Saved from manuals.plus.
Open the live page for links to other documents and user manuals.

VEVOR MX-75 Workbench

VEVOR MX-75 Workbench 7.3 x 4 Inch Compound Slide Milling Working Table Instruction Manual

Model: MX-75 Workbench

1. Introduction

This manual provides instructions for the safe and efficient operation, setup, and maintenance of your VEVOR MX-75 Workbench Compound Slide Milling Working Table. This worktable is designed for precision positioning, milling, drilling, optical viewing, and staging applications, compatible with various drill stands, drilling machines, and milling machines.

Please read this manual thoroughly before operating the device and retain it for future reference.

2. Safety Instructions

- Always wear appropriate personal protective equipment (PPE), including safety glasses, when operating machinery with the worktable.
- Ensure the worktable is securely mounted to a stable and appropriate machine or workbench before use.
- Keep hands and loose clothing away from moving parts during operation.
- Do not exceed the weight capacity or operational limits of the worktable or the machine it is attached to.
- Regularly inspect the worktable for any signs of damage or wear. Do not operate if damaged.
- Keep the work area clean and well-lit.
- Disconnect power from the main machine before making any adjustments or maintenance to the worktable.

3. Components Included

The VEVOR MX-75 Workbench Compound Slide Milling Working Table package includes:

- 1 x MX-75 Multifunction Milling Support Table Worktable



Figure 3.1: Overview of the VEVOR MX-75 Workbench. This image displays the main components including the worktable surface, hand wheels for axis movement, and the sturdy base, highlighting its compact 7.3 x 4 inch size and suitability for various milling applications.

4. Setup

To set up your VEVOR MX-75 Workbench:

1. **Unpack:** Carefully remove all components from the packaging. Inspect for any shipping damage.
2. **Mounting:** Securely attach the MX-75 Workbench to your drill stand, drilling machine, or milling machine using appropriate fasteners (not included). Ensure the base is stable and level. The cast iron base provides inherent stability.
3. **Clearance:** Verify that there is sufficient clearance for full travel of both axes without obstruction.



Figure 4.1: Structural overview of the VEVOR MX-75 Workbench. This image illustrates the robust construction, including the surface finishing table, cast iron base, and roughening screw rod, emphasizing its solid and wear-resistant design for long life.

5. Operating Instructions

5.1 General Operation

The MX-75 Workbench features two axes of movement, allowing for precise positioning of your workpiece.

5.2 Adjusting Position

- **Movement:** The movable table can be slid forward, backward, leftward, and rightward. Movement is achieved by twisting the respective hand wheels.
- **Precision Adjustment:** The hand cranks are equipped with a precise scale, allowing for micro-adjustments with an accuracy of approximately 0.01 mm. This enables accurate positioning for machining parts.
- **Fixed Lock:** Utilize the fixed lock mechanism to secure the table in position once the desired coordinates are reached. This prevents unwanted movement during operation and enhances processing precision.



Figure 5.1: Close-up of the high-precision compound table. This image highlights key features such as the three dovetail grooves, ergonomic hand circle, and accurate scale, all contributing to exact movement and precision machining.

