DTF Pro-Cure
Single Oven



User Manual

Revision 1.0

Original Instructions

ADKINS

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Revision History

Revision	Date	Description Of Changes
1.0	October 2026	Initial release for production

Introduction

Thank you for purchasing the Adkins DTF Pro-Cure Single Oven (hereafter called,“The Machine”)

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Caution

Adkins is in no way liable for any damages whatsoever (including but not limited to lost profit, indirect damage, special damage ,or other monetary damage) arising from using or inability to use the machine, except as provided In Adkins warranty provisions.
This applies even if Adkins has been informed of the possibility of such damages. For example, we cannot be held liable for any loss of media or other materials from using the machine, nor are we liable for any indirect loss caused by printed materials.
Please note that we are not liable for any financial damage or lost profits resulting from the use of the machine, or for any claims from third parties.

Requests

- This manual describes the operations and maintenance of the machine.
- Illustrations in the manual may be different from the appearance of some models.
- Read this manual carefully and make sure you understand it before use.
- Although every effort has been made to ensure the accuracy of the information in this manual, if you find any issues, contact your dealer.
- This manual is subject to change without notice for improvement.

CE Statement

This equipment has been tested and found compliant with the requirements set forth in the declaration of conformity.

Airbourne Sound Emission

During use the A-Weighted Sound Emission is 70db(A) or lower

Do not leave this machine unattended whilst in operation

Do not let unauthorized, unqualified or untrained people use machinery – never allow children to operate or help at the machine.

Product Appearance

Please note that the descriptions of the product appearance in the operating manual are primarily based on the product you actually receive. While ensuring the main functionality of the product remains unaffected, we continuously make subtle adjustments to the product appearance to achieve optimal design. These adjustments aim to enhance the overall look and feel of the product, providing you with an improved user experience.

In the case of significant changes, we will promptly notify you through the appropriate channels, ensuring that you stay informed about the latest product information.

Machines Intended Use

Fixation machine for direct-to-film transfer medias. Melting the fixing powder to the ink on the transfer film to produce a garment decoration transfer. The machine has built-in filtration and extraction for the removal of any by-products produced through the heating process. All components of the direct-to-film process are suitable for commercial use. The machine is only for the intended use stated above.
Any misuse of the machine outside of being used for fixation of direct to film powder or to direct to film medias is strictly ill-advised and not covered within the manufacturer’s warranty.
Inserting anything other than direct to film powder or direct to film media into the machine could lead to damage to the machine and injury to users of the machine.

The machine is designed to support one DTF film sheet. Up to max 400 x 600mm

The use of film outside these specified width ranges, or any use other than the intended application of a single DTF film sheet, falls outside the intended use of the system.

Safety Precautions

Symbols

In this manual, symbols indicate and explain precautions. The indicated symbol varies depending on the nature of the precaution. Make sure you understand the meaning of each symbol and use the machine safely and correctly.

Example of symbols

Meaning
 Failure to observe the instructions given with this symbol may result in death or serious injuries to personnel. Be sure to read the precaution carefully and use the machine accordingly.
 Failure to observe the instructions given with this symbol may result in injury to personnel or damage to property.
 Important notes regarding use of the machine are given with this symbol. Use as reference information.
 Indicates the corresponding page for related information.
 Indicates a precaution requiring attention (including cases of danger or warnings). Specific precautions are shown in the figure.
 Indicates a prohibited action. Specifically prohibited actions are shown in the figure.
 Indicates an action that must be taken or instructions that must be followed. Specific instructions are shown in the figure.

Warnings and precautions in use

Warning



The set of power cables provided with the machine is for use only with the machine and cannot be used with other electrical devices. Do not use any power cables other than the ones provided with the machine. Failure to observe these instructions may result in fire or electric shock.

Do not attempt to modify the cable and avoid damaging or breaking it. Placing heavy objects on, heating, or pulling the cable may damage it,which may result in fire or electric shock.

Avoid use in humid places. Additionally, do not pour water on the machine. Failure to observe these instructions may result in fire, electric shock, or failure.

Use of the machine under an abnormal condition, as when itis emitting smoke or fumes, may result in fire or electric shock. Turn off the power switch immediately and then be sure to unplug the machine from the outlet. Once you have confirmed that smoke is no longer being emitted, request repair from your dealer. Never attempt to repair the machine yourself. Doing so is hazardous.

Never disassemble or modify the machine. Failure to observe these instructions may result in electric shock or failure.

Do not use extension cords. Failure to observe these instructions may result in fire or electric shock.

Keep foreign objects such as pieces of metal away from the power plug prongs. Failure to observe these instructions may result in fire or electric shock.

Do not overload electrical outlets by using too many pieces of equipment. Failure to observe these instructions may result in fire or electric shock.

If the power cable is damaged or the core wire is exposed or broken, ask your service representative to replace it. Using it as is may result in fire or

Warnings and precautions in use

Warning

electric shock.
Do not handle the power plug with wet hands. Failure to observe these instructions may result in electric shock.
Always hold the power cable by the plug when unplugging the machine. Do not unplug by holding the power cable Failure to observe these instructions may damage the cable or result in fire or electric shock.
Do not use a voltage other than the indicated voltage. Failure to observe these instructions may result in fire or electric shock.
Do not use a power frequency other than the indicated frequency. Failure to observe these instructions may result in fire or electric shock.
If metal, water, liquid, or other foreign objects enter the machine, turn it off immediately. After that, be sure to unplug the machine and contact your service representative. Using it as is may result in fire or electric shock.



Keep the heater on the media tray surface free of dust and debris. Failure to observe these instructions may result in sparks or fires.
Keep children away from this machine.



Do not use a flammable spray or solvent inside or around the machine. Failure to observe these instructions may result in fire or electric shock from ignition.
Do not place vases, potplants, cups, cosmetics, containers of chemicals or water, or small metal objects on top of the machine. Liquid or foreign objects may get inside the machine, leading to fire or electric shock.

Precautions in use

Warning

Handling of the power cable



Plug into a polarized electrical outlet.
Always plug the power cable into an outlet near the machine, and make sure the power cable can be easily unplugged.
Regularly (at least once a year) unplug the cable and remove any dust on or near the power plug. Failure to remove dust may result in fire.
Do not use a voltage other than the indicated voltage.
Before plugging in the machine, check the outlet supply voltage and circuit breaker capacity. Plug each cable into a power source with an independent breaker. If you plug more than one power cable into an outlet that share the same circuit breaker, it may trip the breaker.



Notes on maintenance







Pay close attention to ventilation and be sure to wear safety glasses, gloves, and a mask when dealing with unused hot melt powder, airborne particles may enter the eyes or mouth. Please take precautions.

Moving part precaution



Keep fingers and other body parts away from hazardous moving parts.
Do not touch the tray rails when it is moving. Failure to observe these instructions may result in finger injury such as torn skin or fingernails.
Keep your head and hands away from moving parts during operation. Failure to observe these instructions may result in injury such as your hair becoming caught in the machine.
Wear suitable clothes. (Do not wear loose-fitting clothes or accessories.)
Keep long hair bound.



Precautions in use

Caution

Heater



Do not pour liquid on the media transport surface. Failure to observe these instructions may result in heater failure or sparks.
Do not touch the media tray surface with bare hands while the heater is hot. Failure to observe these instructions may result in burns.

Precautions and notes

Warning

Consumable items



Machine consumables, including hot melt powder and transfer film.
The machine's safety level is based on the use of Adkins recommended transfer film. To ensure operational safety, please use the transfer film recommended by Adkins.
If hot melt powder is brought from a cold place to a warm place, please let it sit at room temperature for at least three hours before use (refer to product info for full details).
Do not leave consumables exposed to the air for an extended period; if left open for along time, they may not transfer properly. If not in use, seal and store them.
Store consumables in a cool, dark place.
Keep consumables out of reach of children.
Once consumable packaging is opened, please use it within half a month. After a certain period of time, the transfer quality may decline. Refer to specific product details.
Please hand over unused consumables to your dealer or service representative. If handling them yourself, comply with the requirements of industrial waste disposal facilities and local regulations.

Warning

Notes on maintenance

Some parts of the machine require regular replacement.

Machine disposal

Contact your dealer or service representative for assistance when disposing of the machine. If you do dispose of it by yourself, request assistance from an industrial waste disposer.

Warning

Notes on maintenance

- Use in a room with as little dust as possible.
- Use in a room with as much ventilation as possible.
- **Important:** Regularly wipe the oil tank to keep it clean and prevent oil accumulation.
- Store transfer film in a bag. Wiping off dust accumulated on the media will adversely affect the media due to static electricity.
- When leaving the workshop after working hours, do not leave any media in the media tray. Dust will adhere to the media.

