

Ving B0CFQNQ5FN

Ving 24-inch Automatic DTF Powder Shaker and Dryer Instruction Manual

Model: B0CFQNQ5FN

1. INTRODUCTION

This manual provides comprehensive instructions for the safe and efficient operation, setup, and maintenance of the Ving 24-inch Automatic DTF Powder Shaker and Dryer. This unit is designed to automate the direct-to-film (DTF) transfer printing process by evenly spreading and melting adhesive powder onto printed images, streamlining production for T-shirt and other textile applications.

Please read this manual thoroughly before operating the machine to ensure proper usage and to prevent damage or injury. Keep this manual for future reference.

2. SAFETY INFORMATION

Always observe the following safety precautions:

- Ensure the machine is placed on a stable, level surface.
- Connect the machine to a grounded power outlet with the correct voltage.
- Keep hands and loose clothing away from moving parts during operation.
- Do not operate the machine in damp or wet conditions.
- Turn off and unplug the machine before performing any maintenance or cleaning.
- Use appropriate personal protective equipment (PPE) such as gloves and masks when handling DTF powder.
- Ensure adequate ventilation in the work area to dissipate fumes from the drying process.

3. PRODUCT OVERVIEW

The Ving 24-inch Automatic DTF Powder Shaker and Dryer integrates several functions to automate the DTF transfer process:

- **Vacuum Absorption Conveying Platform:** Secures the printing material to prevent bulging and ensure

consistent powder application.

- **Automatic Powder Dispenser:** Evenly spreads adhesive powder onto the printed film.
- **Paddle System:** Removes excess powder from the film.
- **Infrared Drying and Heating Tunnel:** Features 4 bulbs for efficient melting and curing of the adhesive powder, enhancing color reproduction.
- **Warming Inlet Platform:** Prepares the film for optimal powder adhesion.
- **Touch Screen Display Controller:** Provides a user-friendly interface for machine control.
- **Roll-up Mechanism:** Collects the finished film.



Figure 3.1: Front view of the Ving 24-inch Automatic DTF Powder Shaker and Dryer, showing the overall machine structure.



Figure 3.2: Side view of the machine, highlighting the integrated touch screen control panel.



Figure 3.3: The DTF Shaker and Dryer integrated into a typical printing workshop environment.

4. SETUP

- 1. Unpacking:** Carefully remove the machine from its packaging. Inspect for any shipping damage. Report any damage to the carrier immediately.
- 2. Placement:** Position the machine on a sturdy, level surface capable of supporting its weight. Ensure there is sufficient space around the machine for operation, maintenance, and ventilation.
- 3. Power Connection:** Connect the power cord to the machine and then to a grounded electrical outlet that

meets the specified voltage requirements.

4. **Powder Loading:** Open the powder dispenser compartment and carefully pour the DTF adhesive powder into the designated reservoir. Ensure the powder is dry and free of clumps.
5. **Film Loading:** Load the DTF film roll onto the input spindle, ensuring it feeds smoothly onto the vacuum absorption conveying platform.
6. **Initial Power On:** Turn on the main power switch. The touch screen display should illuminate.

5. OPERATING INSTRUCTIONS

Follow these steps for the DTF transfer printing process using the Ving Automatic DTF Powder Shaker and Dryer:

1. **Prepare Your Design:** Create or select your design using appropriate graphic software.
2. **Print onto DTF Film:** Print your design onto the DTF film using a compatible DTF printer. Ensure the print is wet when it enters the shaker unit.
3. **Automatic Powder Shaking:** As the wet printed film enters the shaker unit, the automatic powder dispenser will apply an even layer of adhesive powder. The paddle system will then remove excess powder.
4. **Baking/Curing:** The film with the applied powder will then pass through the infrared drying and heating tunnel. The heat will melt and cure the adhesive powder onto the ink.
5. **Heat Press Application:** Once the film exits the dryer and cools, it is ready for heat pressing onto your desired garment or substrate.
6. **Finishing:** Peel the transfer film from the garment after heat pressing according to the film manufacturer's instructions.

