DTF Pro Cure Oven

User Manual

Revision 3.0

Original Instructions

ADKINS

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Introduction

Thank you for purchasing the Adkins DTF Pro-Cure Oven (hereafter called, " The Machine").

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.

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

Automatic powdering and fixation machine for direct-to-film transfer media. Applying and 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 is suitable for commercial use.
The machine is only for the intended use stated above. Any misuse of the machine outside of being used for the powdering and fixation of direct to film powder or to direct to film media is strictly ill-advised and not covered within the manufacturers 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.

Airborne 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 unauthorised, unqualified or untrained people use machinery – never allow children to operate or help at the machine.

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.
 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 it is 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 he 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 electric shock.

Warnings and precautions in use

Warning

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 transport 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, pot plants, 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

Caution

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 dusting roller when it is rolling. 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 transport 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 a long 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.

Components requiring periodic replacement

Some parts of the machine require regular replacement.

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 on the roll hanger. 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 in 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.

Machine disposal

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

Warning signs and Mandatory signs

Warning Signs

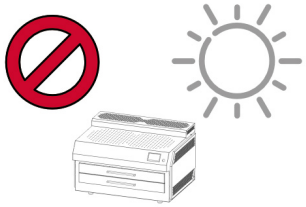
"Warning; electricity" and it is used to warn people about the risk of coming into contact with electricity (e.g. electric shock, electrocution hazard, hazardous voltage).

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

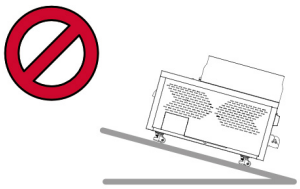
"Crushing Hazard" and it is used to warn people to take care to avoid coming into contact with moving parts during operation.

Installation precautions

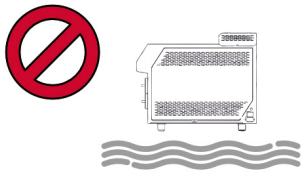
Places exposed to direct sunlight



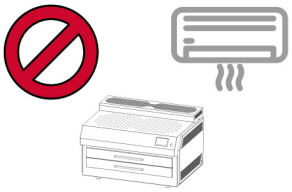
Places with uneven surfaces



Places where vibration is generated

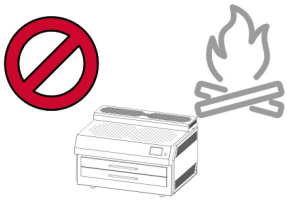


Places directly exposed to air conditioning



Places subject to significant changes in temperature or humidity

Places where open flames are present



Unboxing and installation

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.

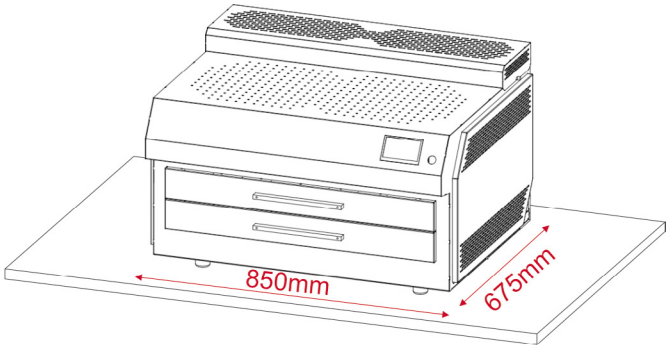
2. Connect the plug to a suitable plug socket (DO NOT use an extension lead) and switch on via the red on/off button (Right side of the machine) If the system does not turn on, make sure that the emergency stop is not engaged.

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.