Warning

Handling of media

- Use recommended media. Please use the media recommended by Adkins to ensure reliable, high-quality transfers.
- Be aware of media expansion and contraction. Do not use media that has just been opened. The media may expand or contract depending on the room temperature and humidity. Open the package and allow it to adjust to the place of use for at least 30 minutes before loading it on the machine.
- Do not use curled media. Not only does this cause media jamming, but it also affects transfer quality. Straighten any media that is significantly curled before use. When rolling up regular-sized coated media for storage, make sure the coated side is facing outward.
- Set the heater temperature to suit media characteristics.
- Do not leave media loaded over extended periods with the heater on.
- With some types of media, under high temperature and humidity, it may affect the transfer. Be careful about where media is stored.
- With some types of media, if the media is left exposed to air, the ink-receiving layer may change, causing image defects such as blurred colours and bleeding.

Warning signs and mandatory signs

Warning signs



“Warning; electricity” and it is used to warn people about the risk of coming into contact with electricity (e.g. electric shock,electrocution hazard, hazardous voltage).



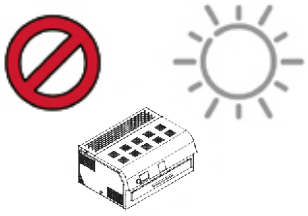
“Hot Surface” and it is used to warn people to take care to avoid coming into contact with a hot surface



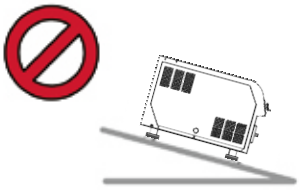
“Crushing Hazard” and it is used to warn people to take care to avoid coming into contact with moving parts during operation.

Installation precautions

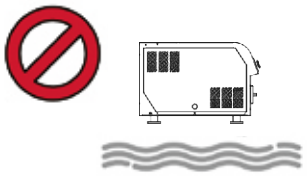
Places exposed to direct sunlight



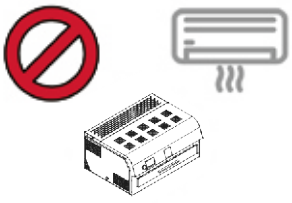
Places with uneven surfaces



Places where vibration is generated



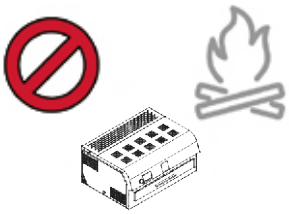
Places directly exposed to air conditioning



Places subject to significant changes in temperature or humidity



Places where open flames are present



Power Supply



Before connecting the machine to the power supply:

- Ensure the power supply matches the voltage and frequency specifications listed on the machines label.
- Only use properly earthed (grounded) outlets to avoid electric shock
- Verify that the circuit is protected by an appropriately rated fuse or circuit breaker to prevent overloading.
- Do not connect if the power cord or plug is damaged
- Turn off the power switch before plugging in.

If you are unsure about suitability of the power supply or circuit protection, contact a qualified local electrician for assistance. Failure to follow these instructions may result in electric shock, fire or damage to the machine



It is advised to connect the machine power to a circuit that has the correct power rating and RCD protection as to not overload the circuit. If you are unsure please contact your local electrician for electrical advice.

Before opening any panels on the machine please make sure all power has been isolated, to avoid the risk of coming into contact with electricity (e.g.electric shock, electrocution hazard, hazardous voltage).

Power Requiments

Power Consumption (W)	1700
Power Supply (V)	220-240
Current (A)	9 Average
Machine Fuse Rating (A)	15
Plug Socket Requiment	EU-16A / UK-13A

Weight & Dimenstions

Machine Size (cm)	88(w) x 43(h) x 67(d) cm
Net Weight (kg)	75
Shipping / Packaging size (cm)	93 x 72 x 50
Gross Weight (kg)	80
Feet Centres	44 (d) / 61 (w)
Front Foot to Rear Of Machine	55

Production Information

Operating Mode(s)	Manual Control
Max Media Size	600 x 400mm
Heating / Curing	0-140
Heating time	0-999
Max Temperature	140℃
Air Purification	Built-In Filtration and Extractior (Filters) HEPA / Carbon
Display	

Whats In The Box

Adkins Machine	x1
EU-16A Domestic Plug	x1
UK-13A Domestic Plug	x1
Electrical Cabinet Keys	x2

Unboxing and Placement

Unboxing

Before installing the machine, ensure that the required amount of space is available in the place under consideration.
The place of installation must have enough space for the machine as well as transferring tasks. See overleaf.





Place the box in a position that is flat and level, and that you remove the machine from the pallet.

Remove the securing banding. It is recommended that 2 people lift the lid upwards and over the machine, taking care not to damage . scratch the outer surfaces. The protective wrapper and packaging can be removed from the machine. Take note that all Feet are firmly on the bottom of the machine.

Installation

1. Position the machine close to the printer that's being used.

2. Connect the plug to a suitable plug socket **(DO NOT use an extension lead)** and switch on via the red on/off button (Right side of the machine) If the system does not turn on, make sure that the emergency stop is not engaged.

3. Ensure the power lead is not going to come into contact with any moving parts or any heat source and does not constitute a trip hazard.

(1)

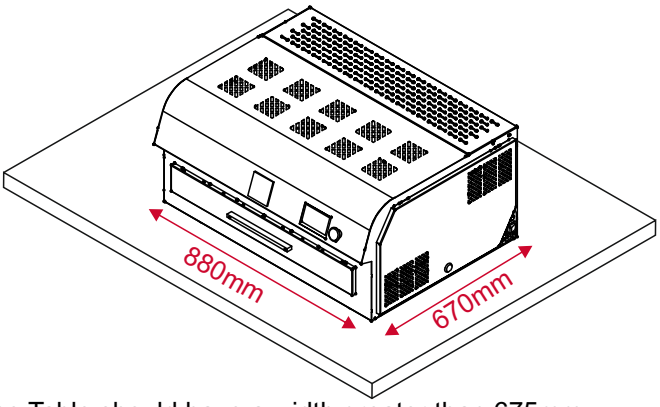




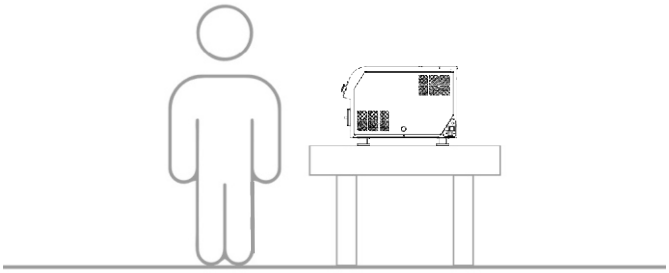
Placement

Before installing the machine, ensure that the required amount of space is available in the place under consideration. The place of installation must have enough space for the machine as well as transferring tasks.

Width	Depth	Height	Total wight
880mm	670mm	430mm	80kg



The Table should have a width greater than 675mm, a length greater than 850mm, and a load capacity of over 100kg



Temperature of working environment

To ensure reliable transfer, use the machine in an environment of 20-28 ºC.

Airborne Sound Emission

During use the A-Weighted Sound Emission is 70db(A) or lower.

