

Einhell TC-US 380 (new model 2021)

Einhell Workbench Disc and Belt Sander TC-US 380

Model: TC-US 380 (new model 2021) | Part No.: 4419257

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your Einhell Workbench Disc and Belt Sander TC-US 380. Please read this manual thoroughly before operating the machine to ensure proper use and to prevent injury or damage.

The Einhell Workbench Disc and Belt Sander TC-US 380 is a versatile combined belt sander and sanding disc machine designed for a wide variety of sanding tasks. It features a powerful 380 Watt motor, a swivelling sanding belt device with a workpiece stop, and a disc sander with a 150 mm diameter equipped with Velcro attachment for quick disc changes. The tilting aluminum table and adjustable cross stop enhance its adaptability for various applications.

2. SAFETY INSTRUCTIONS

WARNING: Read all safety warnings, instructions, illustrations, and specifications provided with this power tool. Failure to follow all instructions listed below may result in electric shock, fire, and/or serious injury.

- Always wear appropriate personal protective equipment (PPE), including safety glasses, hearing protection, and a dust mask, when operating the sander.
- Ensure the workpiece is securely clamped or supported before sanding.
- Keep hands and fingers away from the sanding belt and disc during operation.
- Disconnect the power supply before performing any adjustments, maintenance, or changing accessories.
- Do not operate the sander in damp or wet conditions.
- Ensure adequate ventilation in the work area, especially when sanding materials that produce fine dust. Connect a dust extraction system to the provided connection.
- Do not force the tool. Use the correct tool for your application.
- Keep children and bystanders away while operating a power tool.
- Regularly inspect the power cord for damage. Do not use if damaged.

3. PACKAGE CONTENTS

Verify that all items are present and undamaged upon unpacking. If any parts are missing or damaged, contact your retailer or Einhell customer service.

- Einhell Workbench Disc and Belt Sander TC-US 380 unit
- 1 x Sanding Belt (K80 grit)
- 1 x Sanding Disc (K80 grit)
- Workpiece stop
- Cross stop
- Operating Manual

4. COMPONENTS IDENTIFICATION



Figure 4.1: Front view of the Einhell TC-US 380 Disc and Belt Sander, showing the disc sander on the left with its tilting table and angle scale, and the belt sander extending to the right. The power switch is visible on the lower left.

1. Disc Sander
2. Tilting Aluminum Table (for disc sander)
3. Angle Scale
4. Cross Stop
5. Belt Sander
6. Workpiece Stop (for belt sander)
7. Power Switch (On/Off)
8. Dust Extraction Connection
9. Sanding Belt Centering Adjustment
10. Rubber Feet

5. SETUP

5.1 Unpacking and Placement

- Carefully remove all components from the packaging.
- Place the sander on a stable, level workbench. The robust rubber feet will help absorb vibrations and ensure a secure position.
- Ensure there is sufficient space around the machine for safe operation and workpiece handling.

5.2 Attaching the Sanding Disc

- Ensure the machine is unplugged from the power source.
- The disc sander is equipped with a Velcro attachment. Simply align the K80 sanding disc with the disc pad and press firmly to secure it.

5.3 Installing/Changing the Sanding Belt

- Ensure the machine is unplugged from the power source.
- Locate the clamping device for the sanding belt. Release the tension to allow the old belt to be removed or a new belt to be installed.
- Slide the K80 sanding belt onto the rollers, ensuring it is correctly oriented (check for directional arrows on the belt if present).
- Re-apply tension to the belt.
- The centering of the sanding belt can be adjusted from the outside to ensure it runs true on the rollers.

5.4 Connecting Dust Extraction

- Connect a suitable dust extraction system to the dust extraction connection port on the sander. This will help maintain a clean workshop environment and improve visibility during operation.

6. OPERATING INSTRUCTIONS

6.1 General Operation

- Before starting, ensure all adjustments are secure and the workpiece is ready.
- Plug the sander into a suitable power outlet (220 Volts).
- Turn on the sander using the power switch. Allow the machine to reach full speed before applying the workpiece.
- Apply gentle, even pressure when sanding. Avoid excessive force, which can lead to poor results, premature wear of abrasives, and potential motor strain.
- Move the workpiece smoothly across the sanding surface to ensure even material removal.
- When finished, turn off the sander and wait for all moving parts to come to a complete stop before leaving the machine unattended.

