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Model: 3923 | Brand: WEN

INTRODUCTION

This manual provides instructions for the safe operation, setup, maintenance, and troubleshooting of your WEN 16-Inch Variable Speed Scroll Saw, Model 3923. This scroll saw is designed for intricate and artful cuts in various wood types.



Image: Front view of the WEN 16-Inch Variable Speed Scroll Saw, highlighting its work light and orange base.

SAFETY INFORMATION

Always read and understand all safety warnings and instructions before operating this tool. Failure to follow these instructions may result in electric shock, fire, and/or serious injury. Keep this manual for future reference.

- Wear appropriate personal protective equipment, including eye protection, hearing protection, and a dust mask.
- Ensure the work area is clean, well-lit, and free from obstructions.
- Keep hands and fingers away from the blade during operation.
- Secure the workpiece with the hold-down foot clamp to prevent movement.
- Disconnect the power supply before making any adjustments, changing blades, or performing maintenance.

SETUP

Unpacking and Assembly

Carefully remove all components from the packaging. Inspect the scroll saw for any damage that may have occurred during shipping. Ensure all parts listed in the packing list are present.

Blade Installation

The WEN 3923 scroll saw accommodates pinned, pinless, and spiral blades. The unique side panel provides easy access to the bottom blade holder for convenient blade changes.

1. Ensure the scroll saw is unplugged from the power source.
2. Open the side panel to access the lower blade holder.
3. Loosen the thumb screw blade adapter for tool-free blade changes.
4. Insert the blade into the lower holder, ensuring it is properly seated.
5. Secure the blade in the upper holder, maintaining appropriate tension.
6. Tighten the thumb screw adapter.



Image: Close-up view of the scroll saw's blade and hold-down foot, illustrating the blade installation area.



Image: Overhead view of the scroll saw's blade area, showing the blade inserted through the table insert.

OPERATING INSTRUCTIONS

Powering On and Speed Adjustment

Connect the scroll saw to a suitable power outlet. Use the ON/OFF switch to power the unit. The variable speed knob allows adjustment from 550 to 1600 strokes per minute, enabling precise control for different materials and cutting requirements.

Work Light and Air Pump

The integrated flexible work light illuminates your cutting area, improving visibility. The adjustable air pump directs a stream of air to clear sawdust from your line of sight, ensuring a clear view of your cut line.



Image: Angled view of the WEN scroll saw, highlighting the flexible work light and the control panel with speed adjustment.

Angled Cuts

The spacious 16.25-by-10-inch table can bevel up to 45 degrees, allowing for angled cuts. Adjust the table angle as needed for your project specifications.



Image: Side view of the WEN scroll saw, demonstrating the table's ability to tilt for angled cuts.

Securing Workpiece

Utilize the hold-down foot clamp to firmly secure your workpiece against the table, preventing movement and ensuring accurate cuts.

Product Overview Video

Your browser does not support the video tag.

Video: A detailed product overview demonstrating the features and operation of the WEN 16-Inch Variable Speed Scroll Saw.

MAINTENANCE

Dust Management

The 1-1/2-inch dust port allows for connection to a dust collection system, helping to keep your work area clean and free

of sawdust. Regularly empty your dust collection system and ensure the dust port is clear of obstructions.

General Cleaning

Periodically clean the scroll saw with a dry cloth. Ensure all moving parts are free from sawdust and debris. Do not use solvents or harsh chemicals that could damage the tool's finish or components.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Saw does not turn on	No power supply; ON/OFF switch not engaged; internal fault.	Check power connection and circuit breaker. Ensure switch is fully engaged. If problem persists, contact customer support.
Blade breaks frequently	Incorrect blade tension; wrong blade type for material; excessive force during cutting.	Adjust blade tension. Use appropriate blade for the material. Apply steady, light pressure when cutting.
Excessive vibration	Saw not securely mounted; loose components; unbalanced blade.	Ensure the saw is securely mounted to a stable workbench. Check for and tighten any loose fasteners. Replace damaged or bent blades.
Sawdust not clearing	Air pump nozzle blocked; dust port clogged.	Clear any obstructions from the air pump nozzle. Ensure the dust port and connected dust collection system are clear.

SPECIFICATIONS

Feature	Detail
Model Number	3923
Brand	WEN
Blade Length	16 inches
Throat Depth	16 inches
Stroke Length	9/16 inch
Variable Speed	550 to 1600 strokes per minute
Table Bevel	Up to 45 degrees
Max Cutting Thickness	2 inches (hardwood)
Dust Port Size	1-1/2 inches
Power Source	Corded Electric
Item Dimensions (L x W x H)	26.38"L x 5"W x 14.75"H
Item Weight	11.5 kg
Included Blades	One 15 TPI pinned blade, one 18 TPI pinned blade, one 18 TPI pinless blade

WARRANTY AND SUPPORT

Warranty Information

The WEN 16-Inch Variable Speed Scroll Saw (Model 3923) comes with a two-year full warranty. Please refer to the official WEN warranty documentation for complete terms and conditions.

Customer Support

For technical assistance, replacement parts, or any questions regarding your scroll saw, please contact the WEN customer help line. Contact information can typically be found on the WEN official website or in the product packaging.

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