

Scheppach HMS850

Scheppach HMS850 Planer & Thicknesser

Instruction Manual

Model: HMS850

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your Scheppach HMS850 Planer & Thicknesser. Please read this manual thoroughly before operating the machine and keep it for future reference. The Scheppach HMS850 is a compact and powerful woodworking machine designed for both planing (surface jointing) and thicknessing operations, ideal for small workshops and DIY enthusiasts.



2. SAFETY INSTRUCTIONS

Always prioritize safety when operating power tools. Failure to follow safety instructions can result in serious injury or damage to the machine.

- Read and understand all instructions before use.
- Wear appropriate personal protective equipment (PPE), including safety glasses, hearing protection, and dust mask.
- Ensure the workpiece is properly secured before beginning any operation.
- Keep hands and fingers away from moving parts and cutting blades.
- Disconnect the machine from the power supply before making adjustments, changing blades, or performing maintenance.
- Ensure adequate ventilation and dust extraction when operating the machine.
- Do not operate the machine in damp or wet conditions.
- Keep the work area clean and well-lit.

3. WHAT'S IN THE BOX

Upon unpacking, ensure all components are present and undamaged:

- Scheppach HMS850 Planer & Thicknesser Unit
- 2 x High-Speed Steel Planer Blades (pre-installed or included separately)
- Jointer Fence
- Dust Extraction Hood
- Instruction Manual

4. SETUP

Before first use, assemble the necessary components and prepare your workspace.

4.1 Workspace Preparation

- Place the machine on a stable, level workbench. The four stable feet ensure machine stability.
- Ensure sufficient space around the machine for safe operation and handling of long workpieces.
- Connect a suitable dust extraction system to the dust port for efficient chip removal.

4.2 Jointer Fence Assembly

Attach the jointer fence to the planing table. The fence is crucial for accurate planing operations.



Figure 2: Machine set up for planing with jointer fence

5. OPERATING INSTRUCTIONS

The Scheppach HMS850 offers two primary functions: planing (surface jointing) and thicknessing. The machine is equipped with precision adjusters for accurate settings.

5.1 Planing (Surface Jointing)

Planing is used to flatten one face of a workpiece and square an edge to that face.

- Ensure the machine is configured for planing mode. This involves positioning the dust extraction hood and securing the jointer fence.
- Adjust the infeed table height using the precision adjusters to set the desired chip removal depth. The maximum chip removal for planing is 2 mm.
- Adjust the jointer fence angle. The fence can swivel from 0-45 degrees, allowing for planing angles between 90 and 130 degrees relative to the table. The jointer fence dimensions are 520 x 102 mm.
- With the machine running, feed the workpiece smoothly across the planing table, keeping it firmly against the fence and table.

ABBRICHTFUNKTION

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Figure 3: Planing function in action

Der Abbrichttisch ist bis zu 45° schwenkbar. Dadurch kann man Holzstücke von 90 – 130° Abbrichten.