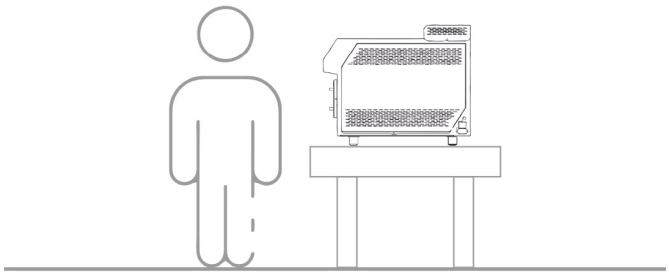
Places of installation

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
850mm	675mm	540mm	85kg



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
Fronts 1-2
Operating panel 1-3
Media Tray 1-4,5
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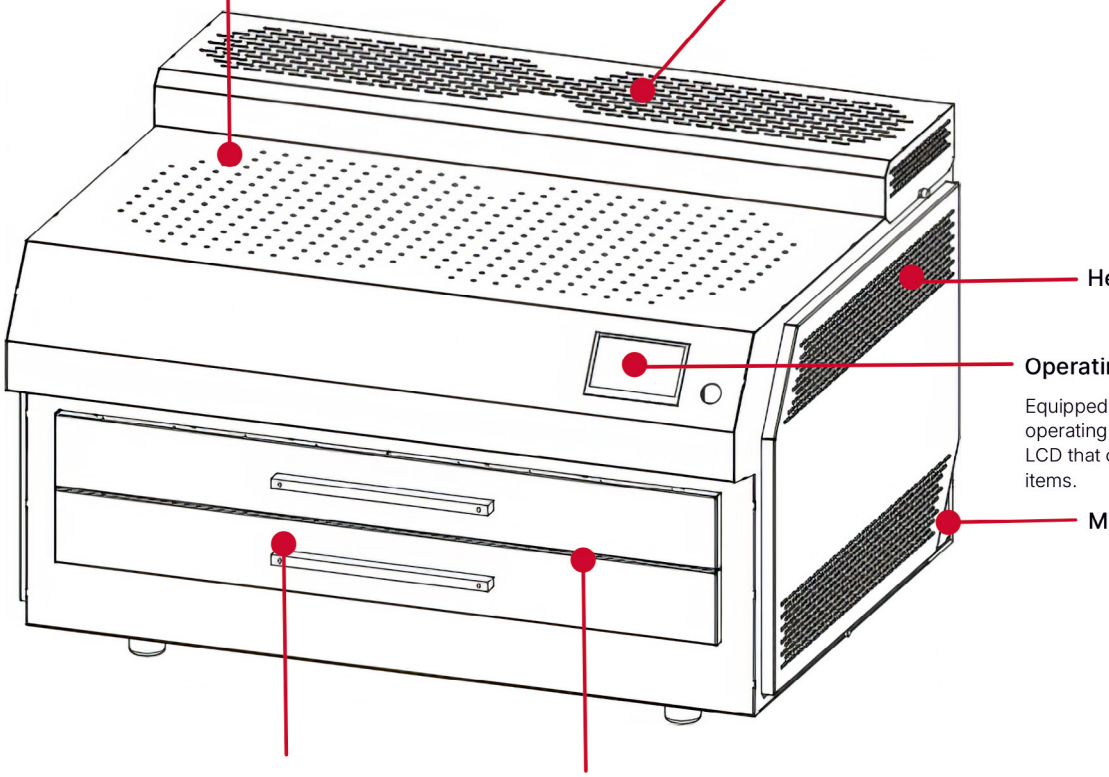
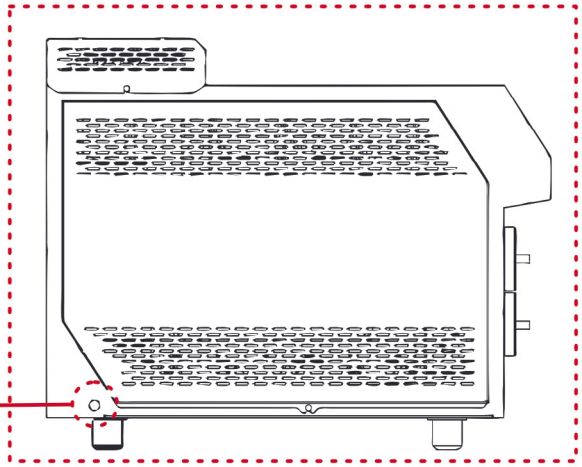
Part Names and Functions

