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AM ARROWMAX 230312

AM ARROWMAX Mini Electric Engraving Pen Instruction Manual

Model: 230312

INTRODUCTION

Thank you for choosing the AM ARROWMAX Mini Electric Engraving Pen. This versatile and precise tool is designed for intricate engraving, polishing, shaping, sanding, and carving tasks on a variety of materials. Its compact design, intuitive controls, and comprehensive accessory kit make it ideal for both beginners and experienced crafters. Please read this manual thoroughly before use to ensure safe and optimal performance.

PACKAGE CONTENTS

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

- 1 x AM ARROWMAX Mini Electric Engraving Pen
- 30 x Engraving Bits
- 12 x Polishing Bits
- 1 x Storage Bag
- 1 x USB Charging Cable
- 1 x User Manual

SGS FEATURES



POLISHING



MODEL MAKING



**MATCHING MULTIPLE
GRINDING TYPES**



ONE BOX STORAGE

Image: The complete kit, including the engraving pen and various bits.



Image: Overview of the beginner-friendly starter kit components.

PRODUCT OVERVIEW



Image: Detailed diagram of the engraving pen's parts and controls.

Chuck: Holds the engraving and polishing bits securely. Designed for easy bit changes without additional tools.

Aluminium Alloy Body: Provides a durable and comfortable grip, enhancing control during use.

Gear Adjustment Button: Used to cycle through the four available speed modes.

Status Display (OLED): Shows battery status, selected speed mode, and rotation direction.

Power Button: Long press to turn the pen on or off. Single press after startup to switch between forward and reverse rotation.

Magnetic Charging Port: Convenient port for charging the device.

SETUP

1. Charging the Engraving Pen

Before first use, fully charge the engraving pen. The device is equipped with a 5V rechargeable battery.

- Connect the provided USB charging cable to the magnetic charging port on the pen.
- Connect the other end of the USB cable to a compatible USB power source (e.g., computer, wall adapter).
- The OLED display will indicate charging status. A full charge provides up to 90 minutes of continuous use.

2. Installing/Changing Bits

The engraving pen features an easy-to-use chuck for quick bit changes.

- Ensure the engraving pen is turned off before changing bits.
- Hold the bottom section of the pen firmly.
- Twist the top section of the chuck counter-clockwise to loosen it.
- Carefully insert or remove the desired engraving or polishing bit.
- Twist the top section of the chuck clockwise to secure the bit firmly in place. Ensure the bit is centered and tight before operation.

OPERATION

1. Powering On/Off

- To turn on: Long press the Power Button until the OLED display illuminates.
- To turn off: Long press the Power Button again until the display turns off.

2. Adjusting Speed

The engraving pen offers four RPM modes:

- Press the Gear Adjustment Button to cycle through the speeds.
- The OLED display will show the current speed setting (1, 2, 3, or 4).
- Speed 1: 10000 RPM (Minimum Speed)
- Speed 2: 15000 RPM
- Speed 3: 25000 RPM
- Speed 4: 30000 RPM (Maximum Rotational Speed)

