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## Flyrivergo B0FGTY8C8C

# Flyrivergo Jewelry Polishing Machine and 3-inch Ball Vise User Manual

Model: B0FGTY8C8C

## INTRODUCTION

This manual provides detailed instructions for the safe and efficient operation, setup, and maintenance of your Flyrivergo Jewelry Polishing Machine and 3-inch Ball Vise. This combination tool is designed for precision work in jewelry making, polishing, engraving, and other intricate tasks. Please read this manual thoroughly before using the product to ensure proper function and safety.

## SAFETY INSTRUCTIONS

Always follow basic safety precautions to reduce the risk of fire, electric shock, and personal injury.

- Read all instructions before operating the machine.
- Wear appropriate personal protective equipment (PPE), including safety glasses, gloves, and a dust mask, especially when polishing.
- Ensure the work area is well-lit and clean. Cluttered benches invite accidents.
- Keep children and bystanders away.
- Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust.
- Avoid accidental starting. Ensure the switch is in the off-position before plugging in.
- Do not overreach. Maintain proper footing and balance at all times.
- Disconnect the plug from the power source before making any adjustments, changing accessories, or storing the tool.
- Use the correct tool for the application. Do not force a small tool or attachment to do the job of a heavy-duty tool.
- Maintain tools with care. Keep cutting tools sharp and clean for better and safer performance.
- Check for misalignment or binding of moving parts, breakage of parts, and any other condition that may affect the tool's operation. If damaged, have the tool repaired before use.

## PACKAGE CONTENTS

Carefully unpack all items and ensure all components are present and undamaged. If any items are missing or damaged,

contact customer support.

# COMPLETE SET WITH ALL NECESSARY ACCESSORIES

Meets all your needs



2"/50mm



3.35"/85mm



3.78"/96mm

*Image: Overview of the complete package contents, including the ball vise, polishing machine accessories, and various attachments.*

- Jewelry Polishing Machine (Bench Buffer Polisher)
- 3-inch Ball Vise
- Polishing Wheels (e.g., Yellow, White, Fiber)
- Polishing Compounds (e.g., White, Green)
- Various Ball Vise Attachments (pins, jaws, T-wrench)
- User Manual

## PRODUCT OVERVIEW

### Jewelry Polishing Machine

# PRODUCT PARAMETER



Voltage: **110V**



Maximum Speed: **8000RPM**



Watts: **800W**



Weight: **22.75 lbs / 10.32 kg**



*Image: Front view of the polishing machine, showing its dimensions (17.52" L x 12.8" W x 8.5" H) and key parameters like 110V voltage, 8000 RPM max speed, 800W power, and 22.75 lbs weight.*

The polishing machine features a powerful motor for efficient polishing of various materials. It includes a protective cover, a light tube for improved visibility, a dust collector, and an exhaust fan blower for maintaining a clean work environment.

# MULTIPLE UPGRADE FUNCTIONS

Simplify machine maintenance and improve polishing efficiency



*Image: Close-up view highlighting the machine's features: integrated light tube, dust collector, exhaust fan blower, and the motor housing.*

Different polishing wheels and compounds are available for various applications, from initial buffering to final high-shine polishing.

# DIFFERENT CHOICES FOR YOU



Image: Display of different polishing accessories: Yellow Wheel, White Wheel, Fiber Wheel, White Compound, and Green Compound.

## 3-inch Ball Vise

# EFFORTLESS OPERATION, PRECISION CONTROL



*Image: The ball vise showing its adjustable clamping mechanism and the ability for 360-degree free rotation, indicated by arrows.*

The 3-inch ball vise provides a stable and adjustable platform for holding small items during intricate work such as engraving, stone setting, and detailed jewelry repair. It features adjustable clamping force and 360-degree free rotation for optimal positioning.

# EASY HANDLE A VARIETY OF SHAPES AND SIZES

Smooth insertion, secure hold



*Image: The ball vise demonstrating its versatility in securely holding objects of different shapes and sizes.*

## SPECIFICATIONS

Feature	Detail
Model Number	B0FGTY8C8C
Voltage	110V
Power (Watts)	800W
Maximum Speed	8000 RPM
Polishing Machine Dimensions (L x W x H)	17.52" x 12.8" x 8.5" (445mm x 325mm x 215mm)
Polishing Machine Weight	22.75 lbs (10.32 kg)

Feature	Detail
Ball Vise Diameter	3 inches (approx. 76mm)
Ball Vise Height	3.35" (85mm)
Ball Vise Base Diameter	3.78" (96mm)

## SETUP

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### 1. Polishing Machine Setup

- Unpacking:** Remove the polishing machine and all accessories from the packaging. Inspect for any shipping damage.
- Placement:** Place the polishing machine on a stable, level workbench. Ensure adequate clearance around the machine for ventilation and safe operation.
- Mounting Polishing Wheels:**
  - Select the appropriate polishing wheel and compound for your task.
  - Securely attach the desired polishing wheel to the spindle on each side of the motor. Use the provided wrench to tighten the retaining nuts firmly.

