 2. SAFETY INSTRUCTIONS

Always follow basic safety precautions when using this product to reduce the risk of injury or damage.

- Read all instructions before use.
- Keep hands and loose clothing away from moving parts during operation.
- Do not operate the machine if it is damaged or malfunctioning.
- Unplug the machine from the power outlet when not in use or before cleaning.
- Keep out of reach of children. This machine is not a toy.
- Use only in a well-ventilated area.
- Do not overload the punching capacity to prevent damage to the machine.

## 3. PRODUCT OVERVIEW

### 3.1 Components

Familiarize yourself with the main components of your RAYSON TD-1221 binding machine:

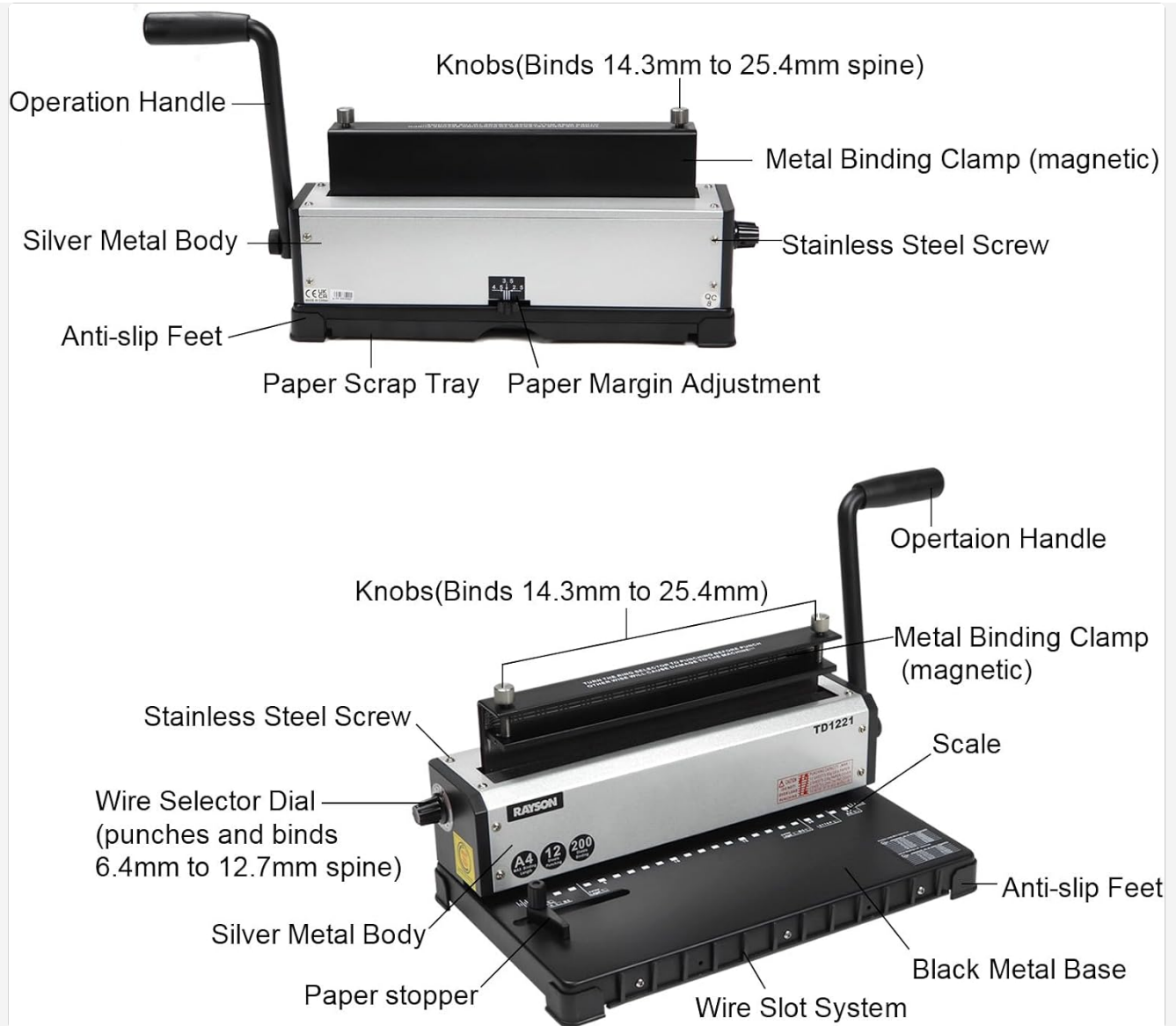


**Figure 1:** Key Components of the TD-1221 Binding Machine

- **Operation Handle:** Used for punching and binding.
- **Knobs:** Adjusts the binding clamp for different spine sizes (14.3mm to 25.4mm).
- **Metal Binding Clamp (magnetic):** Holds the binding coil in place.
- **Stainless Steel Screw:** Secures certain adjustable parts.
- **Silver Metal Body:** The main housing of the machine.
- **Anti-slip Feet:** Provides stability during operation.
- **Paper Scrap Tray:** Collects paper waste from punching.
- **Paper Margin Adjustment:** Controls the distance of the punch holes from the paper edge.
- **Wire Selector Dial:** Used for punching and binding wires of different sizes (6.4mm to 12.7mm spine).
- **Paper Stopper:** Guides paper for accurate punching.
- **Wire Slot System:** Guides the wire for binding.
- **Black Metal Base:** The sturdy foundation of the machine.
- **Scale:** Measurement guide for paper and binding sizes.

### 3.2 Features

- **Easy to Use:** The TD-1221 binding machine features a 2:1 pitch pattern and manual punching and binding

operations, offering controllable and user-friendly functionality.

- **High Efficiency:** Punches 23 holes; 210-sheet binding capacity, 12-sheet punching capacity, maximum sheet size: A4.
- **Effortless Operation and Precise Binding:** The TD-1221 metal binding machine is equipped with a long lever handle, facilitating easy punching and binding. With adjustable paper margins (2.5, 3.5, 4.5 mm) and side guides, it simplifies the binding process and enhances overall precision.
- **Robust Metal Construction for Durability:** This machine is constructed from high-quality metal, ensuring long-lasting performance. An integrated waste tray simplifies cleanup and saves time.
- **Starter Kit Included:** Comes with metal binding coils.

## 4. SETUP

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1. **Unboxing:** Carefully remove the binding machine from its packaging. Retain all packaging materials for future storage or transport.
2. **Placement:** Place the machine on a stable, flat surface. Ensure there is enough space around the machine for comfortable operation and to accommodate documents.
3. **Adjust Paper Margin:** The machine allows for adjustable paper margins (2.5mm, 3.5mm, 4.5mm) to control the distance of the punched holes from the edge of the paper. Adjust the margin selector to your desired setting.