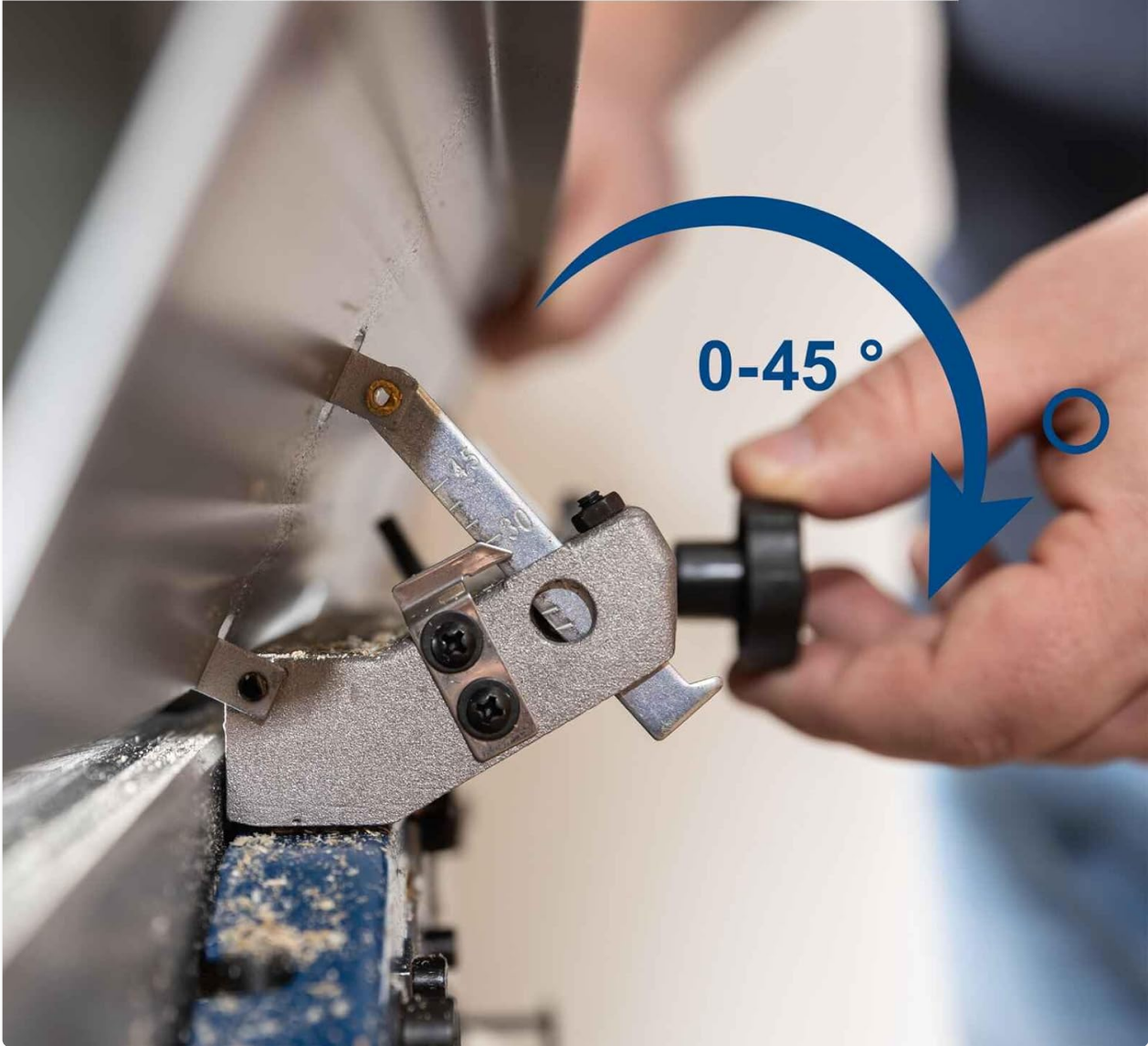


Figure 4: Adjusting the planing table swivel angle (0-45 degrees)
The planing table size is 737 x 210 mm.

5.2 Thicknessing

Thicknessing is used to bring a workpiece to a uniform thickness, parallel to a previously planed face.

- Convert the machine to thicknessing mode by adjusting the dust extraction hood and raising the planing tables.
- Adjust the thicknessing table height using the crank to set the desired final thickness. The maximum passage height is 120 mm, and the maximum planing width is 204 mm. The thicknessing table size is 350 x 204 mm.
- The maximum chip removal for thicknessing is 2 mm.
- Feed the workpiece into the thicknesser. The anti-kickback claws will help prevent the wood from being ejected.

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Figure 5: Thicknessing function in action



Figure 6: Side view of the machine in thickening configuration

5.3 General Operation Tips

- The machine is powered by a 1250W motor.
- The planer blades operate at a speed of 8000 min⁻¹.
- Always ensure the dust extraction system is active during operation to maintain a clean work environment and prevent chip buildup.
- For best results, take multiple shallow passes rather than one deep pass.

5.4 Official Product Video

Watch the official product video for a visual guide on the machine's features and operation.

