

- Manuals.plus /
- › ENGINEER /
- › ENGINEER NS-06 Precision Mini Side Cutter User Manual, 112 mm

ENGINEER NS-06

ENGINEER NS-06 Precision Mini Side Cutter User Manual

Model: NS-06, Size: 112 mm

1. PRODUCT OVERVIEW

The ENGINEER NS-06 Precision Mini Side Cutter is a professional-grade compact tool designed for intricate cutting tasks, particularly in electronics and PCB work. It features ESD-safe comfort grip handles and hardened carbon steel undercut jaws for precise and clean cuts. The integrated coiled spring and jaw angle opening adjuster enhance user comfort and efficiency during repetitive operations.



Figure 1: ENGINEER NS-06 Precision Mini Side Cutter in a closed position, showcasing its compact design and ESD-safe handles.

2. SAFETY INFORMATION

Please read and understand all safety instructions before using the tool. Failure to follow these instructions may result in injury or damage to the tool.

- Always wear appropriate eye protection when using cutting tools.
- Keep fingers clear of the cutting jaws during operation.
- Do not use the tool to cut materials exceeding its specified capacity (e.g., copper wire 0.8mm).
- This tool is designed for cutting soft materials like copper wire and plastic. Do not use it for cutting steel wire or other hard materials.
- Store the tool in a dry, safe place, out of reach of children.
- The handles are ESD-safe, but proper grounding practices should still be followed when working with sensitive electronic components.

3. PRODUCT FEATURES

- **Compact Size:** 112mm length, ideal for detailed work in confined spaces.
- **Undercut Jaws:** Specifically designed for flush cutting in dense and intricate areas, such as on Printed Circuit Boards (PCBs).
- **ESD-Safe Handles:** Cushioned handles made of TPR Elastomer provide comfort and protect sensitive electronic components from electrostatic discharge.
- **Opening Angle Adjuster:** Allows setting the maximum jaw opening, reducing hand fatigue during repetitive tasks.
- **Coiled Spring:** Provides smooth opening action, enhancing efficiency for repeated cutting.
- **High Carbon Steel:** Jaws are constructed from hardened high carbon steel for durability and sharp cutting performance.
- **Cutting Capacity:** Maximum 0.8mm for copper wire.

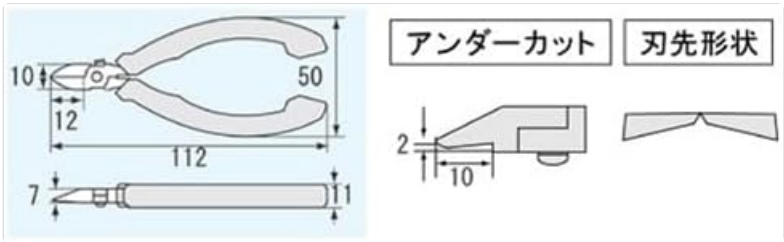


Figure 2: Technical diagram illustrating the dimensions (112mm length) and the undercut jaw design for precise cutting.

4. SETUP

1. **Unboxing:** Carefully remove the side cutter from its packaging.
2. **Inspection:** Inspect the tool for any signs of damage or manufacturing defects. Do not use if damaged.
3. **Familiarization:** Gently open and close the handles to feel the spring action and observe the jaw movement.
4. **Adjusting Jaw Opening (Optional):** If desired, use the integrated adjuster to limit the maximum opening angle of the jaws for specific repetitive tasks.

5. OPERATING INSTRUCTIONS

1. **Grip:** Hold the side cutter firmly with the ESD-safe handles.
2. **Positioning:** Place the material to be cut between the jaws. Ensure the material is within the tool's cutting capacity (e.g., copper wire up to 0.8mm).
3. **Cutting:** Apply steady pressure to the handles to close the jaws and cut the material. The undercut design allows for flush cuts.
4. **Repetitive Work:** The coiled spring will automatically open the jaws after each cut, facilitating continuous operation.

6. MAINTENANCE

- **Cleaning:** After each use, wipe the jaws and handles with a clean, dry cloth to remove any debris or residue.
- **Lubrication:** Periodically apply a small amount of light machine oil to the pivot point to ensure smooth operation.

- **Storage:** Store the side cutter in a protective pouch or tool box to prevent damage to the cutting edges. Keep it in a dry environment to prevent rust.
- **Inspection:** Regularly check the cutting edges for nicks or dullness. Sharpening is generally not recommended for precision tools; replacement may be necessary if edges are severely damaged.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Jaws do not close completely.	Debris caught between jaws or pivot.	Clean jaws and pivot area thoroughly.
Difficulty cutting material.	Material too hard or thick; dull cutting edges.	Ensure material is within specified capacity. If edges are dull, consider tool replacement.
Handles feel stiff.	Lack of lubrication at pivot point.	Apply a small amount of light machine oil to the pivot.

8. SPECIFICATIONS

Specification	Detail
Model Number	NS-06
Brand	ENGINEER
Size	112 mm
Material	High Carbon Steel (Jaws), Alloy Steel, Elastomer (Handle)
Product Dimensions	1.97"L x 4.41"W (approx. 50mm L x 112mm W)
Item Weight	73 Grams (2.57 ounces)
Color	Black
Specific Uses	Professional, PCB related work
Specification Met	RoHS
Grip Type	Comfort grips, ESD-safe
Cutting Capacity	Copper wire 0.8mm
UPC	798256167386

9. WARRANTY AND SUPPORT

For warranty information and customer support, please refer to the official ENGINEER product website or contact your authorized retailer. Keep your purchase receipt as proof of purchase.

For further assistance, you may visit the [ENGINEER Store on Amazon](#).

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

Open the live page

<https://manuals.plus/asin/B001D7TE2E>

More documents and user manuals: <https://manuals.plus/>