Before use

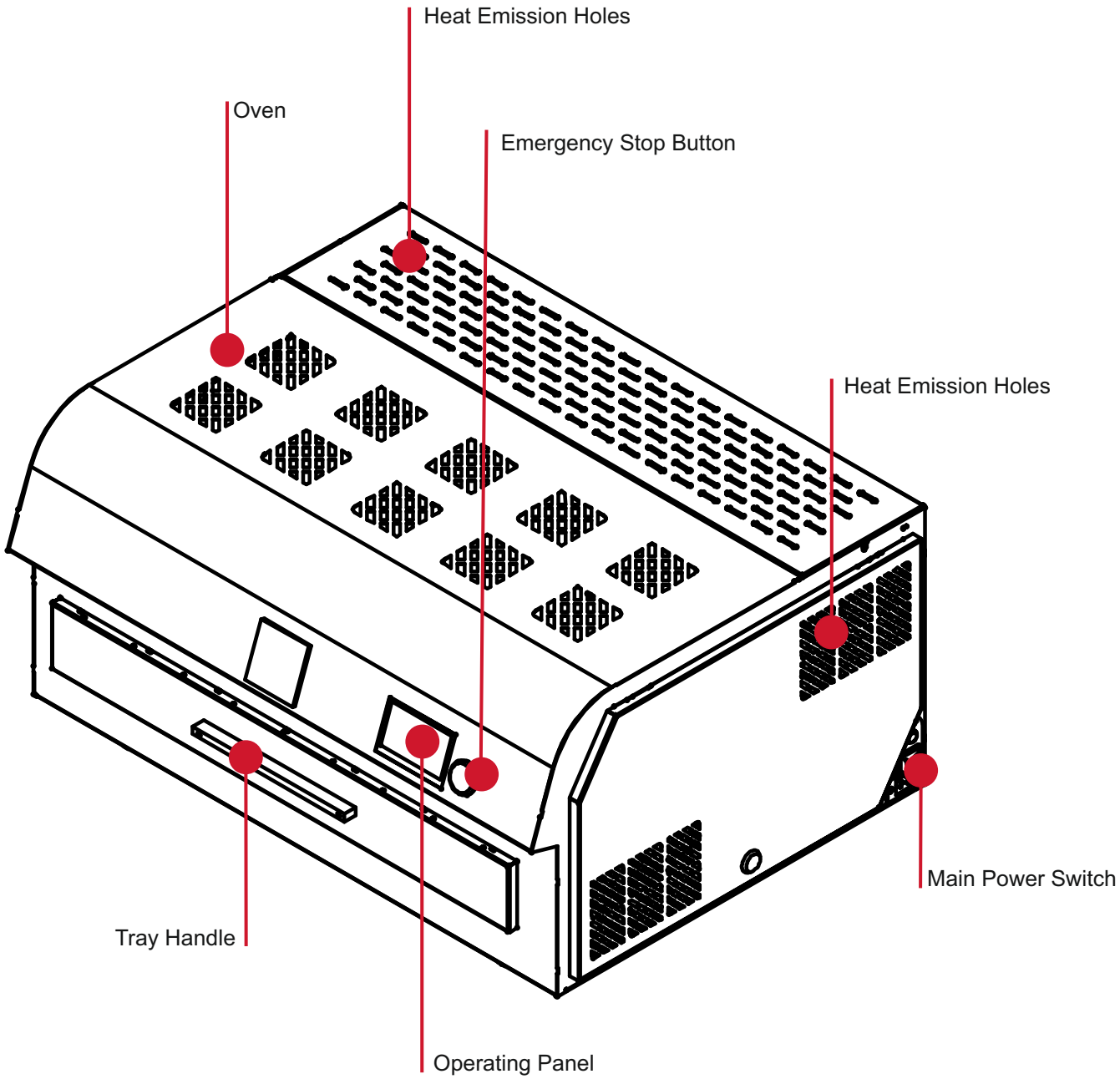
About this chapter

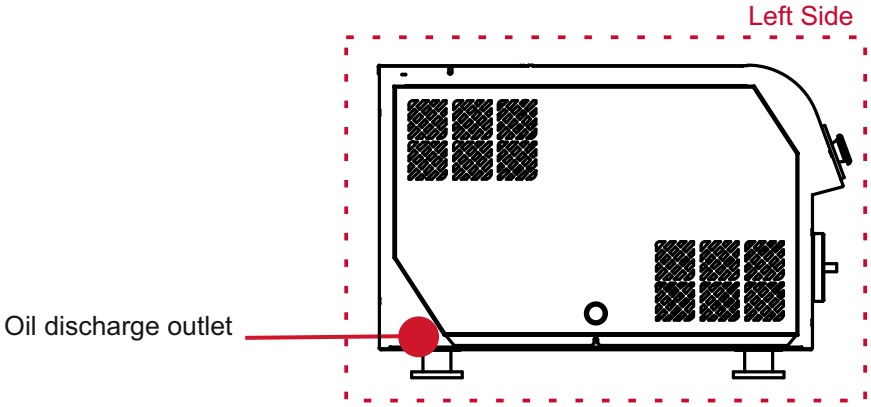
This chapter describes information to know before use, such as part names and installation instructions.

Chapter 1 - Before use

Part Names and Functions ---- 1-2
Front ---- 1-2
Operating panel ---- 1-3

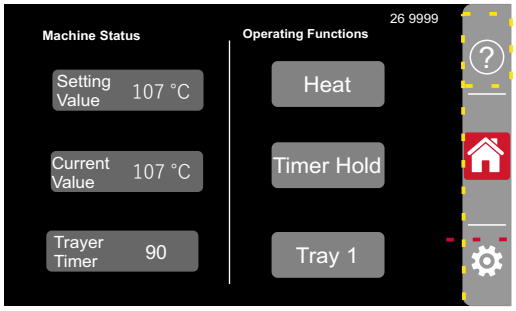
Part Names and Functions





Operating Panel

Use the operating panel to specify print settings or operate the machine.



Emergency Stop
Press to quickly and immediately halt the operation of the machine in case of an emergency or potential hazard

Intelligent touch display Shows the following items:
Oven temperature
Two Setting Functions (Heat / Timer Hold)
Tray Timer
Settings
Main menu

Main Menu Bar
Help / Settings

Function introduction

Icon	Details
Heat	To activate the machine's heating function.
Timer Hold	When the trays enter the oven, Press to stop the timer and it will not continue to countdown and keeps the trays inside
Tray 1	Toggle to control the tray to open / close

Grey — Off

Red — On

Temperature

Icon	Details
Setting Value	Shows the setting temperature of the oven.
Current Value	Shows the current temperature of the oven.

Basic operation

About this chapter

This chapter describes information about basic operation,such as how to load printing media, how to use auto mode and link mode correctly.

Chapter 2 - Basic Operations

Workflow ---------- 2-2
Turning the power on ---------- 2-3
Turning the power off ---------- 2-3
Loading Media ---------- 2-4
Settings Menu ---------- 2-4

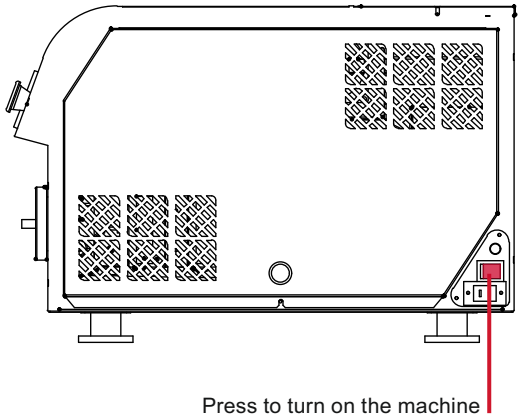
Workflow



Please notice
The machine used to demonstrate the workflow in this section differs from the actual model, but the overall workflow sequence remains the same.

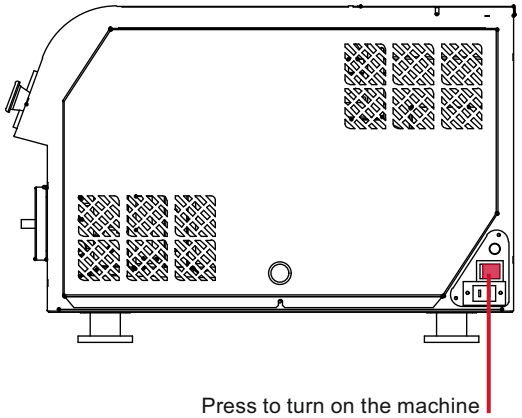
Turning the power on/off

Turning the power on



Press to turn on the machine

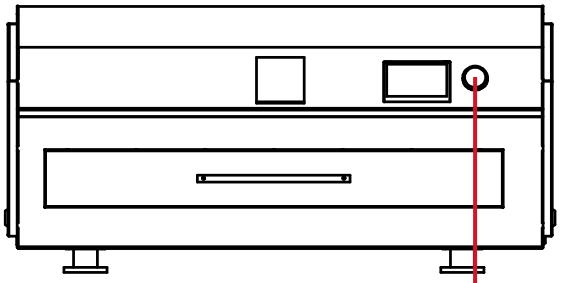
Turning the power off



Press to turn on the machine

Please ensure that the machine completes the transfer operation before turning off the power

Emergency stop



Press to activate. Rotate the button to the right to exit the emergency stop state

Warning

Emergency stop can be activated only in the following situations:

Emergency Scenarios: In case of emergencies or potential hazards, the emergency stop button or switch is used to quickly initiate the emergency stop. This rapidly halts all movements of the machine to prevent injuries or equipment damage.

Loss of Control: If the operator loses control of the machine and is unable to handle unforeseen circumstances, the emergency stop is employed to swiftly halt the machine operations.

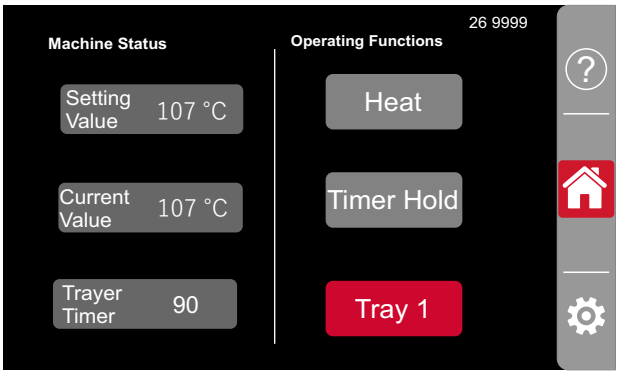
Equipment Malfunction: When there is a malfunction or abnormal operation of the equipment, the emergency stop helps prevent further damage and protects both operators and the equipment.

Safety Checks: During maintenance or safety checks,it may be necessary to activate the emergency stop to ensure the safety of personnel.

