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> VQVYBXN USB Rechargeable Engraving Pen User Manual

VQVYBXN 750110905688

VQVYBXN USB Rechargeable Engraving Pen User Manual

Model: 750110905688

1. INTRODUCTION

This manual provides comprehensive instructions for the safe and effective use of your VQVYBXN USB Rechargeable Engraving Pen. This cordless rotary tool is designed for precision engraving, carving, sanding, polishing, etching, routing, grinding, drilling, and cutting on various materials such as metal, glass, ceramic, leather, wood, jewelry, stone, and resin. Please read this manual thoroughly before operation and retain it for future reference.

2. SAFETY INFORMATION

Always observe basic safety precautions when using electrical tools to reduce the risk of fire, electric shock, and personal injury.

- Wear appropriate personal protective equipment, including safety glasses, to protect against flying debris.
- Ensure your work area is well-lit and clean. Cluttered or dark areas invite accidents.
- Keep children and bystanders away while operating the tool. Distractions can cause you to lose control.
- Avoid unintentional starting. Ensure the switch is in the off-position before connecting to a power source, picking up, or carrying the tool.
- Do not overreach. Maintain proper footing and balance at all times.
- Secure the workpiece. Use clamps or a vise to hold the workpiece firmly.
- Do not force the tool. Use the correct tool for your application.
- Disconnect the tool from the power source before making any adjustments, changing accessories, or storing the tool.
- Store idle tools out of reach of children and other untrained persons.
- Use only accessories specifically designed for this tool.
- Do not operate the tool near flammable liquids, gases, or dust.
- If the tool is dropped or damaged, inspect it for damage before further use.

3. PACKAGE CONTENTS

Verify that all items listed below are present in your package:

- 1 x VQVYBXN USB Rechargeable Engraving Pen
- 1 x USB Charging Cable
- 30 x Rotary Bits (various shapes and sizes)
- 2 x Drill Bits
- 3 x Saw Blades
- 1 x Wrench for bit installation



Figure 1: Engraving Pen and Included Accessories. This image displays the blue engraving pen, a USB charging cable, a green bit holder with various engraving bits, two drill bits, a small mandrel with a red tip, and three circular saw blades.

4. PRODUCT FEATURES

- **USB Wireless Rechargeable:** Cordless operation for up to 30 minutes of idling time after a full charge, offering portability and convenience.
- **Visible Speed Adjustment:** Features a 3-position adjustable rotation speed ranging from 5,000 to 25,000 revolutions per minute (r/min) to suit different applications and materials.
- **Versatile Grinding Bits:** Includes a comprehensive kit of 30 rotary bits, 2 drill bits, and 3 saw blades for engraving, carving, sanding, polishing, etching, routing, grinding, drilling, and cutting.
- **Compact and Portable Design:** Lightweight and easy to handle, making it suitable for various crafting projects and on-the-go use.
- **Wide Material Compatibility:** Effective on materials such as metal, glass, ceramic, leather, wood, jewelry, stone, and resin.

USB Rechargeable High-tech Engraver



Figure 2: Engraving Pen Components. This image highlights the alloy body, power light, speed light, on/off and adjust speed button, USB recharge port, and the bit insertion point of the engraving pen.

5. SETUP

5.1 Charging the Engraving Pen

Before first use, fully charge the engraving pen. Connect the provided USB charging cable to the pen's USB port and to a compatible USB power source (e.g., computer, wall adapter). The power light indicators will show charging status.

5.2 Installing Bits

To install or change engraving bits:

1. Ensure the engraving pen is turned off.
2. Locate the small wrench provided in the kit.
3. Use the wrench to loosen the tip (collet nut) of the engraving pen by turning it counter-clockwise.
4. Insert the desired bit into the collet. Ensure the bit is fully seated.
5. Tighten the collet nut clockwise using the wrench until the bit is securely held. Do not overtighten.

For installing saw blades:

1. Follow steps 1-3 above to loosen the tip.
2. Place the saw blade onto the small mandrel (the shaft with a screw).
3. Secure the saw blade by tightening the screw on the mandrel.
4. Insert the mandrel with the saw blade into the collet and tighten the collet nut as described in step 5 above.

