

Holzmann PJ 100 A

Holzmann PJ 100 A Lamello Jointer Instruction Manual

Model: PJ 100 A

1. INTRODUCTION

This manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your Holzmann PJ 100 A Lamello Jointer. Please read these instructions carefully before using the tool to ensure proper function and to prevent injury or damage.

The Holzmann PJ 100 A is a powerful and precise tool designed for creating strong, invisible joints in wood using lamella biscuits. Its robust aluminum chassis and adjustable features make it suitable for various woodworking applications.

2. SAFETY INSTRUCTIONS

Always follow basic safety precautions when using electric power tools to reduce the risk of fire, electric shock, and personal injury.

- **Read all instructions:** Familiarize yourself with the tool's operation and safety guidelines.
- **Wear appropriate personal protective equipment (PPE):** Always wear safety glasses, hearing protection, and a dust mask.
- **Secure the workpiece:** Ensure the material being worked on is firmly clamped or secured to prevent movement during operation.
- **Keep work area clean and well-lit:** Cluttered or dark areas invite accidents.
- **Avoid unintentional starting:** Ensure the switch is in the off position before plugging in the tool.
- **Do not overreach:** Maintain proper footing and balance at all times.
- **Disconnect power:** Always unplug the tool before making adjustments, changing accessories, or performing maintenance.
- **Use the correct tool:** Do not force a small tool or attachment to do the job of a heavy-duty tool.
- **Maintain tools with care:** Keep cutting tools sharp and clean for better and safer performance.

- **Check for damaged parts:** Before use, check for misalignment or binding of moving parts, breakage of parts, and any other condition that may affect the tool's operation.

3. PRODUCT COMPONENTS

Understanding the different parts of your Holzmann PJ 100 A Lamello Jointer is crucial for safe and efficient operation.



Figure 1: The Holzmann PJ 100 A Lamello Jointer, shown with its protective carrying case, ready for transport and storage.



Figure 2: A side view of the Holzmann PJ 100 A Lamello Jointer, highlighting its ergonomic handle and dust collection bag.



Figure 3: Detail of the angle adjustment mechanism, allowing precise setting of cutting angles from 0° to 90°.



Figure 4: Detail of the turret stop for depth adjustment, enabling quick selection for lamella sizes 0, 10, and 20.

Key Components:

- **Main Handle:** For gripping and controlling the tool.
- **Motor Housing:** Contains the 900W motor.
- **Base Plate:** Provides stability and guides the tool along the workpiece.
- **Angle Adjustment Mechanism:** Allows setting cutting angles from 0° to 90°.
- **Depth Adjustment Turret:** For quick selection of cutting depths corresponding to lamella sizes 0, 10, and 20.
- **Cutter Blade:** 100mm diameter, high-speed steel blade for precise cuts.
- **Dust Collection Bag:** Attaches to the dust port to collect wood chips and dust.
- **Power Cord:** Connects the tool to an electrical outlet.

4. SETUP

Before operating the Lamello Jointer, ensure it is properly set up for your specific task.

1. **Unpacking:** Carefully remove the jointer and all accessories from the carrying case. Inspect for any shipping damage.
2. **Blade Installation/Check:** Ensure the 100mm cutter blade is securely installed. If not, refer to the blade replacement section (not explicitly detailed here, but implied for safety). Always disconnect power before handling the blade.
3. **Dust Collection:** Attach the dust collection bag to the dust port. This helps maintain a clean work environment

and improves visibility.

4. **Power Connection:** Connect the power cord to a suitable 230V or 240V power outlet. Ensure the power switch is in the 'OFF' position before plugging in.

5. OPERATION

Follow these steps for safe and effective use of your Holzmann PJ 100 A Lamello Jointer.

5.1 Setting Cutting Depth

The jointer features a turret stop for quick depth adjustment, corresponding to standard lamella biscuit sizes.

1. Identify the desired lamella biscuit size (0, 10, or 20).
2. Rotate the depth adjustment turret (refer to Figure 4) until the indicator aligns with the number corresponding to your chosen lamella size.
3. For custom depths, the turret can be bypassed, allowing for continuous adjustment up to 20mm.

5.2 Setting Cutting Angle

The angle adjustment mechanism allows for precise cuts at various angles.

1. Loosen the angle locking knob (refer to Figure 3).
2. Adjust the base plate to the desired angle, indicated on the scale (0° to 90°).
3. Tighten the angle locking knob securely to fix the angle.

5.3 Making a Cut

1. **Prepare Workpiece:** Mark the exact locations for the lamella joints on your workpiece.
2. **Position Tool:** Place the base plate of the jointer firmly against the workpiece, aligning the center mark on the tool with your marked joint line.
3. **Start Tool:** Press the power switch to start the motor. Allow the motor to reach full speed before engaging the workpiece.
4. **Plunge Cut:** With a steady, controlled motion, push the jointer forward into the workpiece until the set depth is reached.
5. **Retract and Stop:** Pull the jointer back out of the workpiece and release the power switch to stop the motor. Wait for the blade to come to a complete stop before setting the tool down.
6. **Repeat:** Make all necessary cuts for your project.

6. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your Holzmann PJ 100 A Lamello Jointer.

- **Cleaning:** After each use, disconnect the power and clean the tool. Remove sawdust and debris from the motor vents, base plate, and blade area using a brush or compressed air. Empty the dust collection bag regularly.
- **Blade Care:** Inspect the cutter blade for sharpness and damage. A dull or damaged blade can lead to poor cuts and increased motor strain. Replace worn blades promptly.
- **Lubrication:** Periodically apply a small amount of light machine oil to moving parts and pivot points to ensure smooth operation.
- **Cord Inspection:** Regularly check the power cord for any signs of damage, cuts, or fraying. Replace damaged

cords immediately.

- **Storage:** Store the jointer in its original carrying case in a dry, secure location, away from moisture and extreme temperatures.

7. TROUBLESHOOTING

This section addresses common issues you might encounter with your Lamello Jointer.

- **Tool does not start:**
 - Check if the power cord is securely plugged into a working outlet.
 - Verify that the power switch is in the 'ON' position.
 - Check the circuit breaker or fuse.
- **Poor cut quality / rough edges:**
 - The cutter blade may be dull or damaged. Replace the blade.
 - The workpiece may not be securely clamped.
 - The feed rate might be too fast. Reduce the speed at which you plunge the tool.
- **Excessive vibration or noise:**
 - Check if the cutter blade is properly installed and tightened.
 - Inspect the blade for damage or imbalance.
 - Ensure all external fasteners are tight.
- **Dust collection ineffective:**
 - Empty the dust collection bag.
 - Check for blockages in the dust port or bag.

If you encounter issues not listed here or if troubleshooting steps do not resolve the problem, please contact authorized service personnel.

8. SPECIFICATIONS

Feature	Specification
Model Number	HM-PJ100
Power	900 W
Rotation Speed	11,000 rpm
Cutter Diameter	100 mm
Max Cutting Depth	20 mm
Table Height Adjustment	0 to 35 mm
Angle Inclination	0° to 90°

Feature	Specification
Supported Lamella Sizes	0, 10, 20
Voltage	230V, 240V
Item Weight	9 kg (19.84 lbs)
Blade Material	High-speed steel
Number of Teeth	72
Special Feature	Depth adjustment

9. WARRANTY AND SUPPORT

For information regarding warranty coverage, service, or technical support for your Holzmann PJ 100 A Lamello Joints, please refer to the warranty card included with your purchase or visit the official Holzmann website. Keep your proof of purchase for any warranty claims.

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

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

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