

## WORK SHARP WS3000

# Work Sharp Benchtop Woodworking Tool Sharpener WS3000 User Manual

Brand: WORK SHARP | Model: WS3000

## 1. INTRODUCTION

The Work Sharp Benchtop Woodworking Tool Sharpener (Model WS3000) is designed to provide razor-sharp edges for a variety of woodworking tools. It utilizes a dry sharpening system with a unique heat sink design to prevent overheating and maintain the temper of your tools. This manual provides comprehensive instructions for setting up, operating, maintaining, and troubleshooting your sharpener, ensuring optimal performance and longevity. This sharpener is ideal for sharpening chisels, lathe tools, plane irons, spoke shaves, and carving tools. It features precise and repeatable bevel angle settings, making it easy to achieve consistent, professional results.

## 2. SETUP

### 2.1 Unpacking and Component Identification

Carefully unpack all components from the box. Ensure all listed items are present:

- Work Sharp Benchtop Woodworking Tool Sharpener (Main Unit)
- (2) Glass Wheels
- (1) Slotted Edge-Vision Wheel
- Abrasive Discs: (2) P120, (4) P400, (4) P1000, (1) 3600, (1) P80 slotted, (2) P400 slotted, (2) P1200 slotted
- (1) Tool Rest
- (1) Crepe Stick (Abrasive Cleaner)
- Instructional DVD
- User Guide (this manual)

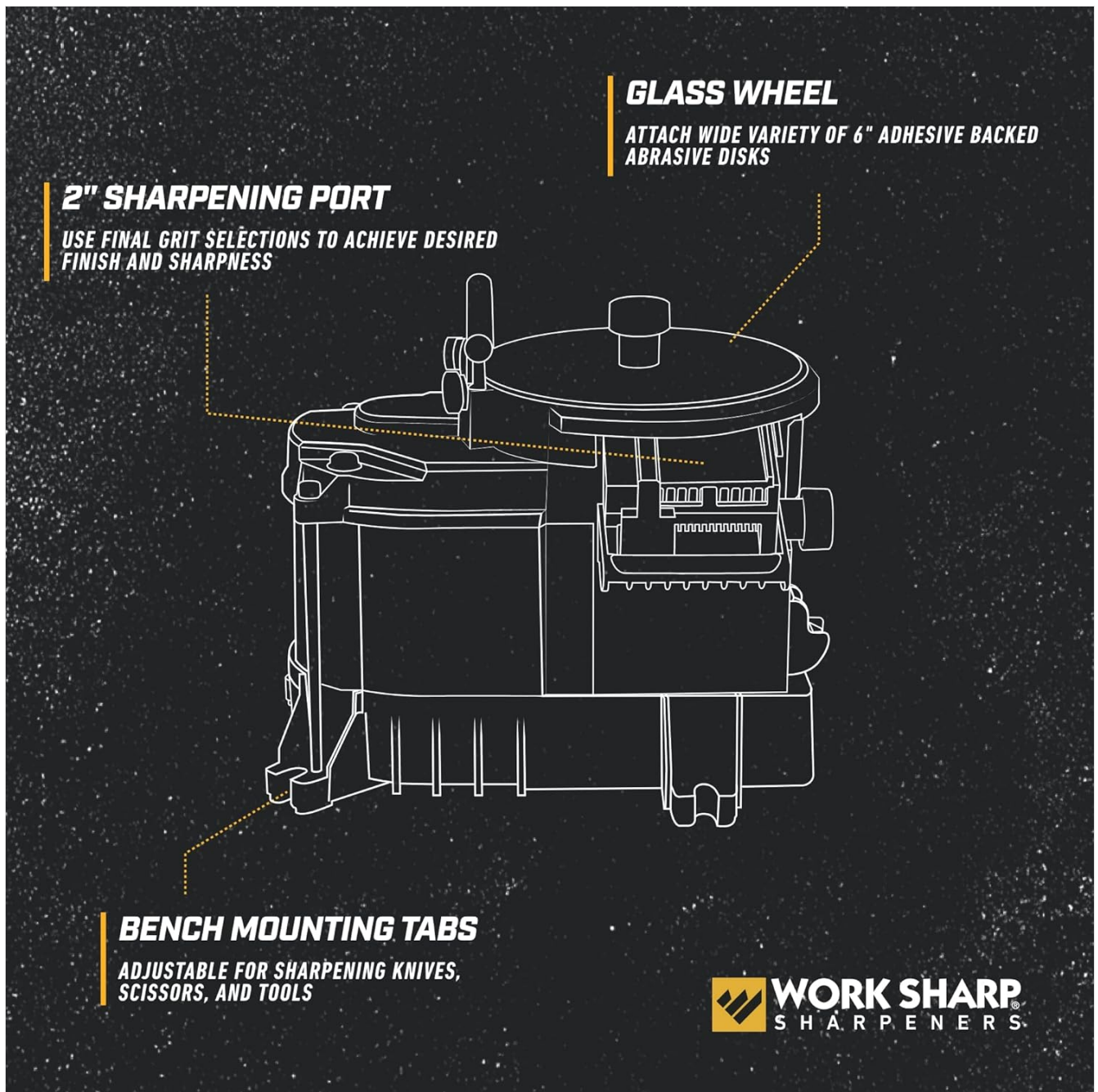


Figure 2.1: Overview of the Work Sharp WS3000 and its included components.