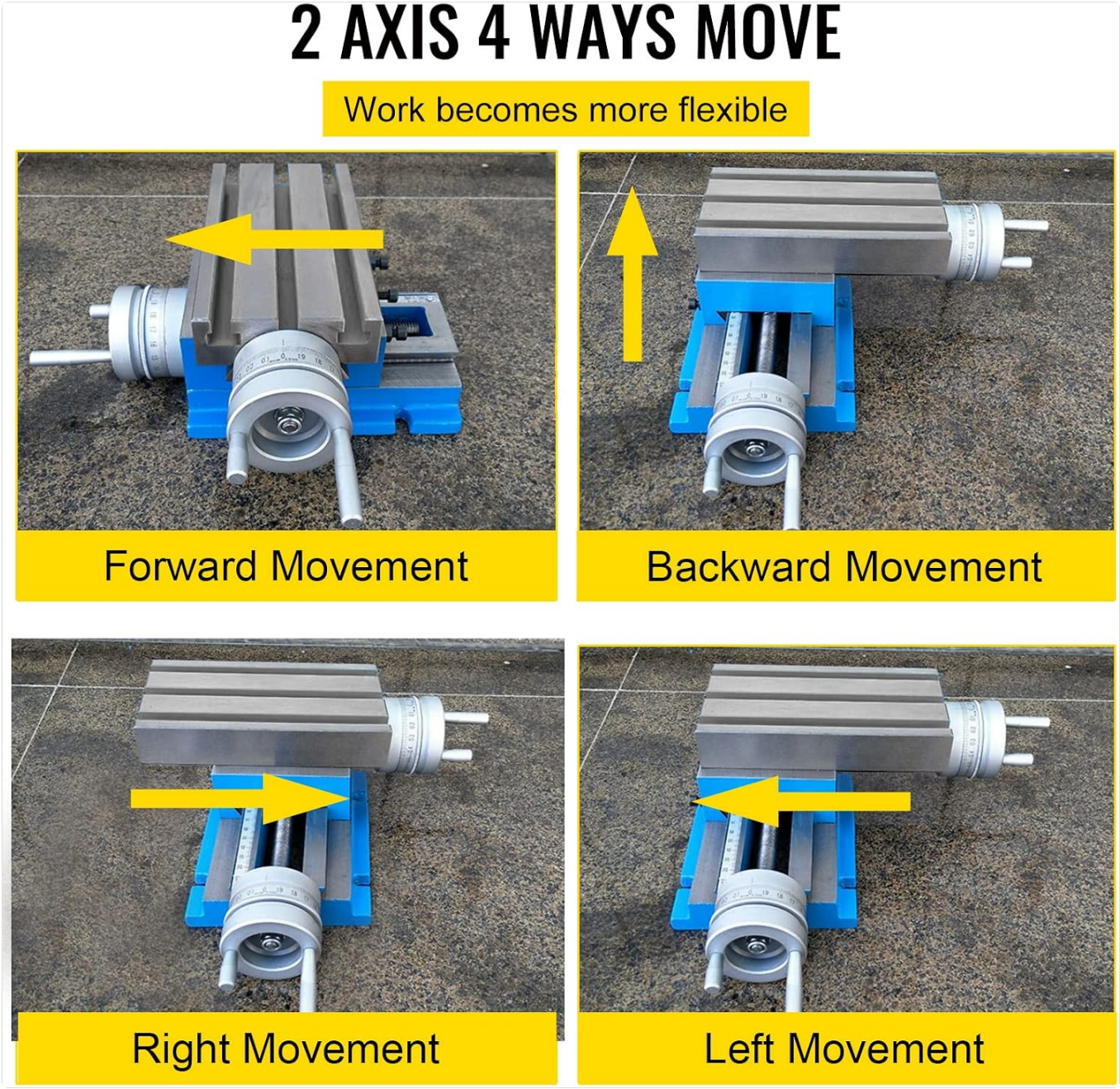

Figure 5.2: Illustration of the 2-axis, 4-way movement capability. This composite image demonstrates the forward, backward, right, and left movement options of the worktable, allowing for flexible workpiece positioning.



Figure 5.3: Stability features of the VEVOR MX-75 Workbench. This image shows the fixed lock mechanism, which ensures wide adjustment and high clamping force for stable operation.

5.3 Workpiece Clamping

The worktable features three T-shaped grooves. Use appropriate T-slot clamps (not included) to securely fasten your workpiece to the table. Ensure the workpiece is firmly clamped to prevent movement during machining, which could affect accuracy and safety.

6. Maintenance

- **Cleaning:** After each use, clean the worktable surface and T-slots to remove chips, dust, and debris. Use a brush or compressed air.
- **Lubrication:** Periodically apply a light machine oil to the lead screws and sliding surfaces to ensure smooth operation and prevent rust. The internal lead-screw is abrasion-resistant but benefits from lubrication.
- **Inspection:** Regularly check all fasteners for tightness. Inspect the hand wheels, scales, and sliding mechanisms for any signs of wear or damage.
- **Storage:** Store the worktable in a clean, dry environment when not in use to prevent corrosion.

7. Troubleshooting

- **Stiff Movement:** If the table movement feels stiff, check for debris in the sliding mechanisms or lead screws. Clean thoroughly and apply lubricant. Ensure the fixed lock is disengaged.
- **Inaccurate Readings:** Verify that the hand wheel scales are clean and clearly visible. Ensure there is no play in the lead screw mechanisms.
- **Workpiece Slippage:** Ensure T-slot clamps are correctly installed and tightened. The T-shaped grooves are designed for tight and reliable clamping.
- **Unusual Noises:** Discontinue use immediately. Inspect for loose components, foreign objects, or excessive wear on moving parts.