6.2 Using the Disc Sander

- The disc sander is ideal for shaping, squaring ends, and general material removal.
- The tilting aluminum table can be adjusted to various angles. Loosen the locking knob, set the desired angle using the angle scale, and re-tighten the knob.
- The cross stop can be swivelled from -60° to $+60^{\circ}$ degrees for precise angle sanding.
- Always sand on the downward-rotating side of the disc to prevent the workpiece from being thrown upwards.

6.3 Using the Belt Sander

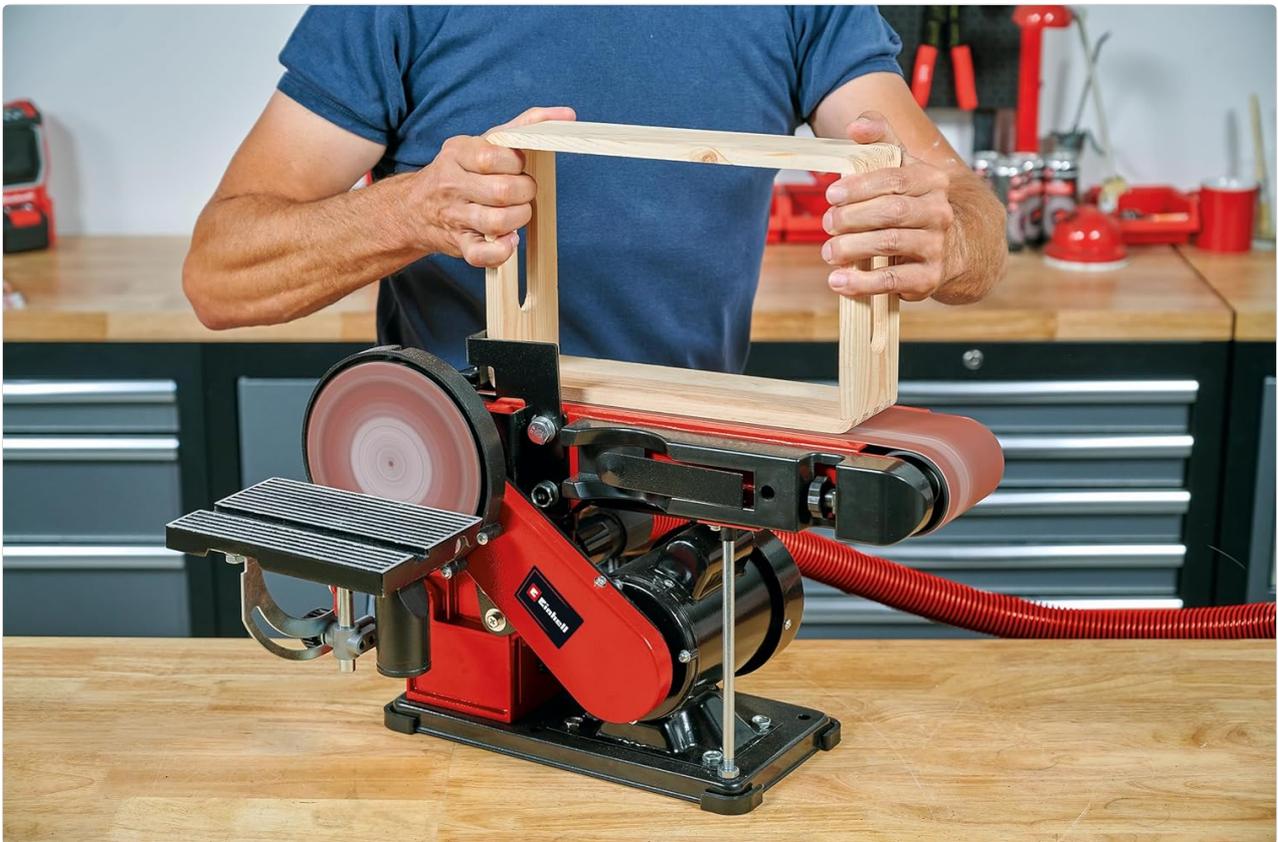


Figure 6.1: The Einhell TC-US 380 Disc and Belt Sander in operation, demonstrating the belt sander being used to smooth a wooden frame. A dust extraction hose is connected to the machine.