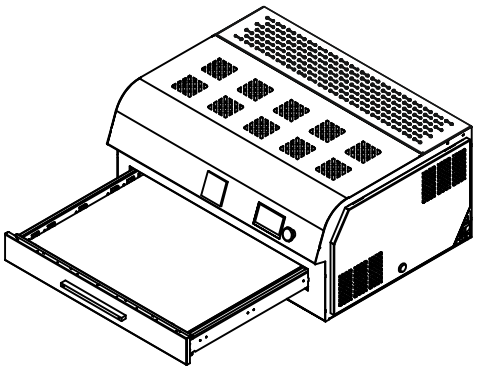
It's important to note that the emergency stop is intended for responding to urgent situations or ensuring safety, **so it should be used sparingly under normal circumstances.** After activating the emergency stop, a proper inspection and maintenance of the machine are usually required to ensure its safety and normal operation.

Loading Media

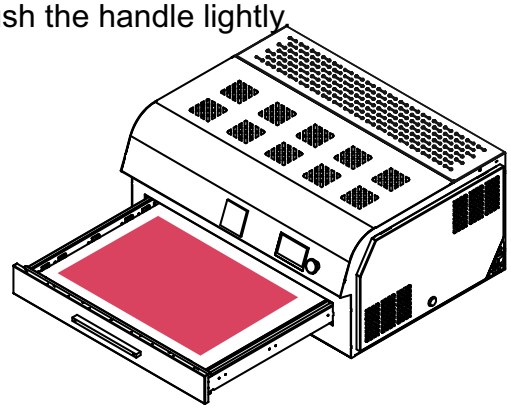
Open the Tray



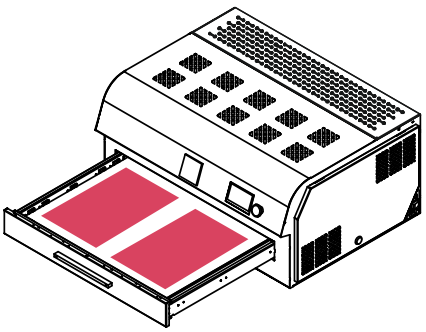
Press Tray 1 to open and close



If you need to open the tray manually, simply pull the tray handle gently, and the tray will open automatically. Similarity to close the tray manually just push the handle lightly

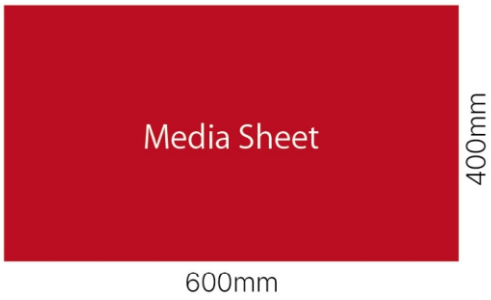


Multiple sheet can be placed on to any of the trays. i.e Two A3 sheets



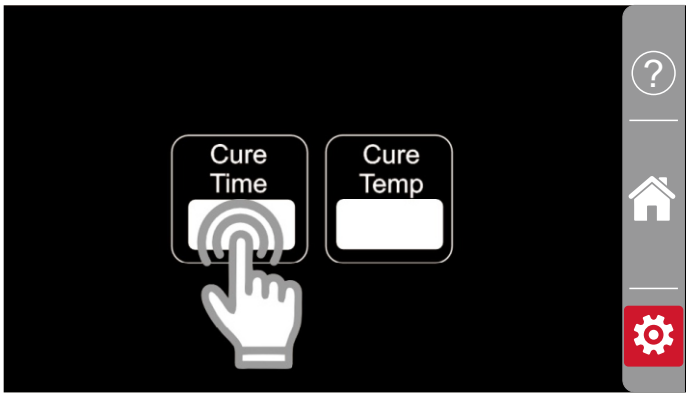
Size of the Media

Maximum sheet size 400 x 600mm



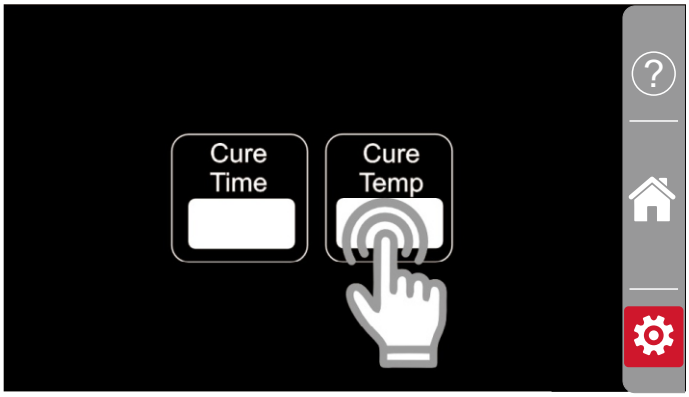
Settings Menu

Curing Time



Click the white box under “Cure Time” to input the desired curing time. The unit for input is in seconds. Value range 60-900 Seconds.

Curing Temperature



Click the white box under “Cure Temp” to input the desired curing time. The unit for input is in Celsius. Value range 50-140 C.

Maintenance Guidelines

About this chapter

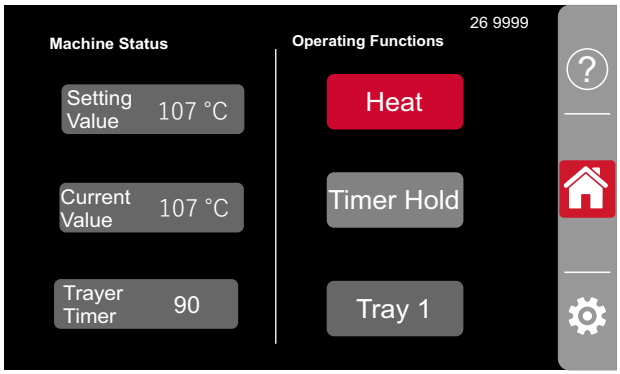
This chapter is about daily maintenance guidelines of themachine, properly maintaining the machine can extend its lifespan.

Chapter 3 - Maintenance Guidelines

Before use ---------- 3-2
After use ---------- 3-2
Oven cleaning ---------- 3-2
Filter box ---------- 3-3
Regularly replace the filter ---------- 3-3
How to replace filter box ---------- 3-3
Replacement cycle ---------- 3-3
Importance of Maintenance ---------- 3-4
Routine Maintenance ---------- 3-5

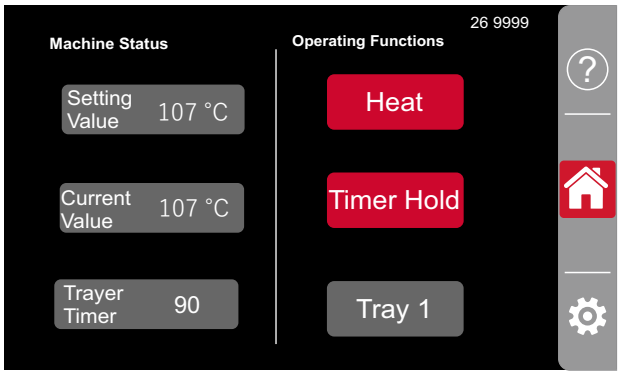
Due to the large amount of glycerine in the composition of DTF white ink, it is normal for oil and water condensation to appear on the metal surface after the machine is used. In order to prevent condensation from accumulating on the machine during long-term use, please follow the maintenance instructions below.

Before use



It is recommended to turn on the Heat function for 20 mintues before starting each work session to enhance the curing effectiveness.

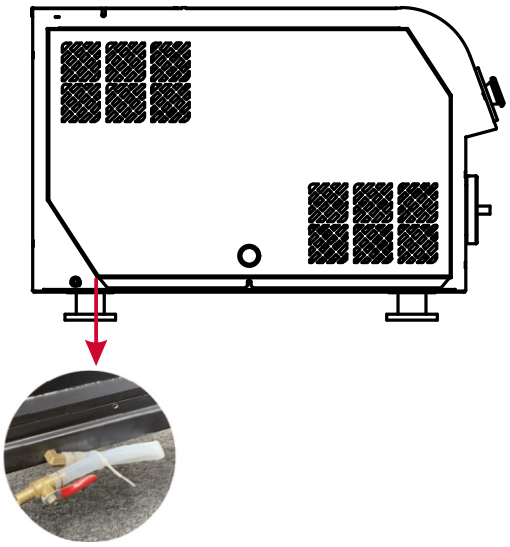
After use



After each day's work, be sure to activate the Heat function and Timer Hold for 15 minutes to reduce water and oil condensation.

If the weather is humid, and extra 10-15 minutes may be necessary.

Oven cleaning



Every two to three days, open the bottom valve of the filter to drain the collected oil.

Open the machine oven and wipe off the oil inside the oil guide groove and all internal surfaces.

Due to the build up of glycerine/ oil which comes from DTF ink it is extremely important that time is taken each day to thoroughly clean excess oil from all surfaces (including inside the lid/hood).The oil residue cannot be fully eradicated due to the oil particles becoming airborne, which forms condensation on various parts of the machine. Failure to clean the surfaces daily can result in oil build up and leakages from various parts of the system and can contribute possibly faults.

If you are experiencing excessive vapour coming out of the tray while they are opening. You will need to increase the cure time so the extraction is for longer.