How To Install Bits?

Put out wrench



Insert bits



Tighten thr screw



Lose the tip



Install the sawbit, and tight it



Insert bit and tight it

How To Install Sawbit?

Figure 3: Bit and Saw Blade Installation. This image illustrates the steps for inserting engraving bits and attaching saw blades to the engraving pen, including loosening the tip, inserting the bit, and tightening the screw.

6. OPERATING INSTRUCTIONS

6.1 Powering On and Adjusting Speed

To turn on the engraving pen, press the On/Off button once. The pen will start at the lowest speed setting. To adjust the speed:

- Press the On/Off button once for Speed Level 1 (5,000-8,000 r/min).
- Press the On/Off button twice for Speed Level 2 (12,000-15,000 r/min).
- Press the On/Off button thrice for Speed Level 3 (18,000-20,000 r/min).

The speed light indicators on the pen will illuminate to show the current speed level. To turn off the pen, press and hold the On/Off button until the lights turn off.

5000-20000r Strong Motor



Figure 4: Speed Adjustment and Power Indicators. This image illustrates the three speed levels (5,000-8,000 r/min, 12,000-15,000 r/min, 18,000-20,000 r/min) and how to select them using the On/Off button. It also shows the power light indicators for battery charge (100%, 70%, 30%).

6.2 Engraving and Polishing Techniques

Hold the engraving pen like a regular pen. Apply light, consistent pressure. For detailed work, use lower speeds. For material removal or polishing, higher speeds may be more effective. Practice on scrap materials before working on your final project.

Engraving



Polishing



Become A Engraving Professor

Jade
Glass
Wood



Metal
Egg
Nut

Figure 5: Application Examples. This image displays the engraving pen being used for engraving on a bottle cap and polishing a small object. It also shows various materials like jade, glass, wood, metal, eggshells, and nuts being engraved or worked on.

7. MAINTENANCE

- **Cleaning:** After each use, disconnect the tool and clean any dust or debris from the pen body and bits using a soft cloth or brush. For bits clogged with material (e.g., polymer clay), soap and water can be used, ensuring they are thoroughly dried afterward.
- **Storage:** Store the engraving pen and its accessories in a dry, clean place, out of reach of children.
- **Battery Care:** To prolong battery life, avoid fully discharging the battery frequently. Charge the pen regularly, even if not in use for extended periods.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Pen does not turn on.	Battery is discharged.	Charge the pen fully using the provided USB cable.
Pen operates at reduced speed or inconsistent power.	Low battery charge; bit is dull or clogged; motor issue.	Recharge the battery. Replace or clean the bit. If the issue persists after charging and bit replacement, contact customer support.
Bit is loose or falls out during operation.	Collet nut not tightened sufficiently.	Ensure the pen is off, then tighten the collet nut firmly with the wrench.
Pen does not charge.	Faulty USB cable or charging port; power source issue.	Try a different USB cable and power source. Inspect the charging port for damage. If damaged, contact customer support.

9. SPECIFICATIONS

Feature	Detail
Brand	VQVYBXN
Model Number	750110905688
Power Source	USB Charging (1 Lithium Ion battery included)
Rated Voltage	4.2V
Rotation Speed	5,000 - 25,000 r/min (3 adjustable levels)
Idling Time (Full Charge)	Approximately 30 minutes
Bit Diameter	2.35mm
Dimensions (L x W x H)	6.69 x 2.75 x 2.36 inches
Item Weight	0.19 Kilograms (6.7 ounces)
Material	Metal (Alloy body)
Number of Pieces	37 (Engraving Pen + 35 bits + wrench)

10. WARRANTY AND SUPPORT

VQVYBXN offers a 1-year after-sale service for this product. If you encounter any problems or have questions regarding the operation, maintenance, or performance of your engraving pen, please contact VQVYBXN customer support for assistance. Please refer to your purchase documentation for specific contact information.

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