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## UTOOL UTPE00101

# UTOOL Engraver Pen User Manual

Model: UTPE00101 | Brand: UTOOL

## 1. INTRODUCTION

Thank you for choosing the UTOOL Engraver Pen. This handheld etching tool is designed for precision engraving on a variety of materials including wood, metal, glass, ceramic, leather, stone, and PVC pipe. With its adjustable depth settings and replaceable tungsten carbide steel bits, it allows for versatile and detailed work. Please read this manual carefully before operation to ensure safe and effective use of your engraver pen.

## 2. SAFETY INFORMATION

**WARNING: Always read and understand all safety warnings and instructions before operating this tool. Failure to follow the warnings and instructions may result in electric shock, fire, and/or serious injury.**

- **Eye Protection:** Always wear safety glasses or goggles when operating the engraver to protect against flying debris.
- **Work Area:** Ensure your work area is clean, well-lit, and free from clutter.
- **Secure Workpiece:** Always secure the material you are engraving to prevent it from moving during operation.
- **Ventilation:** Work in a well-ventilated area, especially when engraving materials that may produce dust or fumes.
- **Electrical Safety:** Do not expose the engraver to rain or wet conditions. Do not abuse the cord. Keep the cord away from heat, oil, sharp edges, or moving parts.
- **Children and Bystanders:** Keep children and bystanders away while operating the engraver.
- **Unplug When Not In Use:** Always unplug the tool from the power source before changing accessories, making adjustments, or storing it.
- **Proper Bits:** Use only UTOOL-approved engraving bits for optimal performance and safety.

## 3. PACKAGE CONTENTS

Verify that all items listed below are included in your package. If any items are missing or damaged, please contact UTOOL customer support.

- UTOOL Engraver Pen
- 4 x Tungsten Carbide Steel Bits
- 1 x Letter/Number Stencil Template
- 1 x Allen Wrench (for bit changing)

## UtOOL<sup>®</sup> UTPE00101 POWER ENGRAVER

### Contents



4 Tungsten Carbide Steel Bits



Allen Wrench



1 Template

**Figure 3.1:** Included components of the UTOOL Engraver Pen set, featuring the engraver, four tungsten carbide steel bits, an Allen wrench, and a letter/number stencil template.

## 4. PRODUCT FEATURES

- **Powerful Motor:** 24W motor delivering 7200 strokes per minute for efficient engraving.
- **Adjustable Depth:** 5-position depth adjustment dial for varying engraving effects from shallow to deep.
- **Durable Bits:** Includes 4 genuine tungsten carbide steel bits for smooth, stable, and long-lasting performance.
- **Ergonomic Design:** Soft rubber grip handle reduces hand fatigue and provides comfortable, precise operation.
- **Versatile Application:** Suitable for engraving on ceramic, glass, leather, metal, stone, wood, and

PVC pipe.

- **Letter/Number Stencil:** A template is included to assist with etching words and numbers.

# UtOOL<sup>®</sup> UTPE00101 POWER ENGRAVER

## Product Parameters



Works With



Tile



Metal



Stone



Wood



Leather



Glass



PVC Pipe

**Figure 4.1:** Key features of the UTOOL Engraver Pen, including the soft grip, on/off switch, replaceable tips, and depth adjustment, along with a list of compatible materials.



**Figure 4.2:** The 5-position depth adjustment dial on the engraver, allowing users to select the appropriate depth and speed for various materials.

## 5. SETUP

## 5.1 Installing/Changing Engraving Bits

1. Ensure the engraver is unplugged from the power source.
2. Locate the chuck at the front of the engraver.
3. Use the provided Allen wrench to loosen the chuck by turning it counter-clockwise (refer to Figure 5.1).
4. Carefully insert the desired tungsten carbide steel bit into the chuck. Ensure it is seated firmly.
5. Tighten the chuck securely with the Allen wrench by turning it clockwise. Do not over-tighten.
6. Verify the bit is securely held and does not wobble.



Figure 5.1: Illustration of using the Allen wrench to fasten or unfasten the engraving tip.

## 6. OPERATING INSTRUCTIONS

### 6.1 Powering On/Off

1. Plug the engraver into a standard 120V electrical outlet.
2. Locate the ON/OFF switch on the top of the engraver.
3. To turn on, slide the switch to the 'ON' position. The engraver will begin to vibrate.
4. To turn off, slide the switch to the 'OFF' position.

