# A1 Powder Shaker Manual

## 24" DTF Vertical Powder Shaker / Dryer — Operation and Maintenance

### Models covered by this document

| Model | CobraFlex SKU | Description |
|---|---|---|
| A1 vertical powder shaker (24") | CF-24-DTF-Shaker-Dryer | 24" DTF Powder Shaker Dryer (vertical) — supplied with the CobraFlex 24" DTF printer packages |

| | |
|---|---|
| **Document** | User Manual |
| **Revision** | 2026-11 |
| **Prepared by** | CobraFlex Printers LLC, 906 S. Priest Drive, Suite 104, Tempe, Arizona 85281 |
| **Service** | service@cobraflexprinters.com · (602) 930-1858 |
| **Based on** | A1 Powder Shaker manual (manufacturer), summarized by CobraFlex Printers |

The A1 vertical powder shaker applies and cures hot-melt powder on printed DTF film. Read this manual before using the machine so you understand it quickly and use it safely.

### CobraFlex Service and Support

Email: **service@cobraflexprinters.com** Phone: (602) 930-1858

Support hours: Monday–Friday, 8:00 AM–4:00 PM Arizona time

**Need help? Submit a service ticket:** https://cobraflexprinters.zohodesk.com/portal/en/newticket

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Please include your company name, the machine serial number, a description of the problem, and photos or a short video. For printers, also attach a current nozzle check print.

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*CobraFlex 24" DTF vertical powder shaker dryer (A1)*

## Safety Notice

**Caution:** When the machine is working at high temperature, do not touch the area marked with the "High Temperature" sign, to avoid burns. The ground wire must be connected before you start the machine, or serious personal injury may result.

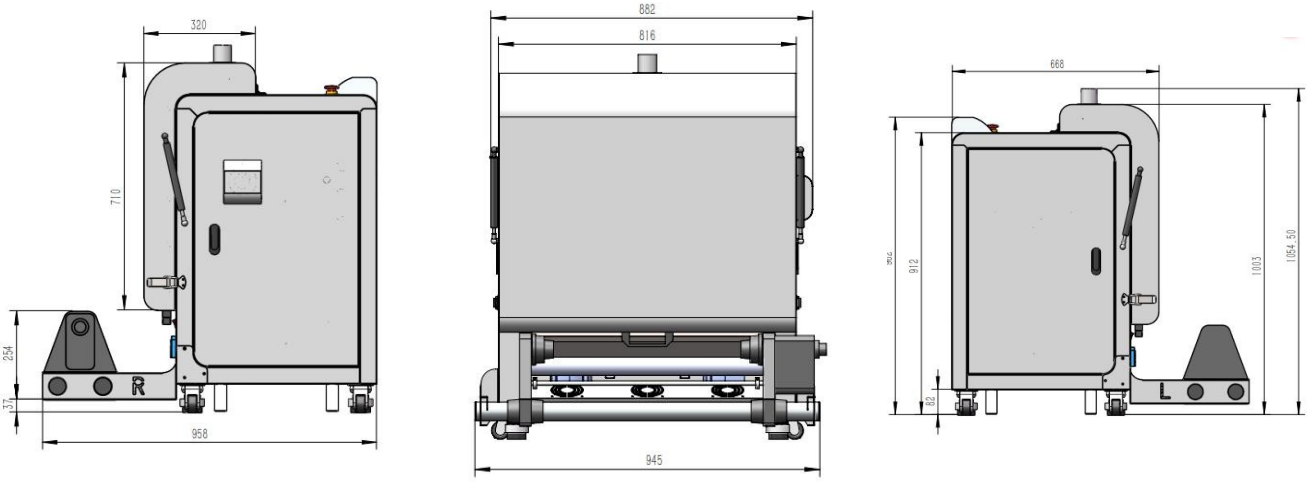
- The supply power must match the machine’s requirements, and the supply wire gauge must meet the rated requirements.
- Check that the power supply is connected to standard, with particular attention to the correct neutral-wire connection.
- People who are sensitive to static electricity should take personal protective measures when operating the equipment.
- Before use, align the powder shaker with the printer platform to reduce film misalignment when feeding.
- Regularly clean accumulated powder from the edges of the machine to keep it clean.
- When the film has finished curing, turn off all heating switches before turning off the main switch.
- Switch off the power before any maintenance or cleaning.

