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› BSNANCA 998A Vertical Key Cutting Machine User Manual

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Model: 998A

INTRODUCTION

This manual provides detailed instructions for the safe and efficient operation, setup, and maintenance of your BSNANCA 998A Vertical Key Cutting Machine. This versatile machine is designed for duplicating various key types, including those for security doors and automobiles, offering both vertical and temporary horizontal cutting capabilities.

The 998A model features a robust double-rod structure and a high-precision multi-purpose clamp, reducing the need for multiple auxiliary clamps. It supports both flat milling and end milling combinations, making it a comprehensive solution for locksmithing tasks.

SAFETY INSTRUCTIONS

Always prioritize safety when operating machinery. Failure to follow these instructions may result in injury or damage to the equipment.

- Read and understand all instructions before operating the machine.
- Wear appropriate personal protective equipment (PPE), including safety glasses, to protect against flying debris.
- Ensure the machine is placed on a stable, level surface.
- Keep hands and loose clothing away from moving parts, especially the cutting blade.
- Disconnect power before performing any maintenance, cleaning, or when changing accessories.
- Do not operate the machine in wet or damp conditions.
- Keep the work area clean and well-lit.
- Only use the machine for its intended purpose of key duplication.
- Do not force the machine; let the cutter do the work.
- Regularly inspect the power cord for damage.

PRODUCT OVERVIEW

The BSNANCA 998A is an integrated key cutting machine featuring a robust design for precision and stability.

39cm



Figure 1: Front view of the BSNANCA 998A Key Cutting Machine, illustrating its overall dimensions (39cm height, 30cm width, 31cm depth).

Key Components:

- **Cutting Head:** Houses the cutting blade and tracer.
- **Multi-Purpose Clamp:** A 45-gauge steel clamp designed to hold various key types securely. It supports hollow, wavy, and cylindrical keys, and features concealed key duplication service knot lines and cylindrical key assembly capabilities.

- **Double-Rod Structure:** Provides enhanced stability during operation.
- **Micro-Adjustment Device:** Stepping micro-adjustment devices allow for precise control over cutting depth, ensuring accuracy and speed.
- **Built-in Lamp:** Provides illumination for the work area, improving visibility during key cutting.
- **Operating Levers:** For controlling the movement of the cutting head and clamp.
- **Power Switch:** On/Off control for the machine.



Figure 2: Side view of the key cutting machine, showing the operating levers and power buttons.

SETUP

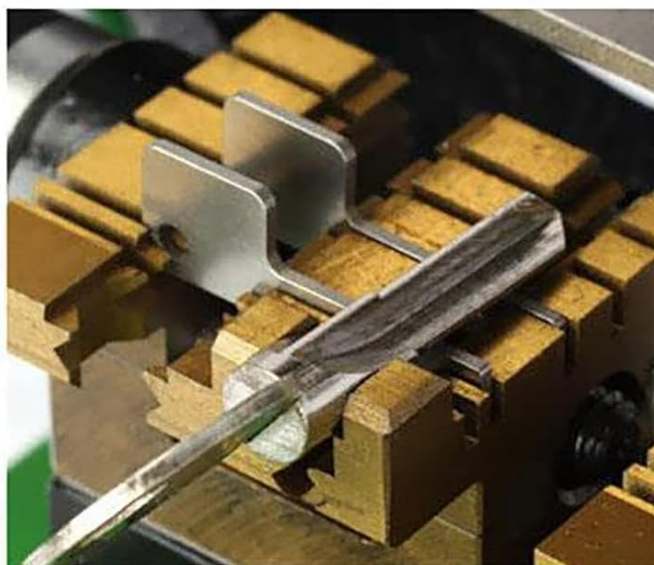
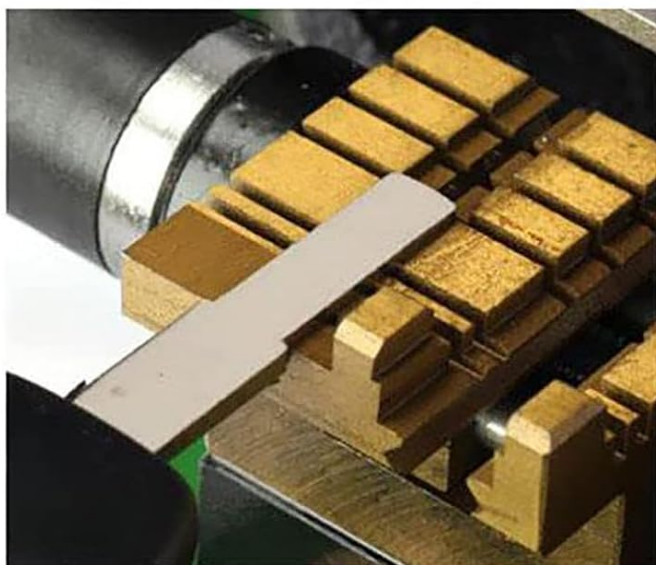
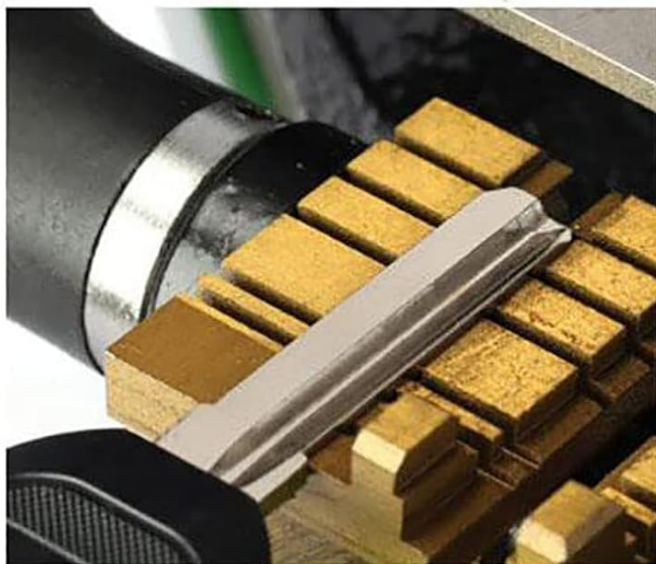
1. **Unpacking:** Carefully remove the key cutting machine and all accessories from its packaging. Retain packaging for future transport or storage.
2. **Placement:** Place the machine on a sturdy, level workbench or table capable of supporting its weight (approximately 14 kg). Ensure adequate space around the machine for safe operation and ventilation.
3. **Power Connection:** Connect the power cord to the machine's power inlet and then to a grounded electrical outlet. Ensure the voltage matches the machine's requirements (220V/50Hz).
4. **Initial Inspection:** Before first use, inspect the machine for any visible damage from shipping. Ensure all moving parts operate smoothly and that the cutting blade is securely installed.