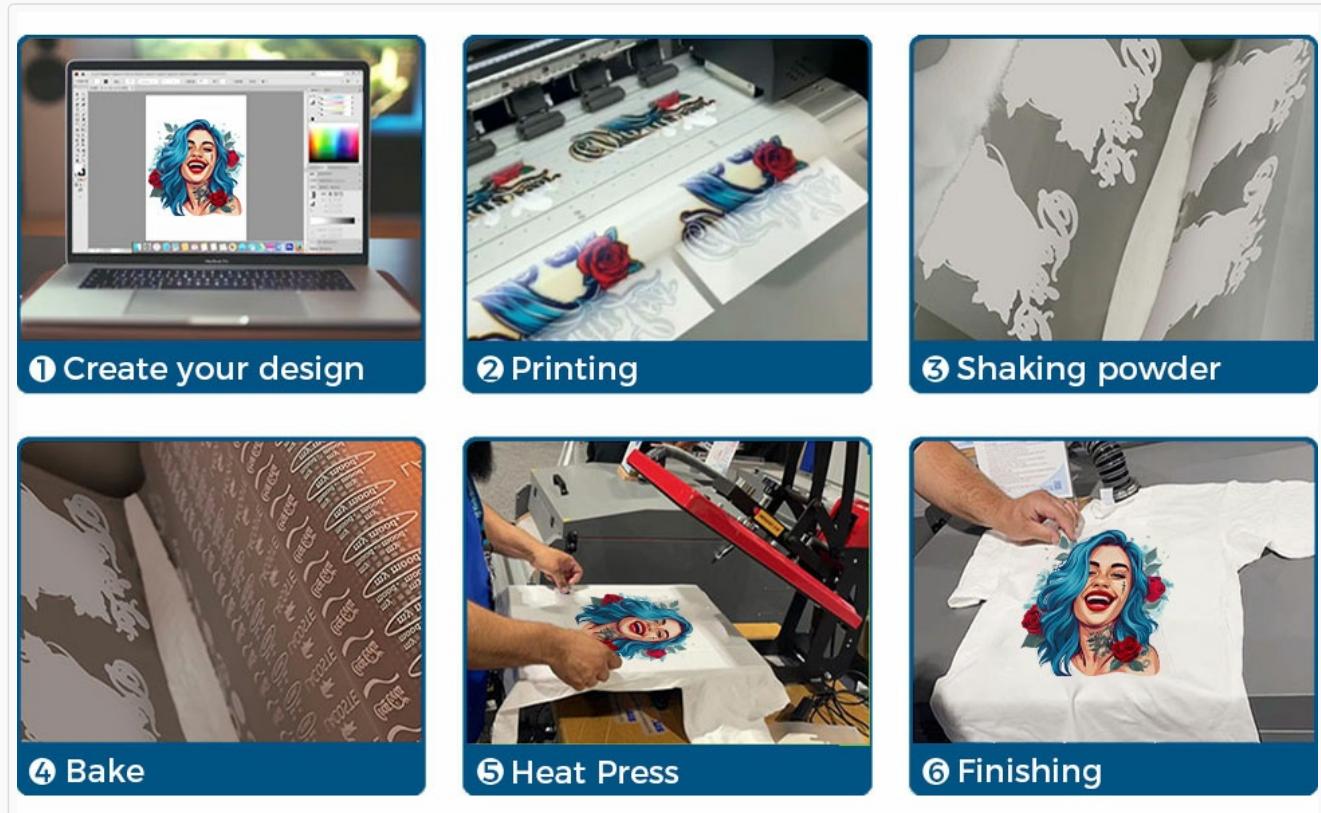


Figure 5.1: Visual representation of the DTF printing workflow, from design creation to final product.



Figure 5.2: Internal view of the drying tunnel, illustrating the infrared heating elements and the conveyor belt system.



Figure 5.3: View of the powder collection and distribution system within the shaker unit.

6. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your DTF Powder Shaker and Dryer.

- **Daily Cleaning:** After each use, clean any residual powder from the conveying platform, powder dispenser,

and paddle system. Use a soft, dry cloth or brush.

- **Powder Management:** DTF powder shakers typically do not have an automatic powder recycling function. Regularly inspect and remove any excess powder to prevent moisture absorption, which can lead to clumping and poor application. Store unused powder in a dry, sealed container.
- **Conveyor Belt Inspection:** Periodically check the conveyor belt for wear, tears, or misalignment. Clean the belt to remove any adhesive residue.
- **Heating Element Check:** Ensure the infrared heating bulbs are clean and functioning correctly. Replace any burnt-out bulbs as needed.
- **General Inspection:** Regularly inspect all electrical connections and moving parts for any signs of wear or damage.

Important Note:

This DTF powder shaker model does not feature an automatic powder recycling function. Manual removal and proper storage of excess powder are essential to prevent moisture absorption and maintain powder quality.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Machine does not power on.	No power supply; loose power cord; tripped circuit breaker.	Check power connection; ensure outlet is functional; reset circuit breaker.
Powder not spreading evenly.	Powder reservoir low; powder clumped due to moisture; dispenser clogged.	Refill powder; replace old/moist powder; clean dispenser mechanism.
Film bulging or not conveying smoothly.	Vacuum absorption issue; film improperly loaded; conveyor belt issue.	Check vacuum system; re-load film correctly; inspect conveyor belt for obstructions or damage.
Powder not melting/curing properly.	Insufficient heat; faulty heating elements; incorrect temperature setting.	Check temperature settings on touch screen; inspect heating bulbs; allow machine to pre-heat fully.
Touch screen unresponsive.	Temporary software glitch; power issue.	Restart the machine; ensure stable power supply. If issue persists, contact support.

