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## IRONMAX HY-10024

# IRONMAX 7-Level Height Adjustable Folding Portable Workbench

MODEL: HY-10024




Image: The IRONMAX 7-Level Height Adjustable Folding Portable Workbench in its standard configuration.

## 1. Introduction

Thank you for choosing the IRONMAX 7-Level Height Adjustable Folding Portable Workbench. This manual provides essential information for the safe assembly, operation, maintenance, and troubleshooting of your new workbench. Please read this manual thoroughly before use and retain it for future reference.

### Safety Warnings

- **Maximum Load Capacity:** Do not exceed the maximum load capacity of**220 pounds (100 kg)**. Overloading can cause damage to the workbench and potential injury.
- Ensure the workbench is placed on a stable, level surface before use.

- Always ensure all locking mechanisms (height adjustment, tilt adjustment, clamping handles) are securely fastened before applying weight or beginning work.
- Keep hands and fingers clear of moving parts during adjustment and folding.
- Wear appropriate personal protective equipment (PPE) such as safety glasses when operating power tools on the workbench.
- Do not modify the workbench in any way. Use only original IRONMAX replacement parts if needed.

## 2. Package Contents

Please check the package to ensure all components are present and undamaged. If any parts are missing or damaged, contact IRONMAX customer service.

- Workbench Frame Assembly
- Tabletop Sections (with integrated vise)
- 8 Sliding Clamps
- Assembly Hardware (bolts, washers, nuts)
- Instruction Manual

## 3. Assembly and Setup

Follow these steps to assemble your IRONMAX workbench. For a visual guide, please refer to the installation video below.

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Video: Official installation guide for the IRONMAX Portable Workbench, demonstrating step-by-step assembly.

1. Unpack all components and lay them out on a clean, flat surface.
2. Attach the main support bars to the workbench legs using the provided hardware. Ensure all bolts are tightened securely.
3. Connect the tabletop sections to the frame. Pay attention to the orientation of the vise mechanisms.
4. Install the foot pedal and ensure it operates smoothly for height adjustment and folding.
5. Verify all connections are tight and the workbench is stable before use.




Image: A user operating a miter saw on the IRONMAX workbench, highlighting its heavy-duty metal frame and stability.

## 4. Operating Instructions

### 4.1 Height Adjustment

The workbench offers 7 levels of height adjustment to accommodate various tasks and user preferences, allowing you to work comfortably while standing or sitting.

1. Locate the height adjustment mechanism, typically controlled by a foot pedal or locking pins on the legs.
2. Release the locking mechanism.
3. Carefully raise or lower the tabletop to one of the seven available heights: 27.5", 31", 33", 35", 36", 38.5", or 40.5".
4. Ensure the locking mechanism is fully engaged at the desired height before use.




Image: Diagram illustrating the 7 adjustable height levels of the workbench, ranging from 27.5 inches to 40.5 inches, with examples of standing and sitting use.

### 4.2 Tabletop Tilt Adjustment

The workbench tabletop can be tilted to four different angles (0°, 25°, 50°, and 80°) for versatile project handling.

1. Locate the adjustable knob on the side of the workbench that controls the tabletop tilt.
2. Loosen the knob to release the tilt lock.
3. Adjust the tabletop to the desired angle (0°, 25°, 50°, or 80°).
4. Tighten the knob securely to lock the tabletop in place.




Image: Visual demonstration of the workbench tabletop tilting to various angles, controlled by an adjustable knob.

### 4.3 Tabletop Extension and Clamping

The tabletop can be extended to accommodate larger or irregularly shaped objects, and the 8 sliding clamps provide secure workpiece holding.

1. **To Extend/Gather Tabletop:** Rotate the clamping handles located at the ends of the tabletop. This action will expand or contract the tabletop sections, effectively opening or closing the integrated vise.
2. **To Use Sliding Clamps:** Position the 8 sliding clamps into the designated slots on the tabletop. Adjust their position to firmly secure your workpiece. Ensure the workpiece is stable before beginning work.




Image: The workbench tabletop extended to hold a bicycle, demonstrating its capacity for various object sizes and shapes using the integrated clamps.

### 4.4 Folding for Storage

The workbench is designed for quick and easy folding, making it convenient for storage and transport.

1. Ensure the tabletop is in its closed (non-extended) position and at its lowest height setting.
2. Locate the folding release mechanism, often integrated with the foot pedal.
3. Activate the release and carefully fold the legs inward until the workbench is compact.
4. Ensure all parts are securely folded before carrying or storing.




Image: A user demonstrating the folding process of the workbench for compact storage and easy carrying.

## 5. Maintenance

- **Cleaning:** Wipe down the workbench surfaces with a damp cloth after each use to remove dust, sawdust, and debris. Avoid abrasive cleaners that could damage the finish.
- **Inspection:** Periodically inspect all bolts, nuts, and fasteners for tightness. Tighten any loose hardware to ensure stability and safety.
- **Lubrication:** Apply a light lubricant to moving parts (e.g., height adjustment mechanisms, vise screws) if they become stiff, ensuring smooth operation.
- **Storage:** Store the workbench in a dry environment to prevent rust and corrosion, especially on steel components.

## 6. Troubleshooting

- **Workbench is unstable:** Ensure all leg bolts are tightened. Verify the workbench is on a flat, level surface. Check that height adjustment locks are fully engaged.
- **Difficulty adjusting height:** Check for obstructions in the leg mechanisms. Apply a light lubricant if movement is stiff. Ensure the release mechanism is fully activated.
- **Tabletop not clamping securely:** Ensure the clamping handles are fully rotated to tighten the vise. Check that the sliding clamps are properly seated and tightened against the workpiece.
- **Tabletop not tilting smoothly:** Loosen the tilt adjustment knob slightly more. Check for any debris obstructing the tilt mechanism.

## 7. Specifications

| | |
|---|---|
| **Model Number** | HY-10024 |
| **Material** | Aluminum + Steel |
| **Product Dimensions (D x W x H)** | 30" x 24" x 40.5" (76.2 cm x 61 cm x 102.9 cm) |
| **Item Weight** | 32 pounds (14.5 kg) |
| **Load Capacity** | 220 pounds (100 kg) |
| **Adjustable Heights** | 27.5", 31", 33", 35", 36", 38.5", 40.5" |
| **Tabletop Tilt Angles** | 0°, 25°, 50°, 80° |
| **Color** | Black + Yellow |




Image: Detailed dimensions of the workbench in both unfolded and folded states, along with net weight and weight capacity specifications.

## 8. Warranty and Support

IRONMAX products are manufactured to high-quality standards. For warranty information, technical support, or to order replacement parts, please contact IRONMAX customer service. Keep your purchase receipt as proof of purchase.
For further assistance, please visit the official IRONMAX store or contact their customer support channels.

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