OPERATING INSTRUCTIONS

The 998A machine offers versatile key cutting capabilities, functioning as both a vertical and a temporary horizontal key duplicator.

1. Key Clamping

The multi-purpose clamp is designed to securely hold various key blanks. Insert the original key into one side of the clamp and the blank key into the corresponding position on the other side. Ensure both keys are aligned correctly and clamped firmly to prevent movement during cutting.



(1): generally used as vertical machine (2): temporarily used as horizontal machine, you can use milling cutter side opening, Can be punched and milled.

Figure 3: Demonstrates the process of clamping keys and the cutting action for both vertical and temporary horizontal key duplication.

2. Vertical Key Duplication

For standard vertical key cutting (drilling and milling grooves):

1. Ensure the appropriate cutting blade is installed for vertical cuts.
2. Align the original key and the blank key in the clamp.
3. Use the micro-adjustment device to set the desired cutting depth.
4. Carefully guide the cutting head along the profile of the original key, transferring the cuts to the blank.

3. Temporary Horizontal Key Duplication

The 998A can be temporarily configured for horizontal cutting using a side milling cutter for punching and milling:

1. Install a side milling cutter.
2. Adjust the clamp and key orientation as needed for horizontal cutting.
3. Proceed with cutting, carefully following the original key's profile.

The machine supports both flat milling and end milling combinations, providing flexibility for various key types.

4. Micro-Adjustment and Illumination



MICRO ADJUSTMENT

The stepping micro-adjustment devices can adjust the cutting of different depths be more accurate and speedy.



BUILT-IN LAMP

Replace the old bulb with a lamp to make it more durable

Figure 4: Details of the micro-adjustment mechanism for precise depth control and the built-in lamp for improved visibility.

Utilize the stepping micro-adjustment devices to fine-tune the cutting depth for different key profiles. The built-in lamp provides essential illumination to the work area, ensuring clear visibility of the keys and cutting process.

MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your key cutting machine.

- **Cleaning:** After each use, clean the machine thoroughly. Use a brush or compressed air to remove metal shavings and dust from the cutting area, clamps, and moving parts. Do not use water or harsh chemicals.
- **Lubrication:** Periodically apply a small amount of machine oil to moving parts, such as the guide rods and lead screws, to ensure smooth operation.

- **Blade Inspection:** Regularly inspect the cutting blade for wear or damage. A dull or damaged blade can lead to inaccurate cuts and increased strain on the machine. Replace blades as needed.
- **Clamp Inspection:** Check the clamps for wear or damage. Ensure they hold keys securely without slippage.
- **Electrical Check:** Periodically inspect the power cord and plug for any signs of damage.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Machine does not power on.	Power cord unplugged, faulty outlet, tripped circuit breaker.	Check power connection, try a different outlet, reset circuit breaker.
Inaccurate key cuts.	Dull cutting blade, improperly clamped keys, incorrect micro-adjustment, worn clamp.	Replace blade, ensure keys are clamped firmly and aligned, adjust cutting depth, inspect/replace clamp.
Machine vibrates excessively.	Loose components, unstable surface, worn motor bearings.	Check for loose screws, ensure machine is on a stable surface. If problem persists, contact support.
Cutting blade gets stuck or overheats.	Forcing the cut, dull blade, insufficient lubrication.	Reduce cutting pressure, replace blade, apply lubrication.

If you encounter problems not listed here or if solutions do not resolve the issue, please contact customer support.

SPECIFICATIONS

998A SPECIFICATION

During the past several years, we have accumulated rich experience.
Customers can be assured of the product quality, technical support, and after-selling services.



OUTLINE DIMENSION	31*30*39CM
NET WEIGHT	14KG
VOLTAGE	220V/50HZ
CERTIFICATION	CE
RATED POWER	180W

Figure 5: Detailed specifications of the BSNANCA 998A Key Cutting Machine.

Feature	Detail
Model Name	Vertical Key Duplicator
Size (L*W*H)	31 x 30 x 39 CM
Operation Mode	Manual Operation
Net Weight	14 KG
Voltage	220V/50Hz
Rated Power	180W
Certification	CE
Part Number	250512Q81

Feature	Detail
ASIN	B0F8C71DXK

WARRANTY AND SUPPORT

BSNANCA is committed to providing high-quality products and customer satisfaction. If you have any questions about your purchase, operation, or require technical assistance, please do not hesitate to contact our customer support team. Please refer to your purchase documentation for specific warranty terms and conditions. For support, contact information is typically available through your retailer or on the official BSNANCA website. We aim to respond to all inquiries within 24 hours.

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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