8. SPECIFICATIONS

- **Model:** B0CFQNQ5FN
- **Brand:** Ving
- **Machine Type:** Automatic DTF Powder Shaker and Dryer
- **Maximum Film Width:** Approximately 24 inches (based on product title)
- **Drying Method:** Infrared Heating (4 bulbs)
- **Control Interface:** Touch Screen Display
- **Conveying System:** Vacuum Absorption Platform
- **Applicable Mediums:** Nylon, Chemical Fiber, Cotton, Leather, Swimsuit, Diving Suit, PVC, EVA, etc.

- **Manufacturer:** Sign-in-China
- **Date First Available:** August 15, 2023

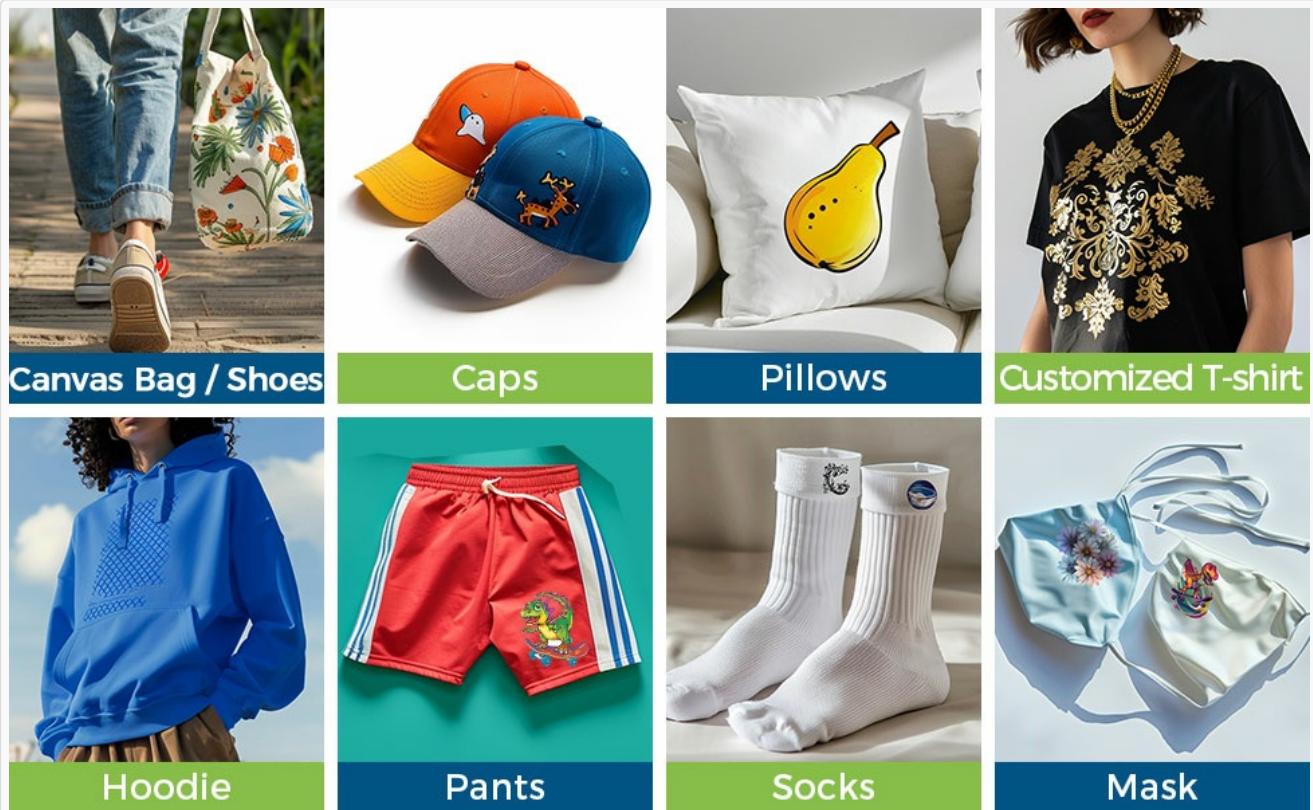


Figure 8.1: Examples of various materials and finished products that can be customized using DTF transfer printing, including canvas bags, hats, pillows, T-shirts, hoodies, pants, socks, and masks.

9. WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries, please refer to the documentation provided at the time of purchase or contact your vendor. Please have your model number (B0CFQNQ5FN) and date of purchase ready when contacting support.

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Related Documents - B0CFQNQ5FN

	<p>VING Flybro FB-100 Multi-Effects Processor User Manual and Specifications</p> <p>This document provides detailed specifications, features, and operational information for the VING Flybro FB-100 Multi-Effects Processor. It includes technical data, connection diagrams, FCC compliance information, and usage instructions.</p>
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