

Dong Cheng DSN100

Dong Cheng DSN100 Sander Polisher Instruction Manual

Model: DSN100 | Power: 1400W | Size: 120x100mm

1. INTRODUCTION

This manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your Dong Cheng DSN100 Sander Polisher. Please read these instructions carefully before using the tool to ensure proper function and to prevent injury or damage.

2. PRODUCT OVERVIEW

The Dong Cheng DSN100 is a powerful 1400W sander polisher designed for polishing metal surfaces and modifying untreated metal sheets. It is particularly suitable for stainless steel, aluminum, iron, and other polished or brushed metal building products.

2.1 Included Components

- Dong Cheng DSN100 Sander Polisher unit
- Polishing/Sanding Wheel (pre-installed or separate)
- Auxiliary Handle
- Wrench for accessory changes
- User Manual



Figure 1: Dong Cheng DSN100 Sander Polisher and its included components as packaged.

3. SAFETY INSTRUCTIONS

Always follow basic safety precautions when using electric tools to reduce the risk of fire, electric shock, and personal injury.

3.1 General Power Tool Safety

- **Work Area Safety:** Keep your 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.
- **Electrical Safety:** Power tool plugs must match the outlet. Never modify the plug in any way. Avoid body contact with earthed or grounded surfaces.
- **Personal Safety:** Always wear eye protection. Use hearing protection when operating for extended periods. Dress properly; avoid loose clothing or jewelry. Secure long hair.
- **Tool Use and Care:** Do not force the power tool. Use the correct power tool for your application. Disconnect the plug from the power source before making any adjustments, changing accessories, or storing power tools.

3.2 Specific Sander Polisher Safety

- Ensure the workpiece is securely clamped or fixed before starting the polisher.
- Always use the auxiliary handle for better control and stability.
- Do not operate the tool without the appropriate polishing or sanding accessory securely attached.
- Be aware of sparks and debris generated during operation. Keep bystanders away.
- Allow the tool to reach full operating speed before contacting the workpiece.

4. SETUP

Before initial use, ensure all components are present and undamaged. Follow these steps for proper setup:

1. **Unpacking:** Carefully remove the sander polisher and all accessories from the packaging. Retain packaging for future storage or transport.
2. **Attach Auxiliary Handle:** Screw the auxiliary handle into the designated threaded hole on the side of the polisher's gear housing. Tighten securely by hand.
3. **Install Polishing/Sanding Wheel:**
 - Ensure the tool is unplugged from the power source.
 - Press and hold the spindle lock button (if present) to prevent the spindle from rotating.
 - Place the appropriate polishing or sanding wheel onto the spindle, ensuring it is seated correctly.
 - Use the provided wrench to tighten the retaining nut or flange securely. Release the spindle lock.
4. **Power Connection:** Connect the power cord to a suitable electrical outlet. Ensure the voltage matches the tool's requirements (220-240V, 50/60Hz as typical for this region).



Figure 2: Dong Cheng DSN100 Sander Polisher fully assembled with auxiliary handle and polishing wheel.

5. OPERATING INSTRUCTIONS

Once the tool is set up and safety precautions are observed, you can begin operation.

1. **Workpiece Preparation:** Clean the surface of the metal workpiece. Remove any loose debris or contaminants. Secure the workpiece firmly to prevent movement during polishing.
2. **Starting the Tool:** Hold the polisher firmly with both hands, gripping the main handle and the auxiliary handle. Ensure the polishing wheel is clear of the workpiece. Press the power switch to turn on the tool.
3. **Polishing Technique:** Gently bring the rotating polishing wheel into contact with the workpiece surface. Apply even, moderate pressure. Move the tool smoothly and consistently across the surface, avoiding prolonged contact in one spot to prevent overheating or uneven finish.
4. **Stopping the Tool:** Release the power switch to turn off the tool. Allow the polishing wheel to come to a complete stop before setting the tool down.

5. **Cool Down:** For extended use, allow the tool to cool periodically to prevent overheating of the motor.

6. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your sander polisher.

- **Cleaning:** After each use, disconnect the tool from the power supply. Use a soft, dry cloth to wipe down the exterior of the tool. Use compressed air to clear dust and debris from ventilation openings. Do not use harsh chemicals or abrasive cleaners.
- **Accessory Inspection:** Regularly inspect the polishing/sanding wheels for wear or damage. Replace worn accessories promptly. Ensure the spindle and retaining nut are clean and free of debris.
- **Cord Inspection:** Check the power cord for any cuts, fraying, or damage. If damaged, have it replaced by a qualified technician.
- **Storage:** Store the tool in a clean, dry place, out of reach of children. Protect it from direct sunlight and extreme temperatures.

7. TROUBLESHOOTING

This section addresses common issues you might encounter with your Dong Cheng DSN100 Sander Polisher.

Problem	Possible Cause	Solution
Tool does not start	No power supply Faulty power switch	Check power outlet and cord connection Contact service center
Poor polishing performance	Worn or incorrect polishing wheel Insufficient pressure Workpiece not clean	Replace polishing wheel Apply moderate, even pressure Clean workpiece thoroughly
Excessive vibration	Loose polishing wheel Damaged spindle Unbalanced accessory	Tighten polishing wheel securely Contact service center Replace accessory
Tool overheats	Blocked ventilation Prolonged heavy use	Clean ventilation slots Allow tool to cool down periodically

If you encounter problems not listed here or if the suggested solutions do not resolve the issue, please contact Dong Cheng customer support or an authorized service center.

8. SPECIFICATIONS

Feature	Specification
Brand	Dong Cheng
Model	DSN100
Power Input	1400 W

Feature	Specification
Maximum Rotation Speed	8500 RPM
Polishing Wheel Size	120 x 100 mm
Material	Metal (tool construction)
Power Source	Corded Electric
Specific Product Uses	Metal surface polishing, untreated metal sheet surface modification (stainless steel, aluminum, iron, etc.)

9. WARRANTY AND SUPPORT

For information regarding the product warranty, please refer to the warranty card included with your purchase or contact the retailer where the product was acquired. For technical support, spare parts, or service inquiries, please contact Dong Cheng customer service directly or visit their official website for authorized service centers.