8. Specifications

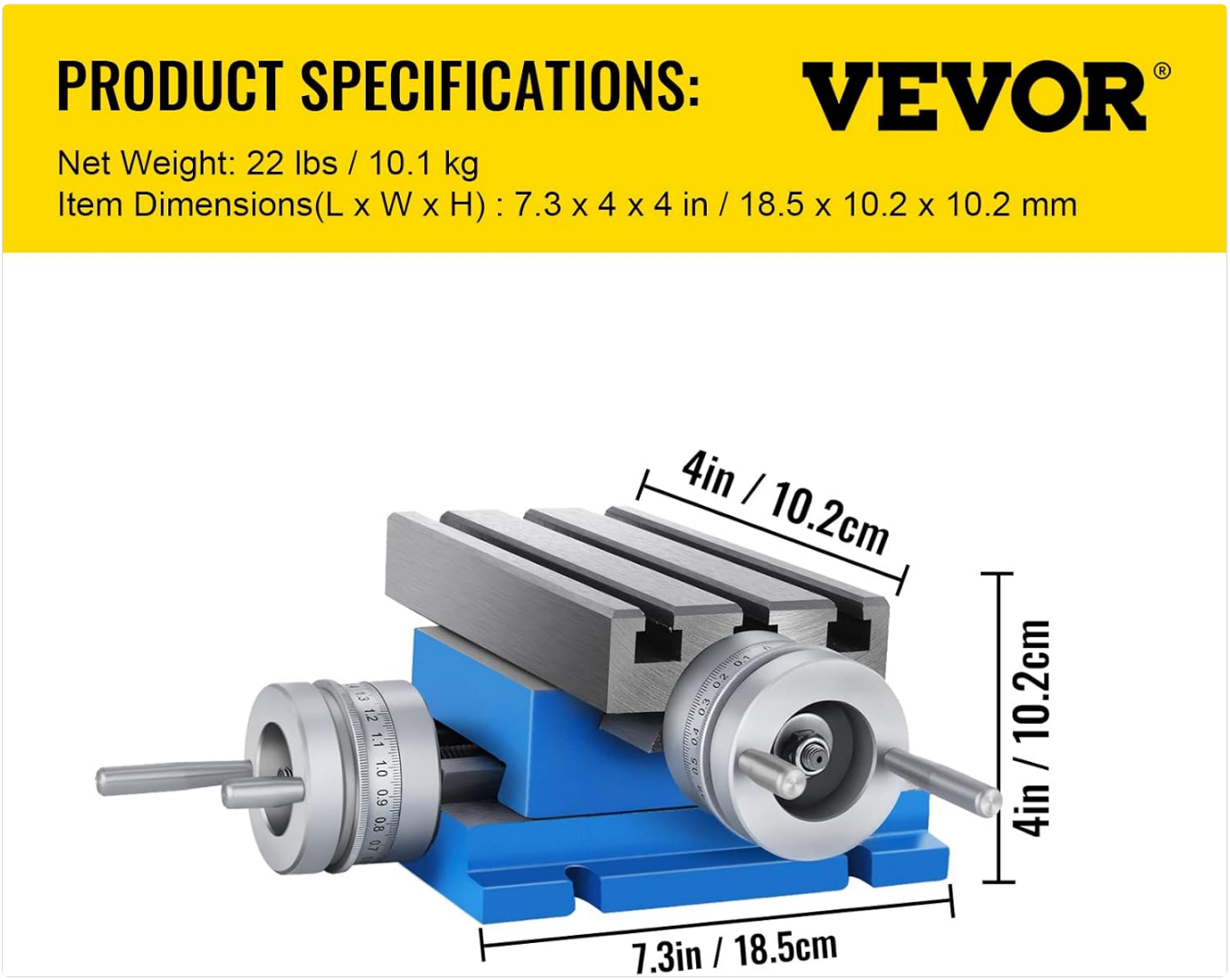

Figure 8.1: Visual representation of the VEVOR MX-75 Workbench dimensions and specifications.

Specification	Value
Model Number	MX-75 Workbench
Manufacturer	VEVOR
Part Number	Table de Glissière de Forage 185x100 mm

Product Dimensions (L x W x H)	18.54 x 10.16 x 10.16 cm (7.3 x 4 x 4 inches)
Item Weight	9.98 kg (22 lbs)
Power Source	Hand-powered
Item Package Quantity	1
Batteries Required?	No
Precision	Approx. 0.01 mm (micro adjustment)

9. Warranty and Support

For warranty information or technical support, please refer to the documentation provided with your purchase or visit the official VEVOR website. Keep your purchase receipt as proof of purchase for any warranty claims.

For further assistance, you may contact VEVOR customer service through their official channels.

© 2024 VEVOR. All rights reserved.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

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

Details

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

Submit question

Open the live page

https://manuals.plus/asin/B0DL93LM43

More documents and user manuals: **https://manuals.plus/**