- The belt sander is suitable for larger surfaces, edge sanding, and removing significant amounts of material.
- The sanding belt device can be swivelled and positioned both horizontally and vertically for optimal

adaptation to your work. Loosen the relevant locking mechanism, adjust the belt to the desired position, and secure it.

- Utilize the workpiece stop to support your material and ensure consistent sanding.

7. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your sander. Always disconnect the power supply before performing any maintenance.

7.1 Cleaning

- After each use, clean the machine to remove dust and debris. Use a brush or compressed air.
- Do not use solvents or abrasive cleaners, as they may damage plastic parts.
- Ensure the dust extraction port is clear of blockages.

7.2 Abrasive Replacement

- Replace sanding belts and discs when they become worn or clogged to maintain sanding efficiency and prevent damage to the workpiece or machine. Refer to Section 5.2 and 5.3 for replacement instructions.

7.3 General Inspection

- Periodically check all screws and fasteners for tightness.
- Inspect the power cord for any signs of damage, fraying, or cuts. If damaged, have it replaced by a qualified technician.
- Check the rubber feet for wear or damage to ensure continued stability.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Sander does not start.	No power supply; faulty power switch; motor overload.	Check power connection and outlet. Ensure switch is fully engaged. Allow motor to cool if overloaded. Consult a technician if problem persists.
Poor sanding performance.	Worn or clogged sanding belt/disc; incorrect abrasive grit; excessive pressure.	Replace worn abrasives. Use appropriate grit for the material. Reduce pressure.
Excessive vibration.	Loose components; uneven placement; damaged rubber feet.	Check all fasteners for tightness. Ensure sander is on a stable, level surface. Inspect and replace damaged rubber feet.

Problem	Possible Cause	Solution
Sanding belt runs off track.	Improper belt tension; incorrect centering adjustment.	Adjust belt tension. Use the external centering adjustment to align the belt.

9. SPECIFICATIONS

Feature	Detail
Brand	Einhell
Model	TC-US 380 (new model 2021)
Part Number	4419257
Power Source	AC Electric Cable
Voltage	220 Volts
Wattage	380 Watts
Sanding Belt Speed	Up to 292 m/min
Disc Sander Idle Speed	1,450 RPM
Disc Diameter	150 mm
Product Dimensions (L x W x H)	19.29" x 15.39" x 12.76"
Item Weight	13.25 Kilograms (approx. 29.2 pounds)
Included Components	Workbench Disc and Belt Disc Sander, 1 x Sanding Belt (K80); 1 x Disc Sander Disc (K80)

10. WARRANTY AND SUPPORT

For detailed warranty information, please refer to the official warranty documentation provided with your product or visit the official Einhell website. Keep your proof of purchase for warranty claims.

For technical support, spare parts, or service inquiries, please contact Einhell customer service through their official channels. Contact information can typically be found on the Einhell website or in the original product packaging.

EU Spare Part Availability Duration: 1 Year (as per product specifications).

Related Documents

	<p>Einhell TC-BS 8038 Belt Grinder/Sander: Operating Instructions and Safety Guide</p> <p>Comprehensive operating instructions and safety guide for the Einhell TC-BS 8038 Belt Grinder/Sander. Covers safety precautions, proper usage, maintenance, technical specifications, and warranty information.</p>
	<p>Einhell TE-BF 18 Li Akku-Bandfeile Bedienungsanleitung Cordless Belt File Operating Manual</p> <p>Discover the Einhell TE-BF 18 Li Cordless Belt File with this comprehensive operating manual. Learn about its features, safe usage, technical specifications, and maintenance for efficient deburring and sanding tasks.</p>
	<p>Einhell TC-US 400 Stand-Band-Tellerschleifer Bedienungsanleitung</p> <p>Umfassende Bedienungsanleitung für den Einhell TC-US 400 Stand-Band-Tellerschleifer. Enthält Sicherheitshinweise, technische Daten, Montage-, Betriebs- und Wartungsanleitungen für Holzbearbeitung.</p>
	<p>Einhell TE-RS 18 Li Cordless Random Orbit Sander - Operating Instructions</p> <p>Comprehensive operating instructions and safety information for the Einhell TE-RS 18 Li Cordless Random Orbit Sander. Covers safe usage, technical specifications, operation, cleaning, maintenance, and disposal guidelines.</p>