DONGCHENG DJH-32

DONGCHENG DJH-32 Electric Nibbler User Manual

Model: DJH-32 (Part Number: J1H-FF-3.2)

1. Introduction

This manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your DONGCHENG DJH-32 Electric Nibbler. Please read this manual thoroughly before using the tool to ensure proper handling and to prevent injury or damage.
The DONGCHENG DJH-32 Electric Nibbler is designed for cutting various metal sheets, including mild steel, alloy steel, and stainless steel, with precision and efficiency. Its robust design ensures reliable performance for industrial and professional applications.

2. General Safety Instructions

WARNING: Read all safety warnings, instructions, illustrations, and specifications provided with this power tool. Failure to follow all instructions listed below may result in electric shock, fire, and/or serious injury.

2.1 Work Area Safety

- Keep the work area clean and well-lit. Cluttered or dark areas invite accidents.
- Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust. Power tools create sparks which may ignite the dust or fumes.
- Keep children and bystanders away while operating a power tool. Distractions can cause you to lose control.

2.2 Electrical Safety

- Power tool plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with earthed (grounded) power tools. Unmodified plugs and matching outlets will reduce risk of electric shock.
- Avoid body contact with earthed or grounded surfaces, such as pipes, radiators, ranges, and refrigerators. There is an increased risk of electric shock if your body is earthed or grounded.
- Do not expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock.
- Do not abuse the cord. Never use the cord for carrying, pulling, or unplugging the power tool. Keep cord away

from heat, oil, sharp edges, or moving parts. Damaged or entangled cords increase the risk of electric shock.

2.3 Personal Safety

- Always wear eye protection. Use safety glasses, goggles, or a face shield.
- Wear appropriate personal protective equipment (PPE) such as hearing protection, gloves, and sturdy footwear.
- Dress properly. Do not wear loose clothing or jewelry. Keep your hair and clothing away from moving parts.
- Stay alert, watch what you are doing, and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol, or medication.

3. Product Overview

Familiarize yourself with the components of the DONGCHENG DJH-32 Electric Nibbler before operation.



Image: DONGCHENG DJH-32 Electric Nibbler. This image displays the side view of the electric nibbler, highlighting its ergonomic handle, motor housing (blue section), and the cutting head with the punch and die assembly.

Key Components:

- **Handle:** Ergonomically designed for comfortable grip and control.
- **Power Switch:** Controls the tool's operation (ON/OFF).
- **Motor Housing:** Contains the electric motor.
- **Cutting Head:** Houses the punch and die mechanism for cutting.
- **Punch:** The moving part that punches through the material.
- **Die:** The stationary part that supports the material during cutting.
- **Power Cord:** For connecting to an electrical outlet.

4. Setup

4.1 Unpacking and Inspection

- Carefully remove the nibbler and all accessories from the packaging.
- Inspect the tool for any signs of damage during transit. Do not operate a damaged tool.
- Ensure all listed components are present.

4.2 Power Connection

- Ensure the power switch is in the "OFF" position before plugging in the tool.
- Connect the power cord to a suitable power outlet (refer to specifications for voltage requirements).
- Use an extension cord only if necessary, and ensure it is rated for the tool's power requirements and is in good condition.

4.3 Material Preparation

- Secure the workpiece firmly to prevent movement during cutting.
- Mark the cutting line clearly on the material.
- Ensure the material thickness does not exceed the maximum cutting capacity of the nibbler (3.2mm for mild steel).

5. Operating Instructions

5.1 Starting the Nibbler

- Hold the nibbler firmly with both hands.
- Position the cutting head over the edge of the material or a pre-drilled pilot hole if starting from the middle.
- Press the power switch to turn the tool ON. Allow the motor to reach full speed before engaging the material.

5.2 Cutting Procedure

- Gently guide the nibbler along the marked cutting line.
- Apply steady, even pressure. Do not force the tool, as this can damage the punch and die or lead to an uneven cut.
- Maintain a consistent feed rate. The nibbler will remove small crescent-shaped pieces of material.
- For intricate cuts or curves, adjust your grip and angle as needed, ensuring the cutting head remains perpendicular to the material surface.
- When finished, release the power switch to turn the tool OFF. Wait for all moving parts to stop before setting the tool down.

5.3 Tips for Best Results

- Always ensure the punch and die are sharp and free from damage.
- Use a lubricant or cutting fluid when working with thicker or harder materials to extend punch and die life and improve cut quality.
- Periodically clear away metal chips from the work area to maintain visibility and prevent obstruction.

6. Maintenance

Regular maintenance ensures the longevity and optimal performance of your DONGCHENG DJH-32 Electric Nibbler.

6.1 Cleaning

- After each use, disconnect the tool from the power supply.
- Use a brush or compressed air to remove metal chips and dust from the cutting head and ventilation openings.
- Wipe the exterior of the tool with a clean, damp cloth. Do not use harsh chemicals or solvents.

6.2 Punch and Die Replacement

The punch and die are wear parts and will need replacement over time. Refer to the tool's specific instructions for detailed replacement procedures. Always use genuine DONGCHENG replacement parts.

- Disconnect power before attempting any replacement.
- Loosen the retaining nut/screw on the cutting head.
- Remove the old punch and die.
- Install the new punch and die, ensuring they are correctly aligned.
- Tighten the retaining nut/screw securely.

6.3 Lubrication

Periodically apply a small amount of machine oil to the moving parts of the cutting head to ensure smooth operation and reduce wear.

6.4 Storage

Store the nibbler in a clean, dry place, out of reach of children and away from direct sunlight or extreme temperatures.

7. Troubleshooting

This section addresses common issues you might encounter with your electric nibbler.

Problem	Possible Cause	Solution
Tool does not start.	No power supply. Faulty power switch. Damaged power cord.	Check power outlet and cord connection. Test switch. If faulty, seek professional repair. Inspect cord for damage; replace if necessary.
Poor cutting performance / Rough edges.	Dull punch or die. Incorrect material thickness. Insufficient lubrication.	Replace punch and die. Ensure material is within specified limits. Apply lubricant to cutting head.
Excessive vibration or noise.	Loose components. Worn bearings. Damaged punch/die.	Check and tighten all fasteners. Seek professional repair. Inspect and replace punch/die if damaged.
Tool overheats.	Overloading the tool. Blocked ventilation. Prolonged continuous use.	Reduce cutting pressure. Clean ventilation openings. Allow tool to cool down periodically.

8. Specifications

Feature	Detail
Model	DJH-32 (J1H-FF-3.2)

Feature	Detail
Rated Input Power	620 W
Max. Cutting Capacity (Mild Steel)	3.2 mm
Compatible Materials	Mild Steel, Alloy Steel, Stainless Steel
Material Type (Tool Body)	Steel
Manufacturer	DONGCHENG

9. Warranty and Support

DONGCHENG products are manufactured to high-quality standards. For warranty information, please refer to the warranty card included with your purchase or contact your authorized DONGCHENG dealer.
For technical support, spare parts, or service, please contact your local DONGCHENG service center or the retailer from whom you purchased the tool. Always provide the model number (DJH-32 or J1H-FF-3.2) and serial number (if applicable) when seeking support.

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

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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