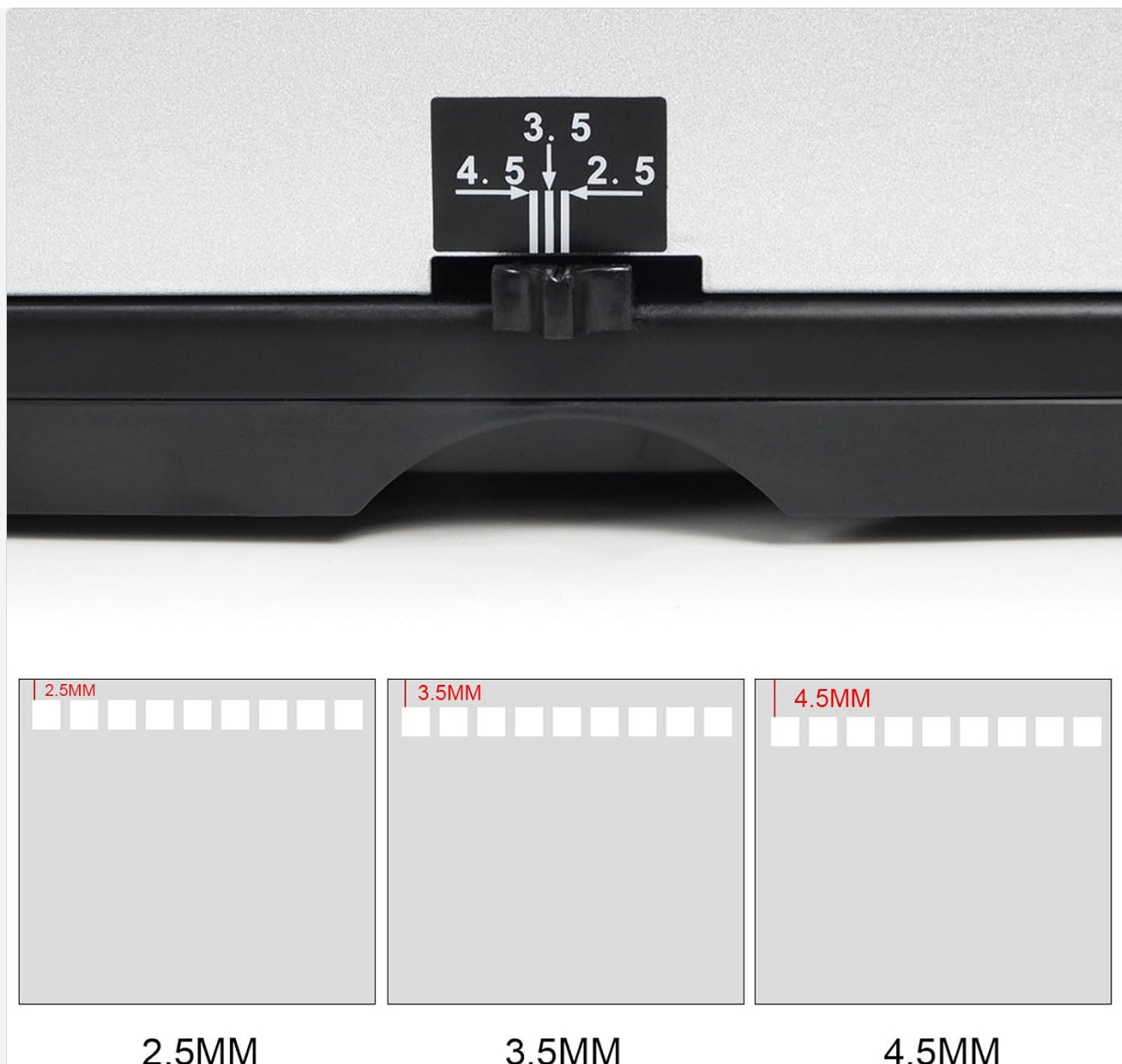