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Video 1: Scheppach HMS850 Planer & Thicknesser Overview. This video demonstrates the key features and operation of the HMS850, including its planing and thickening capabilities, adjustments, and safety features.

6. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your machine.

- **Cleaning:** Regularly clean the machine, especially the tables and blade area, from sawdust and chips. Use a brush or compressed air.
- **Blade Inspection:** Inspect the planer blades for sharpness and damage before each use. Dull or damaged blades should be replaced immediately.
- **Lubrication:** Lubricate moving parts as indicated in the detailed service manual (if applicable) to ensure smooth operation.

- **Storage:** Store the machine in a dry, clean environment when not in use.

7. TROUBLESHOOTING

This section addresses common issues you might encounter.

Problem	Possible Cause	Solution
Poor surface finish (e.g., tear-out, uneven cuts)	Dull or damaged blades; incorrect feed rate; excessive chip removal per pass; wood grain issues.	Replace blades; adjust feed rate; reduce chip removal depth; adjust feed direction relative to grain.
Machine not starting	No power supply; emergency stop engaged; thermal overload.	Check power connection; disengage emergency stop; allow machine to cool down.
Excessive vibration or noise	Loose components; unbalanced blades; worn bearings.	Check and tighten all fasteners; inspect and replace blades if damaged; contact qualified service personnel.
Chips not clearing effectively	Dust extraction system not connected or insufficient; clogged dust port.	Connect or upgrade dust extraction; clear dust port and hose.

8. SPECIFICATIONS

Feature	Specification
Brand	Scheppach
Model	HMS850
Power	1250 Watts
Voltage	240 Volts
Planing Width	204 mm
Passage Height (Thicknessing)	120 mm
Max. Chip Removal (Planing)	2 mm
Max. Chip Removal (Thicknessing)	2 mm
Blade Speed	8000 min ⁻¹
Planing Table Size	737 x 210 mm
Thicknessing Table Size	350 x 204 mm
Jointer Fence Dimensions	520 x 102 mm
Jointer Fence Swivel Range	0-45 degrees
Material	Alloy Steel

Feature	Specification
Item Weight	23 Kilograms
Product Dimensions	74L x 36W x 49.5H cm

9. WARRANTY AND SUPPORT

For warranty information, technical support, or spare parts, please refer to the contact details provided with your purchase documentation or visit the official Scheppach website. Keep your proof of purchase for warranty claims.

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Related Documents - HMS850

	<p>scheppach HMS850 Planer/Thicknesser Operating Manual</p> <p>Comprehensive operating instructions for the scheppach HMS850 Planer/Thicknesser, detailing technical specifications, safety guidelines, operation, and maintenance for woodworking.</p>
	<p>scheppach HMS850 Abricht- und Dickenhobelmaschine Bedienungsanleitung</p> <p>Umfassende Bedienungsanleitung für die scheppach HMS850 Abricht- und Dickenhobelmaschine. Enthält Anleitungen zur sicheren Bedienung, Montage, Wartung und technische Daten für präzise Holzbearbeitung.</p>
	<p>Scheppach PLM1800 Dickenhobel Bedienungsanleitung</p> <p>Umfassende Bedienungsanleitung für die Scheppach PLM1800 Dickenhobelmaschine, inklusive Sicherheitshinweisen, Montageanleitung und Betriebsinformationen für präzise Holzbearbeitung.</p>

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	<p>Scheppach PLM1800 Dickenhobel: Bedienungsanleitung und Sicherheitshinweise</p> <p>Umfassende Bedienungsanleitung für die Scheppach PLM1800 Dickenhobelmaschine. Enthält Anleitungen zur sicheren Bedienung, Wartung, Montage und technischen Daten für Heimwerker und Holzarbeiter.</p>
	<p>Scheppach PLM1800 Dickenhobel Bedienungsanleitung Holzbearbeitungswerkzeug</p> <p>Umfassende Bedienungsanleitung für die Scheppach PLM1800 Dickenhobelmaschine. Erfahren Sie alles über Installation, Betrieb, Wartung und Sicherheit für präzise Holzbearbeitung.</p>