## 2.2 Initial Placement

Place the sharpener on a stable, flat workbench or surface. Ensure adequate space around the unit for safe operation and tool manipulation. The unit is designed for benchtop use and features bench mounting tabs for secure placement if desired.



Figure 2.2: The Work Sharp WS3000 positioned on a workbench, ready for use.

### 2.3 Attaching Abrasive Discs to Glass Wheels

The sharpener uses 6-inch adhesive-backed abrasive discs. To attach a disc:

1. Ensure the glass wheel is clean and free of debris.
2. Peel the backing from the abrasive disc.
3. Carefully align the disc with the glass wheel, ensuring the center hole matches, and press firmly to secure.



Figure 2.3: Attaching an abrasive disc to the tempered glass wheel.

### 3. OPERATING INSTRUCTIONS

The Work Sharp WS3000 is designed for precise and repeatable sharpening. Always wear safety glasses when operating the sharpener.

#### 3.1 Sharpening Flat Blades (Chisels, Plane Irons)

The sharpening port allows for precise bevel angle settings of 20°, 25°, 30°, and 35° for chisels and plane irons up to 2 inches wide. A 5° micro-bevel can be achieved for fast re-honing.

1. **Flattening the Back:** Before sharpening the bevel, ensure the back of the tool is perfectly flat. Place the tool heel-first onto the top of the abrasive disc and slide it flat across the surface. This ensures a true flat back, crucial for sharp edges.
2. **Setting the Bevel Angle:** Select the desired angle (20°, 25°, 30°, or 35°) on the sharpening port. The port's fence helps keep the tool square during sharpening.
3. **Sharpening the Bevel:** Insert the tool into the sharpening port, bevel side down. Apply light, even pressure and move the tool across the abrasive disc. Work through progressively finer grits (e.g., P120 for rough shaping, P400 for fine shaping, P1000 for sharpening, 3600 for honing) until the desired sharpness is achieved.
4. **Removing the Burr:** The lapping abrasive on the sharpening port automatically removes any burr created on the backside of the tool when you pull it back across.



## ***EASY TO USE REPEATABLE***

Sharpening port has precise and repeatable bevel angle settings of 20°, 25°, 30°, and 35°. No jigs required.

## ***INCREDIBLY SHARP TOOLS***

Includes (2) glass wheels, (1) slotted Edge-Vision wheel, (16) different abrasive discs, (1) tool rest, (1) crepe stick.

## ***POWERFUL MOTOR***

1/5 HP motor with 580 rpm speed has routed air flow and a heat sink cooling system to sharpen blades fast without blade damaging heat.



**WORK SHARP**  
SHARPENERS

Figure 3.1: Sharpening a chisel using the integrated sharpening port.



Figure 3.2: Sharpening a plane iron on the top surface of the abrasive disc.

### 3.2 Sharpening Shaped Tools (Carving Tools, Lathe Tools)

The innovative slotted Edge-Vision wheel allows you to see the edge of the tool you are sharpening, not just the back. This is particularly useful for shaped tools like carving and lathe tools.

1. Replace the standard glass wheel with the slotted Edge-Vision wheel.
2. Bring the carving or lathe tool up underneath the wheel, bevel side up.
3. As the wheel spins, you will be able to clearly see the cutting edge being sharpened through the slots. This allows for precise control over the sharpening process for complex shapes.





Figure 3.3: Sharpening a carving tool using the slotted Edge-Vision wheel.

### 3.3 Official Product Demonstration

Watch the official demonstration video for a visual guide on operating the Work Sharp WS3000.

Your browser does not support the video tag.

Video 3.1: Work Sharp WS3000 Sharpener Demo. This video provides a comprehensive overview of the sharpener's features and operation, including sharpening various tools and changing abrasive discs.

## 4. MAINTENANCE

### 4.1 Changing Abrasive Discs

Abrasive discs are designed for easy replacement. When a disc wears out or you need to change grit:

1. Ensure the unit is unplugged and the wheel has stopped spinning.

- 2. Carefully peel off the old abrasive disc from the glass wheel.
- 3. Clean any residue from the glass wheel surface.
- 4. Peel the backing from the new disc and apply it firmly, ensuring proper alignment.