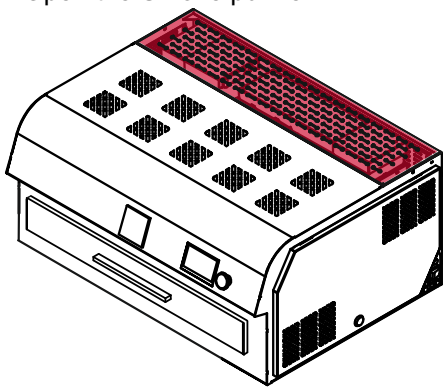
The heating time is divided into two parts. Heating and extraction, setting the time longer will extend the extraction time and will filter more vapour through the filters.
This is all artwork dependent and size of the sheets which are being cured.

Replace the filter regularly

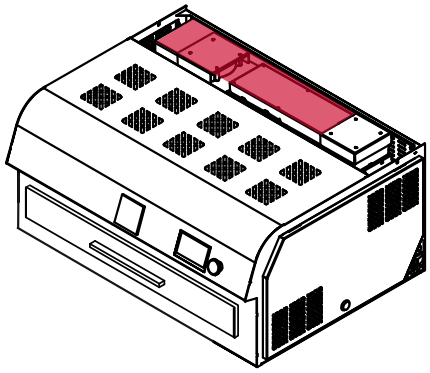
Replace the filter cartridge regularly according to the working condition, refer to the filter cartridge replacement guideline (as below):

1. How to replace the filter box

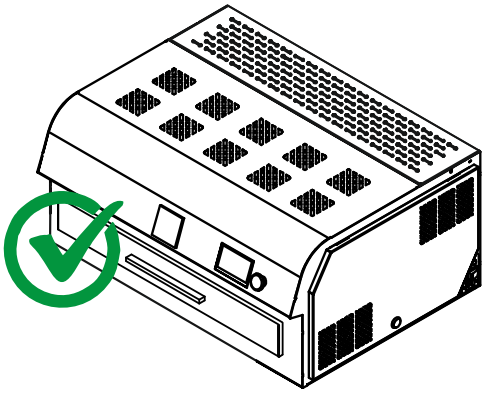
Open the Smoke purifier.



Loosen the screws securing the filter, box panel then to reveal the filters.



Pull the old filters out and install the new filters (Carbon at the bottom).



2. Replacement cycle

Use Status	Suggested Replacement Cycle
High Frequency Use	1.5 Months
Low Frequency Use	3 Months
If there is smoke	Replace the filters immediately

The lifespan of the filters depends on actual usage conditions and may be affected by factors including, but not limited to. the type of ink, Transfer film, hot melt powder, as well as environmental temperature and humidity.

Tips

1. The filter element is a consumable item and needs to be replaced regularly.
2. The filter element replacement cycle is not the quality shelf life of the product.
3. Due to different use scenarios and frequency of use, the filter element replacement cycle varies. The specific use is based on the actual use.
4. Replace the filter element in a timely manner to ensure that the smoke filter reaches the best working state.

The importance of DTF Machine Maintenance and Filter Replacement

An Adkins DTF machine is not just designed to apply powder and cure the powder and ink on the film.
It also must extract the by-product of the process (vapour) from the hood through the exhaust system and the medical grade filters.

The process of DTF innately creates a by-product of vapour, which can eventually condense into an oily liquid. This is from the glycerin in the white DTF ink which is required to ensure the ink is more viscous to avoid printheads from clogging. As this by-product is part of the DTF process, controlling this is the responsibility of both the shaker curing machine and the machine users.

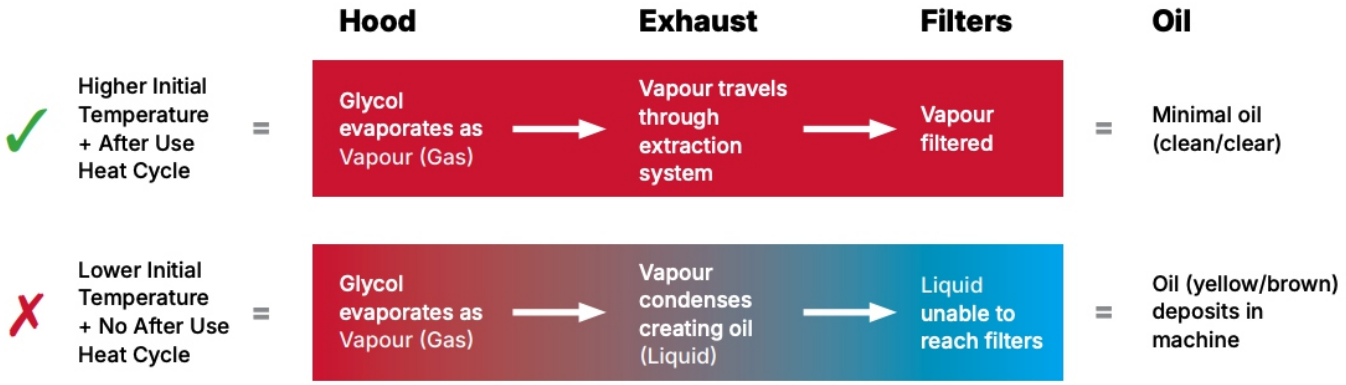
To effectively and efficiently do this, it's essential the machine is used and maintained correctly by following the DTF Curing Maintenance Guidelines.

Explanation:

It's important the vapour remains as a vapour (gas) as it flows through the extraction system, from the hood and through the exhaust and filters.

To do this, the temperature of the machine needs to be warm enough that at no point during the process the vapour cools enough to condense in an area that it shouldn't. If the vapour remains a gas it will pass through the system to the filters as intended.

If the machine and vapour cool it will condense into a liquid and not reach the filters, meaning oil deposits will sit in the machine. For example, the condensation point of steam is generally around 100 degrees therefore having the heat setting below at least 100 degrees will significantly increase the chance the vapour condenses into oil before reaching the filters.



Following production / use of an inline, it's essential a heat cycle is performed after a job is completed to aid the vapour through the system to the filters, rather allowing the machine to cool while the vapour is still inside as this will then create oil wherever the vapour finds cooler surfaces.

The filters of the machine are a consumable that need to be replaced because once they are full, the vapour cannot be filtered and therefore will remain in the machine. The vapour in the machine will condense into a liquid (oil) when the hot air in the machine cools down.

The machine is equipped with an oil collection chamber found beneath the filters to collect expected oil residue. This requires draining from the oil drainage tap which should be checked as part of the general machine maintenance and emptied regularly.

Filters should be replaced when one or more of the below happens first:
- Excess vapour or oil
- Drained oil becomes darker (not clear)
- 1.5–3 months depending on usage
- 400 hours of machine use

Summary:
The machine needs to be ran warm enough for the vapour to remain a gas through the extraction process, with a heat cycle (15-30mins) after use (8 hour period) to aid the removal of remaining oil/vapour.
Changing filters, wiping excess oil and draining collected oil is an essential part of the maintenance for the DTF curing machines. The machine maintenance will reduce machine downtime and increase the lifespan of your DTF curing unit.

If experiencing excess vapour or oil then it's important to change the filters, or after 400 hours of use / 1.5-3 months depending on usage.

Weekly (40 hour) Maintenance

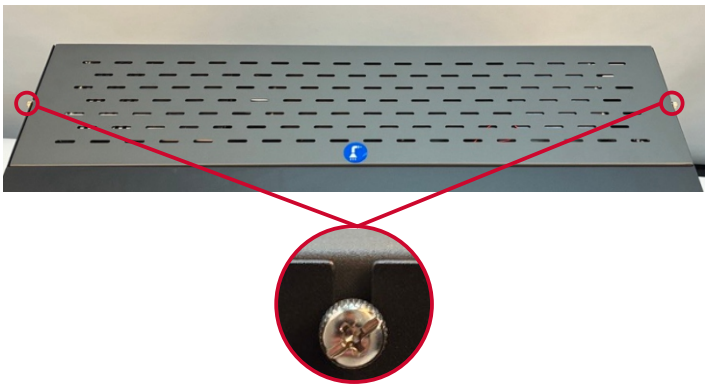
Cleaning under the filters

Glycol will build up in the area under the filters and in the extraction chamber. These areas should be cleaned regularly to prevent the glycol solidifying in these areas.

When cleaning inside the extraction box, wear appropriate PPE and avoid sharp edges.

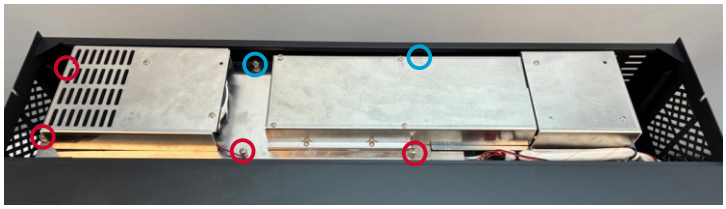
1

To access the area the filter chamber loosen the screws indicated and lift off the cover panel.



