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## DSPIAE MT-EC

# DSPIAE MT-EC Circular Cutter Starter Edition User Manual

Model: MT-EC | Brand: DSPIAE

## INTRODUCTION

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This manual provides comprehensive instructions for the safe and effective use of your DSPIAE MT-EC Circular Cutter Starter Edition. Designed for precision cutting of circles in various materials, this tool is ideal for arts, crafts, and plastic modeling. Please read this manual thoroughly before operation to ensure proper setup, usage, and maintenance.

## PACKAGE CONTENTS

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

- 1x DSPIAE MT-EC Circular Cutter
- 2x Allen Wrenches
- 1x Tungsten Steel Blade
- 1x Non-Slip Mat

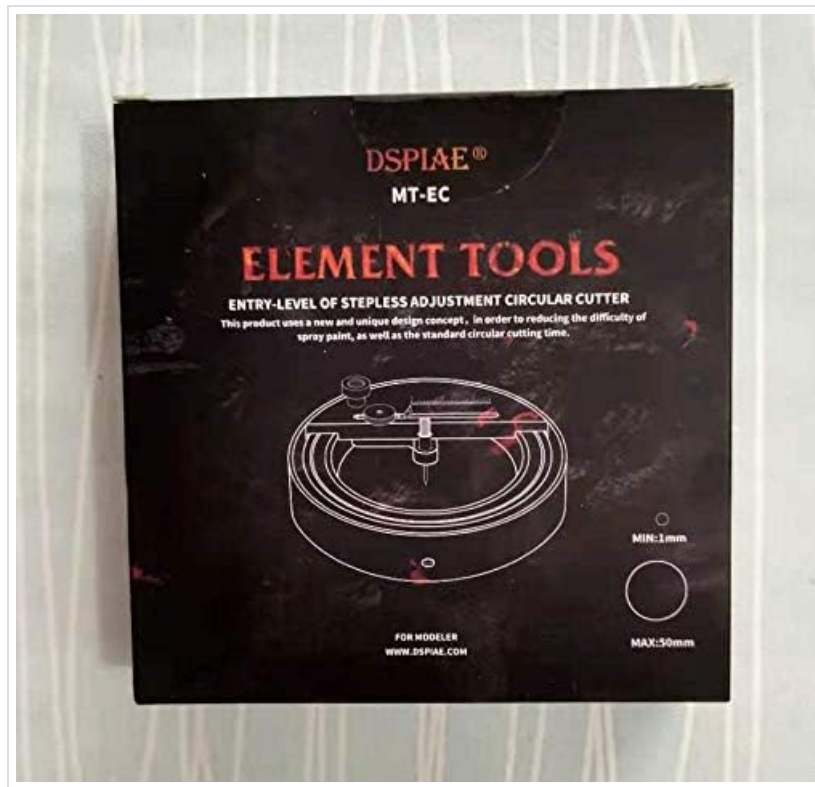


Image: The retail packaging for the DSPIAE MT-EC Circular Cutter Starter Edition, displaying the product name, model number, and a diagram of the circular cutter. The box is black with white and red text.

## SAFETY INFORMATION

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Always observe the following safety precautions when using the DSPIAE MT-EC Circular Cutter:

- **Sharp Blade:** The tungsten steel blade is extremely sharp. Handle with extreme care to prevent injury.
- **Keep Away from Children:** This tool is not a toy. Store it out of reach of children.
- **Use on Stable Surface:** Always operate the cutter on a stable, flat, and non-slip surface. Use the provided non-slip mat.
- **Wear Protective Gear:** Consider wearing appropriate safety glasses to protect your eyes from debris.
- **Proper Disposal:** Dispose of used blades safely according to local regulations.
- **Intended Use:** Use this tool only for its intended purpose of cutting circles in appropriate materials.

## SETUP

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1. **Unpack Components:** Carefully remove all items from the packaging.
2. **Prepare Work Surface:** Place the non-slip mat on a clean, flat, and stable work surface. This will help prevent the material from shifting during cutting.
3. **Install Blade:**
  - Locate the blade holder on the circular cutter.
  - Using one of the provided Allen wrenches, loosen the small screw that secures the blade holder.
  - Carefully insert the tungsten steel blade into the holder, ensuring it is seated correctly.

- Tighten the screw with the Allen wrench to secure the blade. Do not overtighten.

## OPERATING INSTRUCTIONS

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Follow these steps to cut circles with your DSPIAE MT-EC Circular Cutter:

1. **Place Material:** Position the material you wish to cut on the non-slip mat. Ensure it is flat and secure.
2. **Set Cutting Diameter:**
  - The cutter allows for stepless adjustment of the cutting diameter.
  - Loosen the adjustment screw on the cutter's arm.
  - Slide the blade holder along the arm to achieve the desired radius. The cutter supports a minimum cutting diameter of **1mm** and a maximum of **50mm**.
  - Once the desired radius is set, tighten the adjustment screw to lock the blade holder in place.
3. **Position Cutter:** Place the central pivot pin of the circular cutter at the exact center of where you want your circle to be cut.
4. **Begin Cutting:**
  - Apply gentle, even downward pressure on the cutter.
  - Rotate the cutter smoothly around the central pivot pin.
  - For thicker materials, multiple light passes may be more effective than a single deep cut.
  - Ensure the blade cuts through the entire thickness of the material before removing the cutter.
5. **Remove Cut Circle:** Carefully remove the cut circle and any excess material.

*Tip: Practice on scrap material first to get a feel for the cutter and to determine the optimal pressure and number of passes for your specific material.*

## MAINTENANCE

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- **Cleaning:** After each use, gently wipe the cutter with a dry, soft cloth to remove any dust or material residue. Do not use harsh chemicals or abrasive cleaners.
- **Blade Replacement:** Replace the tungsten steel blade when it becomes dull to ensure clean and precise cuts. Refer to the "Setup" section for blade installation instructions.
- **Storage:** Store the circular cutter in a dry, safe place, away from moisture and direct sunlight. Keep it in its original packaging or a protective case to prevent damage and accidental contact with the blade.

## TROUBLESHOOTING

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Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Uneven or rough cuts	Dull blade, insufficient pressure, unstable material, incorrect blade depth.	Replace blade, apply more consistent pressure, ensure material is secure on non-slip mat, adjust blade depth if possible.
Cutter slips during operation	Material not secured, non-slip mat not used, insufficient downward pressure on pivot.	Ensure material is firmly placed on the non-slip mat, apply steady downward pressure on the central pivot.
Difficulty rotating cutter	Blade holder screw overtightened, debris in mechanism.	Loosen blade holder screw slightly, clean any debris from the cutter's moving parts.

## SPECIFICATIONS

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- **Model:** MT-EC
- **Material:** Aluminum alloy
- **Cutting Diameter Range:** 1mm (minimum) to 50mm (maximum)
- **Product Dimensions:** Approximately 88 x 88 x 17 mm (3.46 x 3.46 x 0.67 inches)
- **Item Weight:** Approximately 9.5 ounces
- **Blade Type:** Tungsten Steel

## WARRANTY AND SUPPORT

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For warranty information, technical support, or inquiries regarding your DSPIAE MT-EC Circular Cutter, please refer to the official DSPIAE website or contact your retailer. Keep your purchase receipt as proof of purchase.

Official Website: [www.DSPIAE.COM](http://www.DSPIAE.COM)