# APPLICATION

 Flyrivergo



*Image: A hand using a wrench to securely attach a polishing wheel onto the machine's spindle.*

4. **Power Connection:** Ensure the power switch is in the "OFF" position. Plug the power cord into a standard 110V electrical outlet.

## 2. Ball Vise Setup

1. **Placement:** Place the ball vise on a clean, stable surface. The suction base helps secure it.
2. **Attaching Jaws/Pins:** Select the appropriate jaws or pins from the accessory set based on the item you intend to hold. Insert them into the vise head and secure them as needed.

## OPERATING INSTRUCTIONS

### 1. Using the Jewelry Polishing Machine

1. **Safety First:** Always wear safety glasses and a dust mask before operating.
2. **Power On:** Flip the power switch to the "ON" position. The motor will start, and the polishing wheels will begin to spin.

- 3. Adjust Speed:** Use the speed control knob (if available) to set the desired RPM for your polishing task. Start with a lower speed and gradually increase if necessary.
- 4. Apply Compound:** Lightly touch the polishing compound to the spinning wheel to transfer a small amount of compound onto the wheel. Do not over-apply.
- 5. Polishing:** Gently bring the item to be polished into contact with the spinning wheel. Apply light, even pressure and move the item continuously to avoid overheating or creating flat spots.



*Image: A close-up of a hand holding a ring against a spinning polishing wheel on the machine.*

- 6. Dust Collection:** The integrated dust collector and exhaust fan will help manage polishing debris. Ensure these are clear and functioning.
- 7. Power Off:** Once finished, turn the power switch to "OFF" and allow the wheels to come to a complete stop before leaving the machine.

## 2. Using the 3-inch Ball Vise

- 1. Secure Item:** Place the item you wish to work on between the jaws or pins of the ball vise.
- 2. Adjust Clamping Force:** Use the adjustment mechanism to gently tighten the jaws until the item is held securely.

without being damaged.

## EFFORTLESS OPERATION, PRECISION CONTROL



Adjustable Clamping Force



360-Degree Free Rotation

*Image: A hand turning the adjustment knob on the ball vise to control the clamping force.*

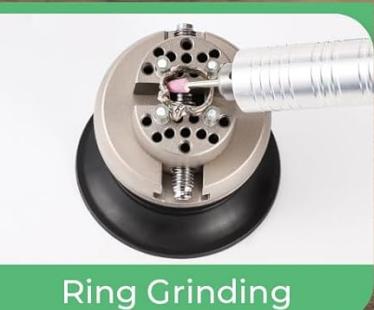
3. **Positioning:** The ball vise allows for 360-degree rotation and tilting. Adjust the position of your workpiece as needed for optimal access and comfort.

# IDEAL FOR ENGRAVING, JEWELRY MAKING, AND MORE!

Endless possibilities for your projects



Watch Maintenance



Ring Grinding



Rock Sample Analysis



*Image: Three examples demonstrating the ball vise's application in watch maintenance, ring grinding, and holding a rock sample for analysis.*

4. **Release Item:** Once your work is complete, loosen the jaws and carefully remove the item.

## MAINTENANCE

- **Cleaning:** Regularly clean the polishing machine and ball vise to prevent buildup of dust and debris. Use a soft, dry cloth. For stubborn grime, a slightly damp cloth can be used, ensuring no moisture enters electrical components.
- **Dust Collector:** Periodically empty and clean the dust collector to maintain optimal suction and prevent motor strain.
- **Polishing Wheels:** Replace polishing wheels when they become worn, glazed, or contaminated with different compounds. Ensure the machine is unplugged before changing wheels.
- **Ball Vise Jaws:** Clean the jaws and pins of the ball vise to ensure a secure grip. Lubricate moving parts of the vise periodically with a light machine oil to maintain smooth operation.
- **Storage:** Store the tools in a clean, dry environment away from direct sunlight and extreme temperatures.

## TROUBLESHOOTING

Problem	Possible Cause	Solution
Polishing machine does not start.	No power supply; Power switch off; Faulty cord/plug.	Check power outlet; Ensure switch is ON; Inspect cord for damage, contact support if damaged.
Excessive vibration or noise from polisher.	Unbalanced polishing wheel; Loose mounting; Worn bearings.	Re-seat or replace polishing wheel; Tighten mounting nuts; Contact support for bearing issues.
Poor polishing results.	Incorrect wheel/compound; Worn wheel; Insufficient pressure; Overheating workpiece.	Use appropriate wheel/compound; Replace worn wheel; Adjust pressure; Allow workpiece to cool.
Ball vise not holding item securely.	Jaws/pins not tightened; Incorrect jaw/pin selection; Dirty jaws.	Tighten adjustment knob; Select appropriate jaws; Clean jaws and pins.

## WARRANTY AND SUPPORT

For warranty information, technical support, or to order replacement parts, please contact Flyrivergo customer service. Refer to your purchase documentation for specific warranty terms and contact details.

**Customer Service:** Please visit the official Flyrivergo website or refer to the contact information provided with your product packaging.