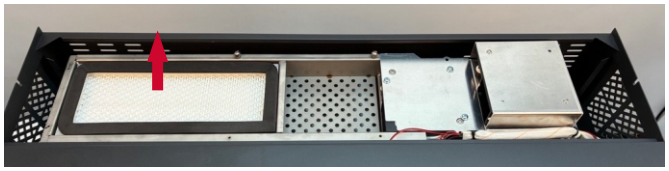
2

To access the filters remove the screws in **RED** and Loosen the **BLUE** screws to remove cover



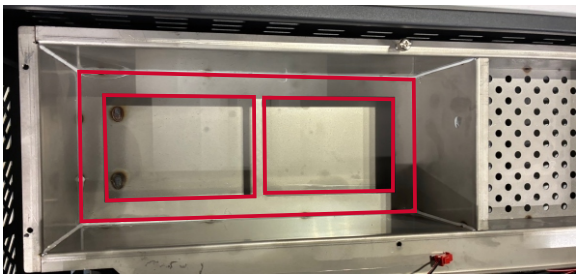
3

Remove the filters and wipe the gaskets and sides clean.



4

Then clean the area under the filters as indicated below.





Troubleshooting & Support

About this chapter

This guide aims to provide you with solutions to problems along with links to relevant supporting articles where available.

Chapter 4- Troubleshooting & Support

Troubleshooting ---------- 4-2,3
Where to find support ---------- 4-4
Parts Diagram ---------- 4-5,6

Problem	Cause	Solution
Machine will not turn on	The power cable is not connected to the machine	Securely connect the power cable to the machine socket
	Main power supply is turned off	Turn the main power supply on
	Power switch is turned off	Turn power switch on
	Mains socket is faulty	Try another 16A socket
	Circuit breaker has tripped.	Reset the mains circuit breaker
	Emergency stop button is engaged.	Disengage the emergency stop
	Connection to Thyristor board is compromised.	Check the screw connections at the thyristor board and trace back to the power socket.
Screen not turning on	No power to machine.	See **Machine will not turn on** above.
	Oil or powder ingress at rear of screen.	Clean screen PCB and perform machine maintenance.
	Cable unplugged or damaged.	Plug in or replace cable.
Machine trips when HEAT activated	Short circuit within the machine.	Unplug each element and fan connector individually from the thyristor to diagnose the short circuit. Replace faulty component.
Transfers are under cured	Set temperature is too low / set time is too short.	Increase the set temperature or the set time in the Settings menu.
	Drawer seal has perished.	Inspect the seal on the front section of the drawer and ensure it is not damaged. If it is mis-sharpen or worn, replace it.
	Ensure the drawer tightly on each side correctly to the oven chassis.	Check that each side of the drawer is pressed to the chassis when the drawer is inside the oven. If not adjust the gearing plate to level it off.
	Cycle started when actual temperature was not at the set temperature.	Ensure the actual temperature reading has reached the set temperature.
	The temperature is not regulated yet	Allow the oven to maintain the set temperature for 15-30 minutes.
Transfers are over cured	Set temperature is too high	Decrease the set temperature in the Settings menu.
	Extraction fans have failed	Check the extraction fans are working; replace if necessary.
	Heating process started when the actual temperature was not at the set temperature.	Make sure that the actual temperature reading has reached the set temperature reading.
	The temperature is not regulated yet	Allow the oven to maintain the set temperature for 15-30 minutes.

Problem	Cause	Solution
Glycol on mesh tray or on film when removed	Oil ingress inside the machine	Perform manual cleaning and a heat cycle for 30 minutes.
	Cure time is too quick	Increase the cure time (decrease the temperature if necessary) to allow the machine to extract vapour more effectively.
Excess smoke coming from the filter box	Filters not fitted correctly	Ensure the filters are fitted as per the User Manual.
	Filters are full and need replacing	As per the User Manual, replace the filters and clean the filter housing.
	Manual clean is required	As per the User Manual, carry out a manual clean and heat cycle cleaning any visible glycol.
Not curing evenly	Ensure the drawer tightly on each side correctly to the oven chassis	Check that each side of the drawer is pressed to the chassis when the drawer is inside the oven. If not adjust the gearing plate to level it off.
	A heating element is faulty / not connected correctly	Ensure the connections are securely in place. Identify the faulty element and replace. **Some elements are carbon so will not illuminate like others. These can be tested by using a heat probe.**
Oven not heating up	***Heat*** function not activated	Activate ***Heat*** and make sure the set temperature is accurate.
	A heating element is faulty / not connected correctly	Ensure the connections are securely in place Identify the faulty element and replace. **Some elements are carbon so will not illuminate like others. These can be tested by using a heat probe.**
Drawer motors are noisy / stuck	Gearing has become misaligned.	Remove the drawer and check that the teeth on the side plate are equal when pushed in/out.
	The drawer is obstructed.	Locate and remove the obstruction.
Excess smoke coming from the drawer as it opens	Cure time is too short.	Lower the Heat temperature and increase the Cure time.
	Extraction fans have failed.	Check that each fan is working.
	Filters are full or blocked.	Inspect the filters for oil ingress, replace it necessary.
Actual temperature changes when Set temperature is adjusted	Temperature is not completely calculated yet.	Allow the oven to maintain the Set temperature for longer.

Lines displayed in Red will require Adkins Dealer assistance.

Where To Find Support

Technical Support is available directly to end user from multiple sources. It is important that they are aware how to access support if they need to.

1. User Manual
You can find the most up to date User Manual for the machine on the Adkins website (*https://www.adkinsmachines.com*)
These are available in multiple languages translated from english. There are also specific troubleshooting guides avaliable for each machine at the end of the user manual.
these can be found here *https://www.adkinsmachines.com/manuals*

2. Technical Support Articles
There are a wide range of technical support articles available on the Adkins support website
https://support.adkinsmachines.com/en/support/home

3.YouTube Playlist
There is a dedicated Adkins Youtube channel including videos displaying a range of procedures covering maintenance, pre print preparations, operating check etc.

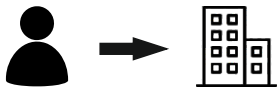
4.Contact the Adkins Reseller
Adkins resellers are responsible for the initial support and troubleshooting if problems arise.
There are dealer engineer only troubleshooting guides available on the Adkins dealer portal for each specific machine.

5.Raise a Support Ticket With Adkins Support.
Once the problem has been raised with the Adkins reseller, the reseller can then raise a ticket with Adkins on the Adkins Support site. Adkins can then communicate with the Adkins reseller to find a solution for the end user.

Technical Support Workflow

Follow the steps below to get the right support, as quickly as possible.

1 End User → Adkins Reseller



Contact your Adkins reseller as the first point of contact for technical support and troubleshooting.

The Reseller will:
-Receive and assess the reported issue.
-Provide initial troubleshooting and technical support.
- Guide you through appropriate checks and procedures.
-Use the relevant dealer and engineer support documentation.
-Determine If the issue can be resolved locally or needs escalataion

2 Adkins Reseller → Adkins Support



If the issue cannot be resolved by the reseller, the reseller can raise a support ticket with Adkins Technical Support

When raising a ticket, please provide:
-Machine details (Model, Serial number
-Fault symptoms and description of the issue.
- Troubleshooting already completed.
- Any supporting photos or documentation