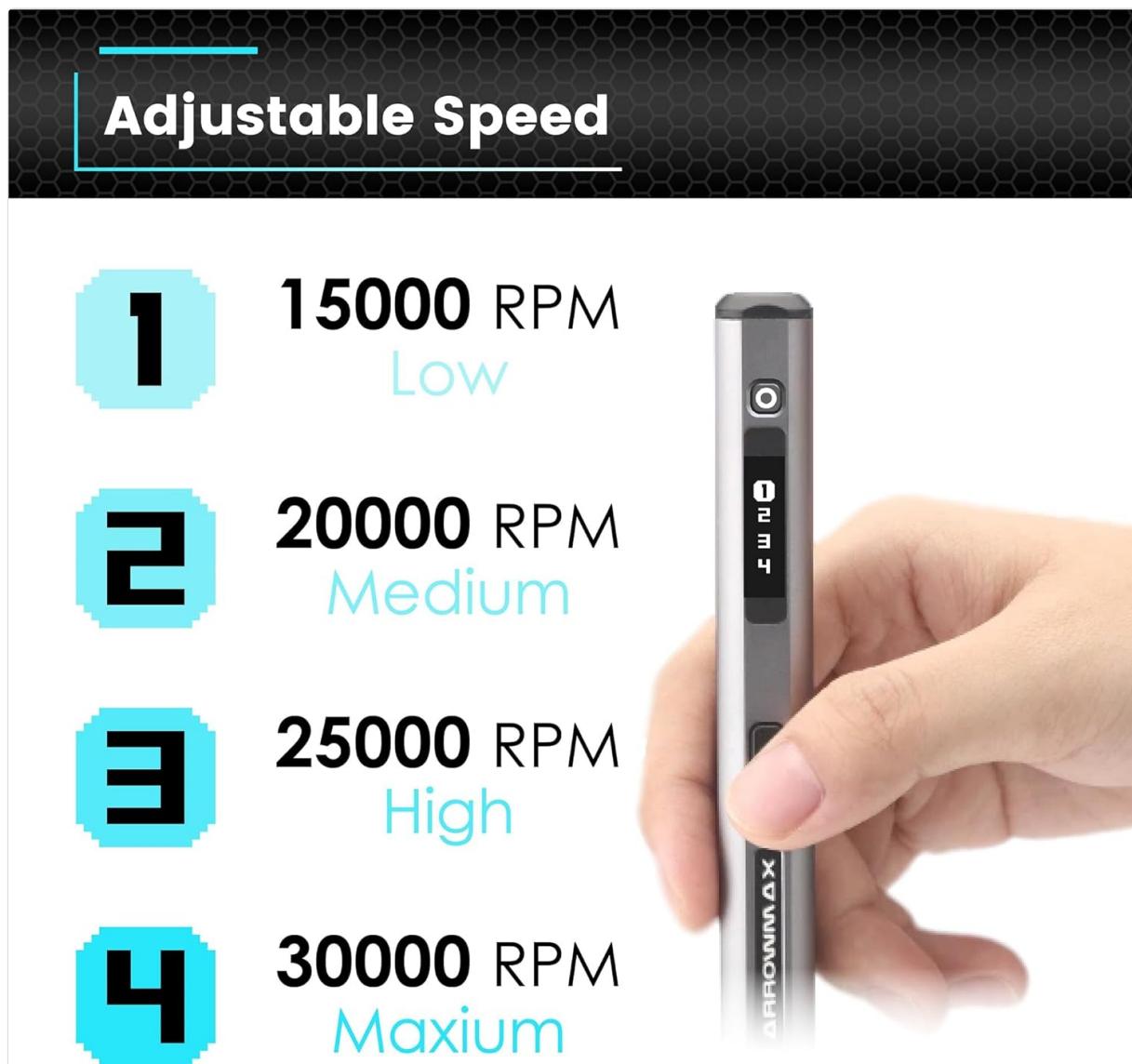


Image: Visual representation of the four speed settings.

3. Changing Rotation Direction

- After turning on the pen, single press the Power Button to toggle between forward (clockwise) and reverse (anti-clockwise) rotation.

- The OLED display will show an arrow indicating the current rotation direction.