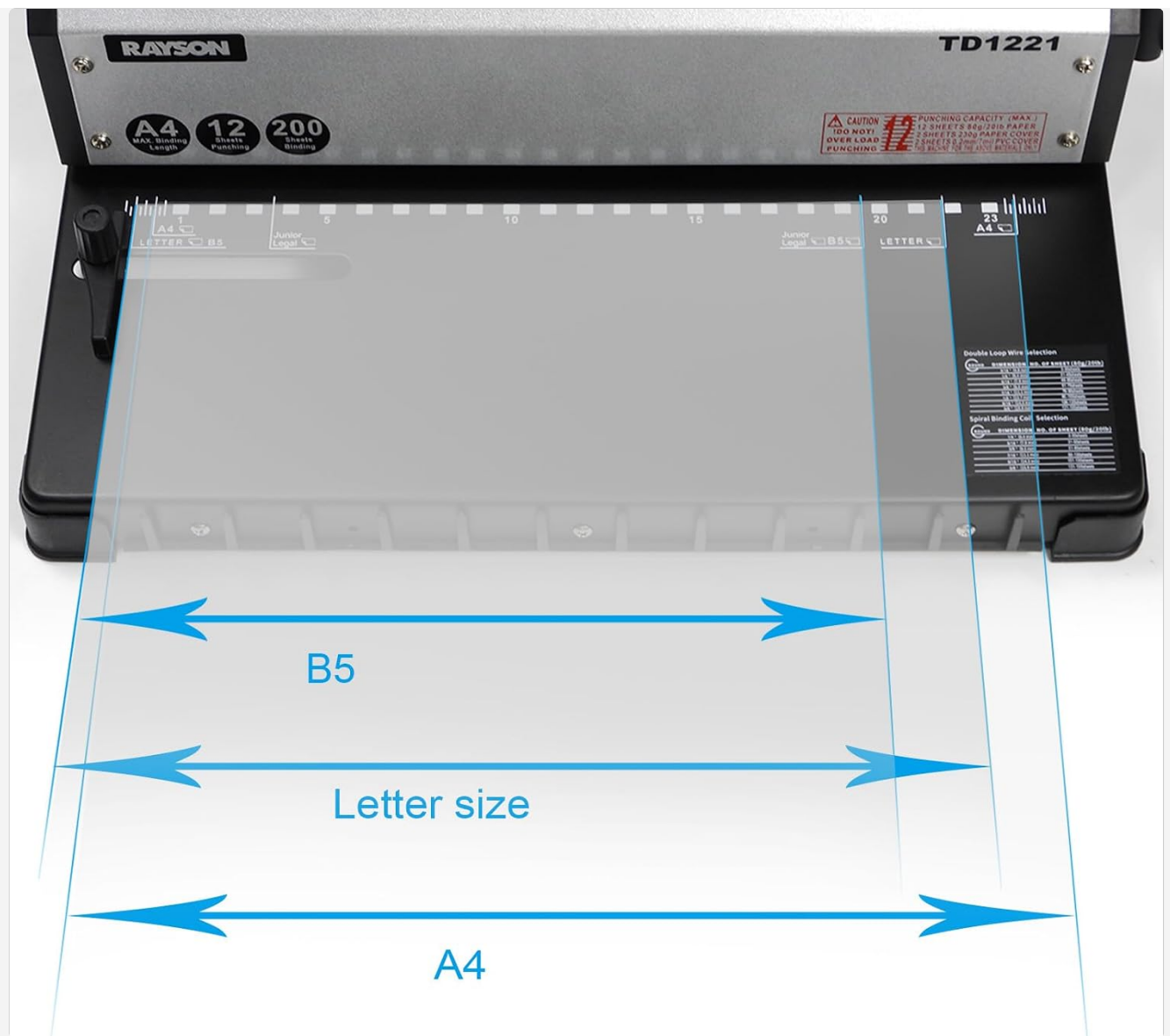