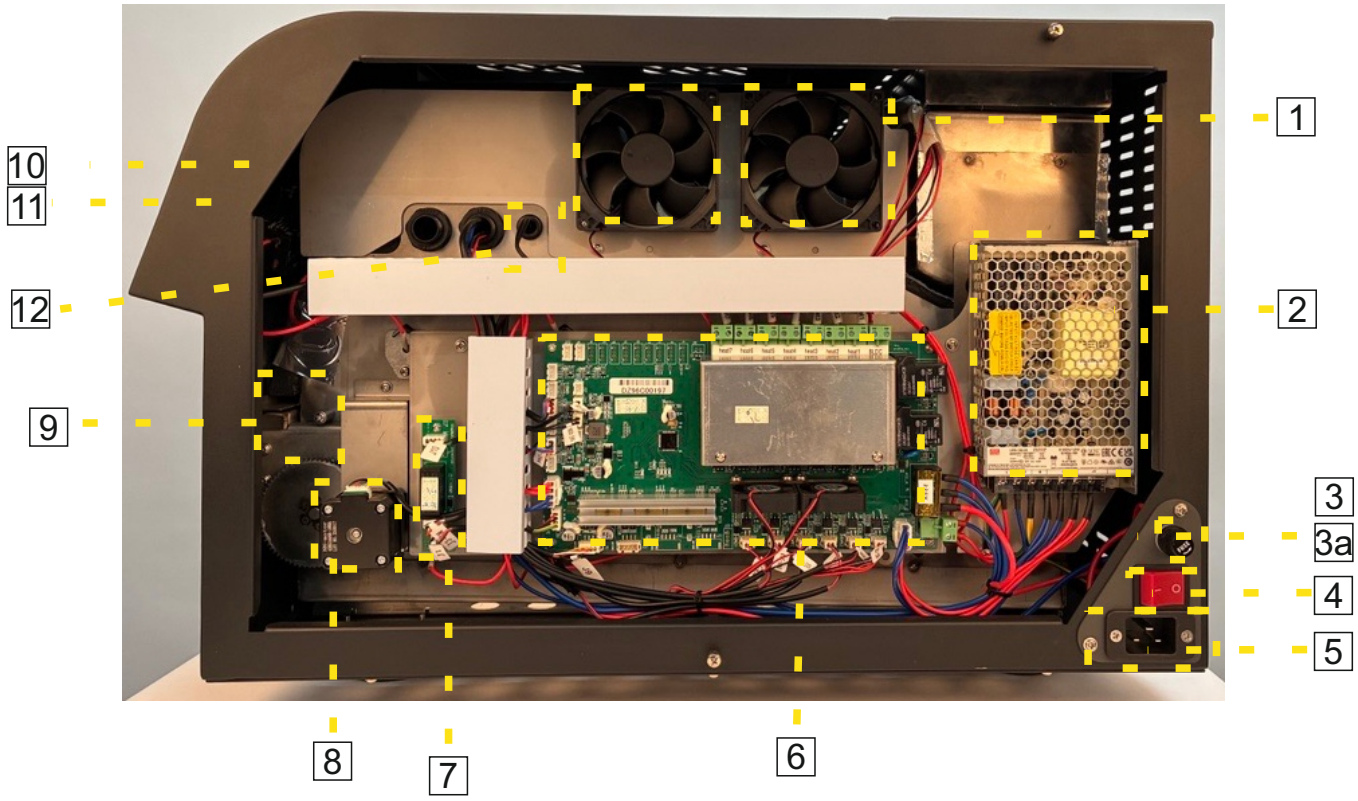
3 Adkins Support → Adkins Reseller



Adkins Technical Support will work with the reseller to investigate the issue and provide further technical guidance or a suitable solution.

The Reseller remains responsible for:
- Commucating with the end user throughout the process.
-Implementing the guidance or solution provided by Adkins Support

Important
Always contact your Adkins reseller first
Adkins Technical Support tickets should be raised by the authorised Adkins reseller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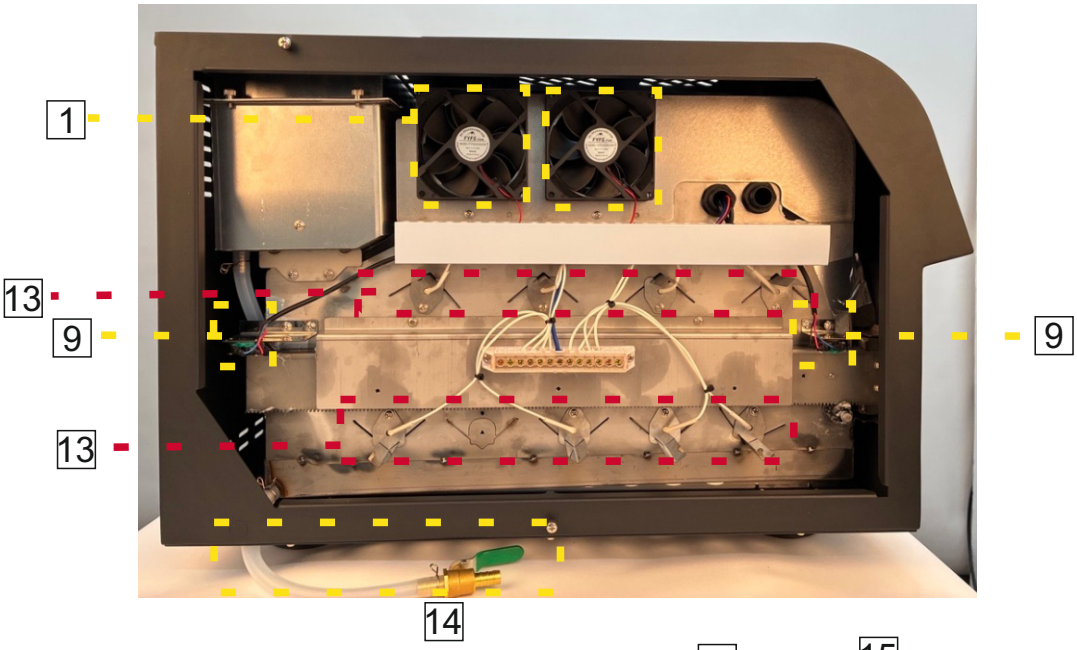
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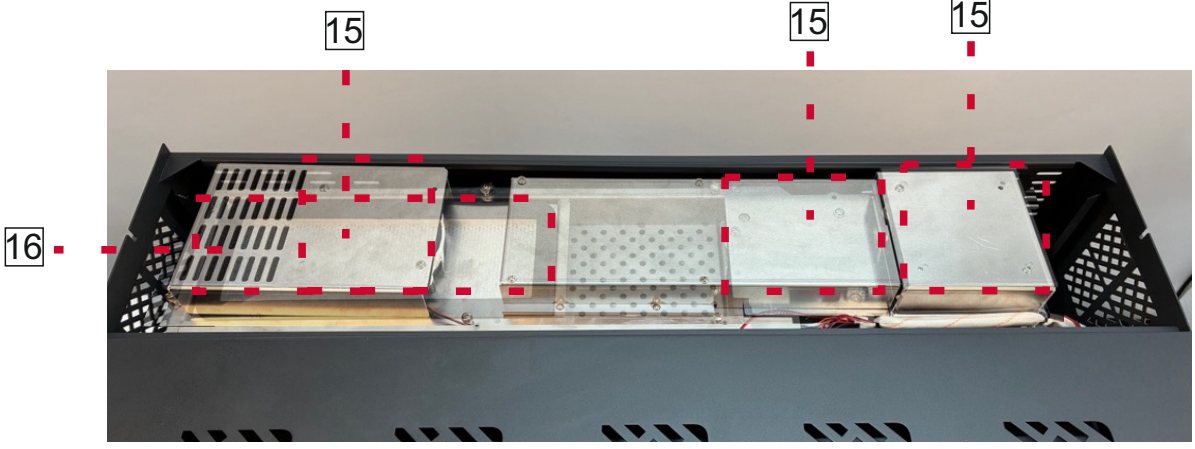
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Diagram Number	Adkins Part Name	Adkins Code
1	Adkins DTF Axial Fan (0.2a)	XP1350AF
2	Adkins DTF Oven 24v(6.5a) Mini Power Supply	XP1355PS6A
3	Adkins DTF Fuse Holder	XP1354FH
3a	Adkins DTF 15amp Fuse	XP1354F
4	Adkins DTF Cure Oven Power Switch	XP1355MPS
5	Adkins DTF Cure Oven Power Socket	XP1355MPS
6	Adkins DTF Single Cure Oven Thyristor & Control Board	ADK254CBT
7	Adkins DTF Step Switch Board	XP1356SB
8	Adkins DTF Motor 10 Teeth 19WDA	ADK250M10T
9	Adkins DTF Pro-Cure Single Oven Microswitch	ADK254MS
10	Adkins DTF Pro-Cure Single Oven Touch Screen	ADK254TS
11	Adkins DTF Single Oven Emergency Stop Button	ADK254ES
12	Adkins DTF Temperature Detection Line	XP1350TD
13	Adkins DTF Carbon Element	ADK254CE
14	Adkins DTF Oil Drain Tube and Valve	XP1354OTV
15	Adkins DTF Suction Fan (0.9a)	XP1350PSF09
16	Adkins DTF Cure Oven Mini Extraction Filters (2 Units)	XP1355SEF

Warranty and Declaration

About this chapter

This chapter is about the warranty and declaration of the machine

Chapter 5 - Warranty and Declaration

Warranty and Declaration ---------- 5-1
Design Change ---------- 5-2
Warranty ---------- 5-3
Installation Risk Assessment ---------- 5-4
Machine Risk Assessment ---------- 5-6
Declaration of Conformity ---------- 5-8

Design Change

With the policy of constant improvement and / or modification to meet changing conditions, the right is reserved to change the design and / or specifications at any time without prior notification, and therefore specifications may vary and not be in accordance with this manual.

Guarantee (Limited Warranty)

Adkins warrants that the machine is free from defects in material and workmanship for a period of 12 months from the date of supply. The machine comes with a one-year warranty on parts.

This warranty covers all parts to repair the defects, except when damage results from misuse or abuse, accident, alteration or negligence or when a machine has been improperly installed.

If a machine covered by warranty should need to be returned to the factory for examination or repair, where an on-site component replacement is not possible, Adkins will make every effort to repair the customer's machine. The warranty will only be effective when Adkins authorises the original purchaser to return the machine to the factory and only when the product examination has proven the machine to be defective.