## Machine Specifications

| Model | Rated voltage | Rated power | Net weight | Gross weight | Size (L × W × H) |
|---|---|---|---|---|---|
| A1 Powder Shaker | 220 V | 4,500 W | 115 kg (254 lb) | 127 kg (280 lb) | 66.8 × 94.5 × 105.5 cm (26.3 × 37.2 × 41.5 in) |

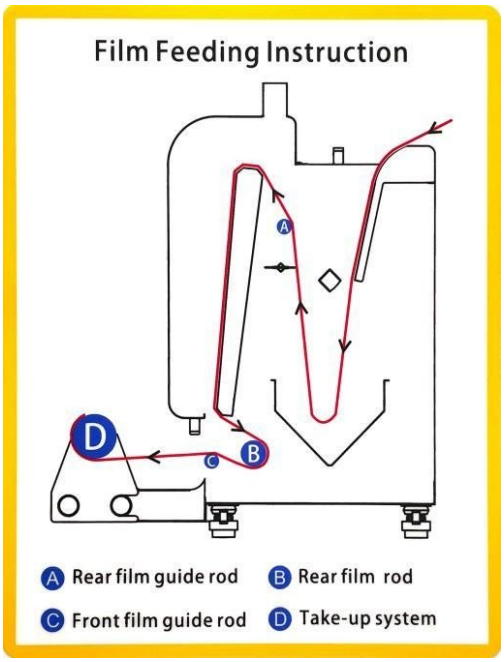
## Equipment Size

Side view: 320 × 710 mm upper body, 958 mm base width. Front view: 882 / 816 / 945 mm. Rear view: 668 mm, up to 1,054.5 mm tall.




*Side, front, and rear views (mm)*

# Film Take-Up Path




*Film feeding path: A) rear film guide rod, B) rear film rod, C) front film guide rod, D) take-up system*

## Control Panel




*Control panel (inside the access door)*

| No. | Control | Recommended setting |
|---|---|---|
| **1** | Powder shaker speed adjustment | — |
| **2** | Rear-heating control | 70 |
| **3** | Powder recycling fan speed | 15 |
| **4** | Top heating (3 heating pipes) | 70 |
| **5** | Front heating | 80 |
| **6** | Power control board | — |
| **7** | Powder recycling control board — runs for 0.4 seconds every 6 seconds | — |
| **8** | Main power switch | — |

## Maintenance

**Caution:** Before any maintenance, turn off the power and wait for the machine to cool down.

- Keep the powder container clean, and make sure the dust cover does not move.
- Keep the equipment dry and clean.

## Operating Procedure

1. Install the shaker so it is level and lined up with the printer.
2. Turn on the machine's main power switch.
3. Let the machine warm up to the specified temperature.
4. Load the film according to the film path diagram.
5. Dry the print.

When you finish, turn off all heating switches first, then the main switch (see Safety Notice).

For full technical detail, refer to the complete manufacturer manual.

## Proper Operating Environment

Set up the equipment in conditions that match the requirements below. Each requirement is taken from the CobraFlex documentation named in brackets. Operating outside the machine's site specifications is not covered by the warranty.

| Requirement | Specification |
|---|---|
| **Electrical power** | 220 V, rated power 4,500 W. The ground wire must be connected before starting. The supply must match the machine's requirements, the supply wire gauge must meet the rated requirements, and the neutral wire must be connected correctly. [A1 Powder Shaker manual] |
| **Floor and space** | Net weight 115 kg (254 lb); size 66.8 × 94.5 × 105.5 cm (26.3 × 37.2 × 41.5 in). [A1 Powder Shaker manual] |
| **Level and alignment** | Install the shaker level with the printer and align it with the printer platform before use. [A1 Powder Shaker manual] |
| **Cleanliness** | Keep the equipment dry and clean; regularly remove accumulated powder from the edges of the machine. [A1 Powder Shaker manual] |
| **Static electricity** | People sensitive to static electricity should take personal protective measures. [A1 Powder Shaker manual] |
| **Site and relocation** | Site conditions must conform to the machine site specifications. Do not move the equipment without notifying CobraFlex or your dealer. [CobraFlex Warranty Terms and Conditions] |

## Warranty Summary

This is a summary of the CobraFlex Printers Warranty Terms and Conditions. The full terms are in the document *CobraFlex-CF-ALL-PRINTERS-DTF-UV-Printers-Warranty-Terms-and-Conditions-Rev2026-11.pdf* and online at https://cobraflexprinters.com/policies/terms-of-service; the full terms govern if anything here differs. CobraFlex Printers may change the warranty at any time.

- The CobraFlex Limited Warranty covers defects in material and workmanship under normal use and service for a period of one (1) or two (2) years, depending on the model and purchase agreement, from the original date of purchase, excluding wear-and-tear items and consumable parts. It is non-transferable and applies only to the customer who purchased directly from CobraFlex or an authorized CobraFlex dealer.
- Service support is remote (phone and virtual). On-site service and travel expenses are not covered. Support hours are Monday–Friday, 8:00 AM–4:00 PM Arizona time.
- Not covered: damage from accident, misuse, abuse, neglect, fire or water damage, electrical disturbances, loss or damage in transit, improper site preparation, operation outside the product specifications, and

unauthorized modification, maintenance or repair.

- Training: CobraFlex or its dealers provide training on proper operation and maintenance. Operators who are not properly trained are not covered.
- Moving the equipment without notifying CobraFlex or its dealer voids the warranty.
- It is the customer's responsibility to return parts to CobraFlex safely; parts damaged in shipping due to inadequate packing are not covered.

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