Figure 2: Adjusting Paper Margin

## 5. OPERATING INSTRUCTIONS

### 5.1 Punching Documents

1. **Prepare Documents:** Ensure your documents are neatly stacked and free from staples or paper clips. The machine supports A4, B5, and Letter sizes.



### Figure 3: Paper Size Compatibility

2. **Insert Paper:** Insert the stack of paper into the punching slot, aligning it against the paper stopper and side guide. Do not exceed the maximum punching capacity of 12 sheets (80gsm paper) per punch.
3. **Punch:** Firmly press down the operation handle to punch the holes. Release the handle and remove the punched sheets. Repeat for all pages.

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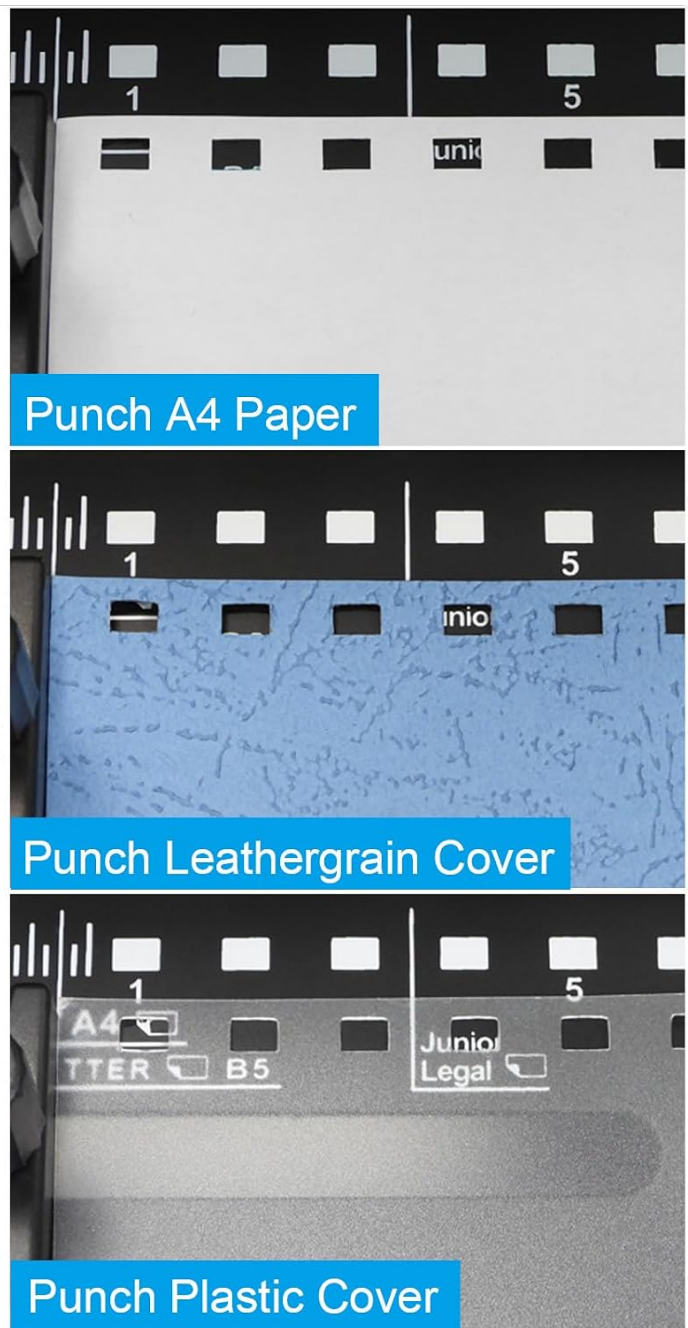