4.2 Cleaning the Abrasive Discs

Use the included crepe stick (abrasive cleaner) to remove accumulated debris from the abrasive discs. This helps maintain their effectiveness and prolongs their lifespan.

5. TROUBLESHOOTING

5.1 Wheel Wobble or Noise

If the sharpening wheel appears to wobble or produces excessive noise during operation, ensure the glass wheel is securely fastened to the motor head. Verify that the retaining screw is tightened properly. An unbalanced or improperly seated wheel can lead to vibration and affect sharpening precision. If the issue persists after ensuring proper installation, contact customer support.

*Note: Some users have reported issues with wheel wobble or noise. While the manufacturer aims for balanced operation, ensure all components are correctly assembled and tightened.*

6. SPECIFICATIONS

Feature	Detail
Model Number	WS3000
Material	Wood, Steel
Color	Multicolor
Product Dimensions	11.2"L x 10.8"W x 12.8"H
Item Weight	14.96 pounds (6.8 Kilograms)
Grit Type	Coarse, Fine (various abrasive discs included)
Power Source	Corded Electric
Voltage	110 Volts
Motor Speed	580 RPM (low-rpm wheel maintains speed regardless of load)
Sharpening Angles	20°, 25°, 30°, 35° (for chisels/plane irons up to 2" wide)

7. WARRANTY AND SUPPORT

7.1 Warranty Information



The Work Sharp WS3000 comes with a 2-year warranty. This warranty excludes abrasives and is valid for consumer use, not industrial use.

7.2 Additional Resources

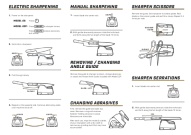

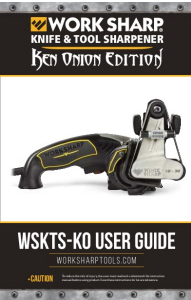
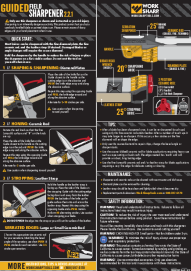
For further assistance or detailed information, you may refer to the official User Manual PDF available online:

[Download User Manual \(PDF\)](#)

For direct support, please visit the official WORK SHARP Store or contact their customer service.

[Visit WORK SHARP Store](#)

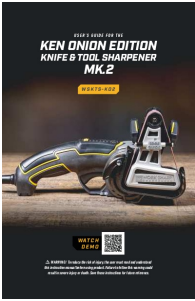
Related Documents - WS3000

	<p><a href="#">Work Sharp E2 Electric &amp; Manual Knife Sharpener Instructions</a></p> <p>Comprehensive guide to using the Work Sharp E2 electric and manual knife sharpeners, including instructions for sharpening knives, scissors, and serrated blades, plus maintenance tips.</p>
	<p><a href="#">Work Sharp Ken Onion Edition Blade Grinding Attachment User Manual</a></p> <p>Comprehensive guide for the Work Sharp Ken Onion Edition Blade Grinding Attachment, covering installation, setup, sharpening techniques, belt information, troubleshooting, and accessories. Learn to achieve optimal sharpness for your knives.</p>
	<p><a href="#">Work Sharp WSKTS-KO Ken Onion Edition Knife &amp; Tool Sharpener User Guide</a></p> <p>Comprehensive user guide for the Work Sharp WSKTS-KO Ken Onion Edition Knife &amp; Tool Sharpener. Learn setup, operation, sharpening techniques for various blades (kitchen, outdoor, serrated, filet, gut hooks, scissors), grinding, polishing, deburring, and troubleshooting.</p>
	<p><a href="#">Work Sharp Guided Field Sharpener 2.2.1: Instructions and Safety Guide</a></p> <p>Comprehensive guide to using the Work Sharp Guided Field Sharpener 2.2.1 for sharpening knives and tools. Includes step-by-step instructions, maintenance tips, and safety information.</p>



[Work Sharp Ken Onion Edition Sharpening Center Instructions User's Guide](#)

Comprehensive user guide for the Work Sharp Ken Onion Edition Sharpening Center, detailing setup, sharpening techniques, belt information, troubleshooting, and FAQs for optimal knife and tool sharpening.



[Work Sharp Ken Onion Edition MK.2 Knife & Tool Sharpener User Guide \(WSKTS-KO2\)](#)

Official user guide for the Work Sharp Ken Onion Edition MK.2 (WSKTS-KO2) knife and tool sharpener. Learn about safety, sharpening techniques for various blades, belt information, and maintenance.