## 6.2 Adjusting Engraving Depth

The UTOOL Engraver Pen features a 5-position depth adjustment dial. This allows you to control the depth and intensity of your engraving based on the material and desired effect.

1. Rotate the dial located on the side of the engraver to select a depth setting from 1 (shallow/soft) to 5 (deep/hard).
2. Start with a lower setting (1 or 2) for softer materials like wood or leather, or for fine, shallow lines.
3. Increase the setting (3 to 5) for harder materials like metal or glass, or for deeper, more pronounced engravings.
4. It is recommended to test the depth setting on a scrap piece of the same material before beginning your main project.

## 6.3 Engraving Techniques

Hold the engraver like a pen, maintaining a comfortable grip. Apply light, consistent pressure. Let the tool do the work; excessive force is not necessary and can damage the bit or the material.



Figure 6.1: Proper grip for operating the UTOOL Engraver Pen.

### Using Stencils:

Place the letter/number stencil firmly on your workpiece. Trace the desired letters or numbers with the engraver pen, ensuring the bit stays within the stencil's cutouts. Remove the stencil carefully once finished.

### Freehand Engraving:

For freehand designs, you may wish to sketch your design lightly with a pencil first. Then, carefully trace over your sketch with the engraver. Practice on scrap materials to develop your technique.



Figure 6.2: Engraving a design onto a glass surface.



Figure 6.3: Engraving a detailed design on leather.



Figure 6.4: Engraving a design onto a stone surface.



**Figure 6.5:** Engraving a design onto a wooden surface.

## 6.4 Product in Use (Video)

Your browser does not support the video tag.

**Video 6.1:** A short demonstration of the UTOOL Engraver Pen in action, showcasing its ease of use and effectiveness on various materials.

## 7. MAINTENANCE

### 7.1 Cleaning

1. Always unplug the engraver before cleaning.
2. Wipe the exterior of the tool with a clean, damp cloth. Do not use harsh chemicals or abrasive cleaners.
3. Use a small brush or compressed air to remove any dust or debris from the chuck area and ventilation openings.
4. Clean engraving bits after each use to prevent material buildup, which can affect performance.

### 7.2 Storage

Store the engraver pen and its accessories in a clean, dry place, away from direct sunlight and extreme temperatures. Keep it out of reach of children.

## 8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Engraver does not turn on.	No power supply; faulty switch.	Check if the power cord is securely plugged into a working outlet. Ensure the ON/OFF switch is in the 'ON' position.
Poor engraving quality or no mark.	Incorrect depth setting; dull or damaged bit; bit not securely fastened.	Adjust the depth setting to a higher number for deeper marks. Replace the engraving bit if it is dull or damaged. Ensure the bit is securely tightened in the chuck.

Problem	Possible Cause	Solution
Engraver vibrates excessively or makes unusual noise.	Loose bit; internal component issue.	Check if the engraving bit is securely fastened. If the issue persists, discontinue use and contact customer support.
Bit gets stuck or breaks easily.	Excessive pressure; incorrect bit for material.	Reduce the pressure applied to the tool. Ensure you are using the appropriate bit and depth setting for the material being engraved.

## 9. SPECIFICATIONS

Specification	Detail
Model Number	UTPE00101
Brand	UTOOL
Power Input	120 Volts
Wattage	24 Watts
Strokes Per Minute	7200 SPM
Depth Adjustment	5-position dial
Engraving Bits	4 x Tungsten Carbide Steel
Item Weight	15.7 ounces
Product Dimensions (L x W x H)	22.24 x 19.09 x 2.2 inches
Compatible Materials	Ceramic, Glass, Leather, Metal, Stone, Wood, PVC Pipe

## 10. WARRANTY AND SUPPORT

### 10.1 Warranty Information

UTOOL stands behind every product we sell. This UTOOL Engraver Pen (Model UTPE00101) comes with a **one-year warranty** from the date of purchase. This warranty covers manufacturing defects and workmanship. Please note that accessories (such as engraving bits and stencils) are not covered under this warranty.

Proof of purchase is required for all warranty claims. Any unauthorized repair or modification to the product will void the warranty.

### 10.2 Customer Support

If you have any questions, concerns, or require assistance with your UTOOL Engraver Pen, please do not hesitate to contact our customer support team. For the fastest service, please have your model number (UTPE00101) and purchase date available.

#### Contact Information:

Website: [Visit the UTOOL Store on Amazon](#)

Email: [Please refer to your product packaging or UTOOL website for current contact email]

Phone: [Please refer to your product packaging or UTOOL website for current contact phone number]