**Figure 4:** Punching Various Materials

## 5.2 Binding Documents

The TD-1221 uses a 2:1 pitch (2 loops per inch) for metal spiral binding.

# 3:1 Pitch

(3 loops per inch)



# 2:1 Pitch

(2 loops per inch)



**Figure 5:** 2:1 Pitch for Binding

1. **Select Coil:** Choose a metal binding coil appropriate for the thickness of your document (up to 210 sheets).
2. **Open Coil:** Place the metal coil onto the binding clamp. Use the operation handle to open the coil.
3. **Load Pages:** Carefully slide the punched pages onto the open coil. Ensure all pages are correctly aligned.
4. **Close Coil:** Once all pages are loaded, gently push the operation handle to close the coil, securing the document.



**Figure 6:** Example of Bound Documents

## 6. MAINTENANCE

- **Empty Waste Tray:** Regularly empty the paper scrap tray located at the bottom of the machine to prevent jams and ensure smooth operation.
- **Cleaning:** Wipe the exterior of the machine with a soft, dry cloth. Do not use abrasive cleaners or solvents.
- **Storage:** When not in use, store the machine in a clean, dry place away from direct sunlight and extreme temperatures.

## 7. TROUBLESHOOTING

| Problem                     | Possible Cause                     | Solution                                                        |
|-----------------------------|------------------------------------|-----------------------------------------------------------------|
| Paper jams during punching. | Overloading the punching capacity. | Reduce the number of sheets per punch. Do not exceed 12 sheets. |

| Problem                                      | Possible Cause                              | Solution                                                                        |
|----------------------------------------------|---------------------------------------------|---------------------------------------------------------------------------------|
| Unevenly punched holes.                      | Paper not properly aligned.                 | Ensure paper is flush against the paper stopper and side guide before punching. |
| Binding coil does not close properly.        | Incorrect coil size for document thickness. | Use a coil size appropriate for the total thickness of your bound document.     |
| Machine feels stiff or difficult to operate. | Lack of lubrication or debris.              | Ensure the waste tray is empty. If issues persist, contact customer support.    |

## 8. SPECIFICATIONS

|                    |                           |
|--------------------|---------------------------|
| Brand              | Rayson                    |
| Model Number       | TD-1221                   |
| Manufacturer       | RAYSON ELECTRICAL MFG.LTD |
| Item Weight        | 5.88 Kilograms            |
| Package Dimensions | 43.2 x 28.6 x 22.8 cm     |
| Size               | 23 Holes                  |
| ASIN               | B0BZH4N48W                |
| Country of Origin  | China                     |
| Punching Capacity  | 12 sheets (A4, 80gsm)     |
| Binding Capacity   | 210 sheets                |
| Punch Holes        | 23 holes                  |
| Adjustable Margin  | 2.5mm, 3.5mm, 4.5mm       |
| Pitch              | 2:1                       |

## 9. WARRANTY AND SUPPORT

For any questions, technical support, or warranty inquiries regarding your RAYSON TD-1221 Metal Spiral Binding Machine, please contact Rayson customer service. Refer to your purchase documentation for specific warranty terms and contact information.

You can also visit the official Rayson store for more information and products:[Rayson Store on Amazon](#)

## ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

### Name

Anonymous

### Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

### Question

Example: How do I reset this device or fix this error?

### Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question