Should any part of the machine be found defective in materials or workmanship, it will be replaced by the supplying dealer, distributor or the manufacturer depending on geographical agreements, provided that the machine has been installed, maintained as per the guidance, operated in the correct manner and not subjected to misuse. Whilst in warranty, any non-consumable replacement parts will be provided free of charge by Adkins to the supplying dealer/distributor. Additional costs associated with, but not limited to, labour and travel will be at the discretion of the supplying dealer and/or distributor. In exceptional circumstances, if Adkins authorise a replacement machine, the warranty of the replacement machine shall expire on the anniversary date of the original machines invoice to the end user or the installation date logged via the 'warranty activation form' by the Adkins dealer.

For the warranty to be effective, no return of machine or parts may be made without prior authorisation. This will exclude any travelling and/or carriage costs which will be charged at our discretion.

Replacements parts purchased, when outside of the original 12 months machine warranty, receive a 6- month parts warranty, provided that the part and machine have been installed, maintained as per the guidance, operated in the correct manner and not subjected to misuse.

This is the sole warranty given by the company; there are no warranties, which extend beyond the description on the face hereof. The seller disclaims any implied warranty of merchantability and/or any implied warranty of fitness for a particular purpose; the buyer agrees that the goods are sold "as is".

The sole purpose of the machine is to be used for direct-to-film (DTF). Outside of this use Adkins does not warrant the machine. The entire risk of use, operation and/or maintenance of the machine lies with the end user. No claim of any kind shall be greater than the sale price of the product or part to which the claim is made.

In no event will Adkins be liable for any injury, loss or damage, including loss of profits, destruction of goods or any special, incidental, consequential or indirect damages arising from the use of the machine or accompanying materials. This limitation will apply even if Adkins or its authorised dealer/distributor had been advised of the possibility of such damage.

INSTALLATION RISK ASSESSMENT

Area / Task for assessment: Installation of Adkins Inline compact 600 / 900 DTF powder shaker with built in extraction

The guidance contained within this prepared assessment form will provide recommendations and indicate what action should be taken where hazards are identified.

Hazards Identified	Persons at risk and how	Manufacturer r ecommended control measures	Current risk			Recommended action necessary
			L	C	S	
Trip and slip	Persons installing machine Could slip, trip, fall when moving/lifting goods	Engineer visually checks environment and has adequate PPE.	1	3	3	Persons receive sufficient training Keep environment around the machine tidy
Manual handling	Persons installing machine Improper lifting techniques.	Training in manual handling techniques. Weights and dimensions listed within product manual. Recommended personnel required to lift details within user manual. Installation ramps included for ease of removing from pallet.	1	3	3	Person s be trained in manual handling techniques.
Electric shock	Persons installing machine Shock from electrical circuit boards.	Isolate power supply if needed. Caution signage on display. Screw locked cover for electrics.	1	5	5	Persons be trained sufficiently in electrical safety and locations of highest risk of electric shock.
Exposure to harmful isocyanates	Persons installing machine use of DTF powder risks exposure to isocyanates.	Training in the risk of exposure to isocyanates and sufficient product knowledge. PPE worn when necessary. Relevant H&S signage in place and/or explained in operator's manual.	2	4	8	Ensure that there is appropriate PPE at all times and that staff adhere to any applicable procedures.
Burns	Persons installing machine burns from heat element and exposure.	Caution signage on display and explained in operator's manual. Protection from heat elements in place.	2	4	8	Ensure provision of a burns kit.
Moving parts	Persons installing machine risk of injury or loss of limbs from moving parts.	Majority of moving parts are covered, meaning exposure is minimised.	1	4	4	Persons be trained sufficiently and adhere to any applicable procedures.

Risk Level	LCS Risk Score
LOW	< 8.00
MEDIUM	8.00-14.99
HIGH	> 14.99

Average Risk Score	5.17
Overall Risk Rating	LOW

'CURRENT RISK' LCS SCORE SCHEME

Overall Risk	Likelihood					
Consequence	Score	1 (Improbable)	2 (Unlikely)	3 (Possible)	4 (Likely)	5 (Almost Certain)
	1 (Negligible)	LOW	LOW	LOW	LOW	LOW
	2 (Minor)	LOW	LOW	LOW	MEDIUM	MEDIUM
	3 (Moderate)	LOW	LOW	MEDIUM	MEDIUM	HIGH
	4 (Major)	LOW	MEDIUM	MEDIUM	HIGH	HIGH
	5 (Catastrophic)	LOW	MEDIUM	HIGH	HIGH	HIGH

The overall score (Score (S)) is determined by multiplying the Likelihood (L) and the Consequence (C) for each Hazard Identified and taking the average score. A Score (S) below 8.00 is considered a low overall risk; a Score (S) between 8.00-14.99 is considered a medium overall risk; and a Score (S) above 14.99 is considered a high overall risk.

'Current risk' scores and the 'Current risk' LSC Score Scheme are only suggested by Adkins* and encourage all users to perform their own risk assessment based on their specific environment and circumstances.

Adkins* does not take responsibility for any action (or non action) taken as a result of adhering or not adhering to recommendations listed in the 'Recommended further action' section.

Adkins* does not take responsibility for any consequence arising from actions in the 'Recommended further action' section, including death or injury through negligence.

**Adkins is a division of and trades as Charterhouse Holdings plc, Oakridge Park, Trent Lane, Castle Donington, DE74 2PY, United Kingdom.*

MACHINE USAGE RISK ASSESSMENT

Machine assessed: Adkins Inline	DTF powder shaker with builtin extraction

The guidance contained within this prepared assessment form will provide recommendations and indicate what action should be taken where hazards are identified.

Hazards Identified	Persons at risk and how	Manufacturer-implemented control measures	Current risk			Recommended further action
			L	C	S	
Electric shock	Persons working with machine – Shock from electrical circuit boards.	Emergency Stop Button. Screw locked cover for electrics. Caution signage on display.	1	5	5	Users be trained sufficiently in electrical safety and locations of highest risk of electric shock.
Manual handling	Persons working with machine – Improper lifting techniques.	Lockable wheels fitted to aid with movement of machine. Installation ramps included for ease of removing from pallet.	1	3	3	Users be trained in manual handling techniques.
Exposure to harmful isocyanates	Persons working with machine – use of DTF powder risks exposure to isocyanates.	Built-in extraction system for filtration of isocyanates. Cover placed over the powder trough. Outlined the risk of exposure to isocyanates. Relevant H&S signage in place and explained in operator's manual.	2	4	8	Ensure that there is appropriate PPE at all times. Users be trained sufficiently and adhere to any applicable procedures.
Burns	Persons working with machine – burns from heat element and exposure.	Caution signage on display and explained in operator's manual. Protection from heat elements in place.	2	4	8	Ensure provision of a burns kit.
Moving parts	Persons working with machine – risk of injury or loss of limbs from moving parts.	Majority of moving parts are covered, meaning exposure is minimised. Caution signage on display and explained in operator's manual.	1	4	4	Users be trained sufficiently and adhere to any applicable procedures.

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Risk Level	LCS Risk Score
LOW	< 8.00
MEDIUM	8.00-14.99
HIGH	> 14.99

Average Risk Score	5.60
Overall Risk Rating	LOW

'CURRENT RISK' LCS SCORE SCHEME

Overall Risk	Likelihood (L)					
Consequence (C)	Score (S)	1 (Improbable)	2 (Unlikely)	3 (Possible)	4 (Likely)	5 (Almost Certain)
	1 (Negligible)	LOW	LOW	LOW	LOW	LOW
	2 (Minor)	LOW	LOW	LOW	MEDIUM	MEDIUM
	3 (Moderate)	LOW	LOW	MEDIUM	MEDIUM	HIGH
	4 (Major)	LOW	MEDIUM	MEDIUM	HIGH	HIGH
	5 (Catastrophic)	LOW	MEDIUM	HIGH	HIGH	HIGH

The overall score (Score (S)) is determined by multiplying the Likelihood (L) and the Consequence (C) for each Hazard Identified and taking the average score. An Score (S) below 8.00 is considered a low overall risk; a Score (S) between 8.00-14.99 is considered a medium overall risk; and a Score (S) above 14.99 is considered a high overall risk.

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CHARTERHOUSE HOLDINGS PLC

EU DECLARATION OF CONFORMITY

Application of Council Directives:	European Low Voltage Directive **(LVD)** European Machinery Directive **(MD)**, Electro Magnetic Conformity **(EMC)**
Standards to which Conformity is Declared:	**(LVD): EN 60204-1:2018** **(MD): EN ISO 12100:2010 2006/42/EC Annex1** **(EMC): EN 61000-6-2:2019**
Manufacturer's Name:	**Charterhouse Holdings Plc**
Manufacturer's Address:	Oakridge Park, Trent Lane, Castle Donington, Derby, DE74 2PY United Kingdom.
Type of Equipment:	Adkins DTF Oven
Standards Compliance:	RoHS CE
Model Number:	Pro-Cure Single Oven

I, the undersigned, hereby declare that the equipment specified above conforms to the above directives and standards.

Place: Castle Donington, United Kingdom

Signature: M. S. Carter

Full Name: Miles Carter
Position: Chief Executive

European Union Authorized Representative

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