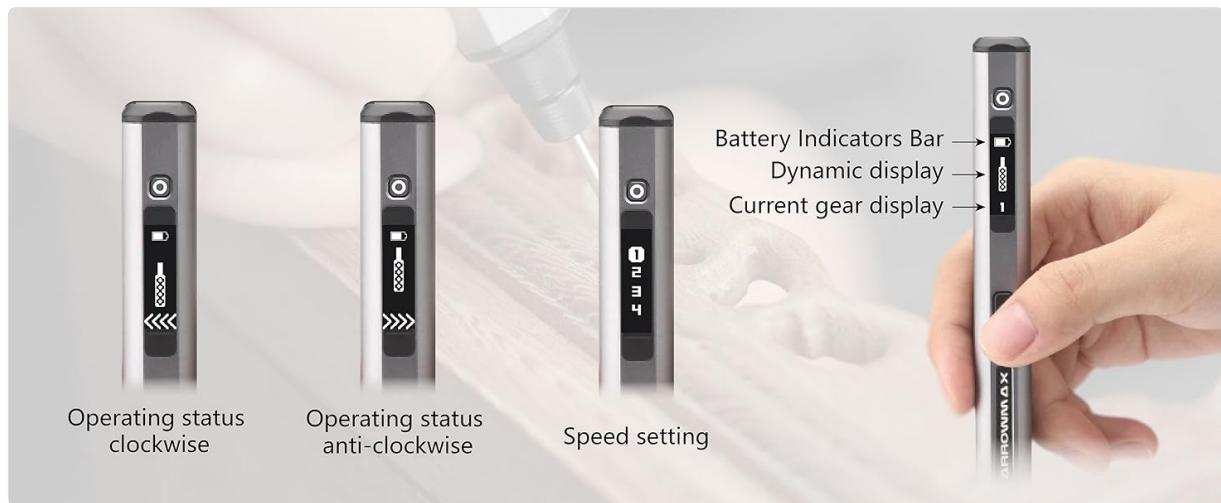


Image: OLED display showing operating status and speed settings.

4. Usage Tips

- Always wear appropriate safety glasses to protect your eyes from debris.
- Start with a lower speed setting and gradually increase as needed for your material and task.
- Apply light, consistent pressure. Let the tool do the work.
- For detailed work, use the finer engraving bits. For polishing or broader strokes, select appropriate polishing bits.
- Practice on scrap materials before working on your final project.

APPLICATIONS

The AM ARROWMAX Mini Electric Engraving Pen is suitable for a wide range of light-duty crafting and DIY projects. It can be used on various materials including, but not limited to:

- Wood
- Glass
- Metal (soft metals like aluminum, brass, copper)
- Plastic
- Ceramic
- Stone
- Leather
- Beads and Jewelry (for delicate work)

CUSTOMISE YOUR ITEM



Image: Examples of engraving on crystal, wood, gold, and glass.

30 ENGRAVING & 12 POLISHING BITS



Image: The engraving pen in use on multiple surfaces.

MAINTENANCE

1. Cleaning

- After each use, ensure the pen is turned off and unplugged.
- Use a soft, dry cloth to wipe down the body of the pen.
- Carefully remove any dust or debris from the chuck area using a small brush or compressed air.
- Do not use harsh chemicals or abrasive cleaners.

2. Bit Care and Storage

- Clean bits after use to remove any material residue.
- Store all bits in their designated slots within the provided aluminum case to prevent damage and loss.
- Inspect bits regularly for wear or damage. Replace worn bits to maintain engraving precision and prevent damage to the tool or workpiece.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Pen does not turn on.	Low battery; Power button not long-pressed.	Charge the pen fully; Long press the Power Button for 2-3 seconds.
Bit is loose or falls out.	Chuck not tightened sufficiently.	Ensure the bit is fully inserted and the chuck is twisted clockwise until tight.
Engraving is not precise or effective.	Incorrect speed setting; Worn bit; Incompatible material.	Adjust speed (higher for harder materials); Replace bit; Ensure material is suitable for engraving.
Battery life is shorter than expected.	Frequent use at high speeds; Battery degradation over time.	Reduce speed when possible; Ensure full charge cycles; Contact support if issue persists.

SPECIFICATIONS

- **Brand:** AM ARROWMAX
- **Model Number:** 230312
- **Color:** Grey
- **Voltage:** 5 Volts
- **Power Source:** Battery Powered (1 Lithium Polymer battery included)
- **Minimum Speed:** 10000 RPM
- **Maximum Rotational Speed:** 30000 RPM
- **Item Weight:** 12.7 ounces
- **Package Dimensions:** 8.86 x 2.99 x 1.22 inches
- **Special Features:** Portable, Cordless

WARRANTY AND SUPPORT

AM ARROWMAX products are manufactured to high-quality standards. For any questions, technical support, or warranty inquiries, please refer to the contact information provided on the product packaging or visit the official AM ARROWMAX website. Please retain your proof of purchase for warranty claims.