Front

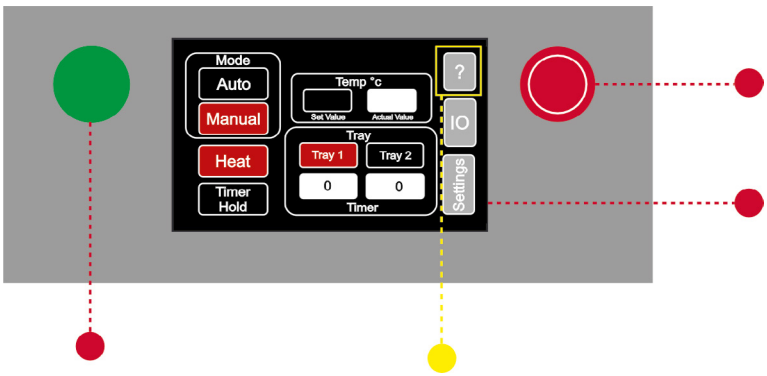


Left surface



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:

- Auto/manual mode
- Oven temperature
- Two Setting Functions (Heat / Timer Hold)
- Tray Timer (Tray 1 / Tray 2)
- Input/Output setting
- Settings
- Main menu

Main Power
Press to turn on/off the machine

Main Menu Bar
Help / IO / 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. To start the operation/suction of the Vacuum roller.
Tray 1	Toggle to control the top tray to open / close (Only in manual mode).
Tray 2	Toggle to control the bottom tray to open / close (Only in manual mode).

Black	Red
Off	On

Temperature

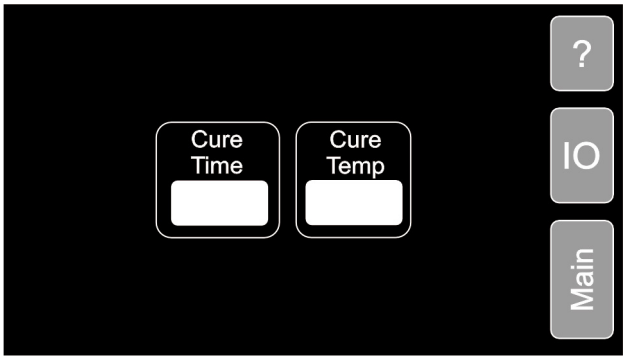
Icon	Details
Set Value	Show the setting temperature of the oven.
Actual Value	Show the current temperature of the oven.

Auto/Manual mode

Auto mode:
When oven temperature conditions have reached the specified temperature, automatic transfer mode, allowing one person to operate multiple trays simultaneously.

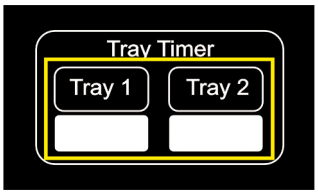
Manual mode:
In manual mode, the machine allows adjustment of various parameters, enabling real-time monitoring and adjustment of machine operations giving full manual control.

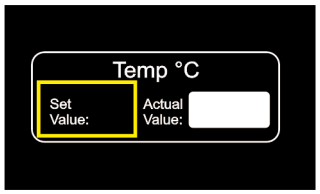
Settings



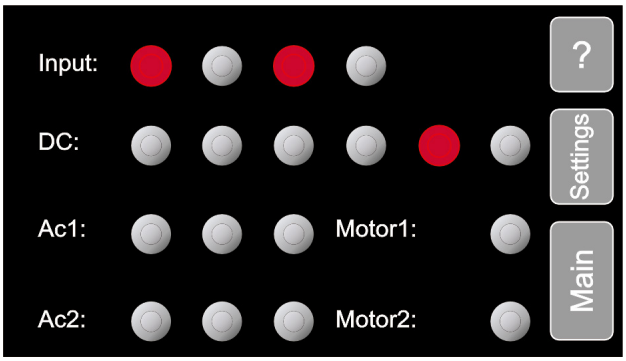
Curing Time:
Setting the curing time after the tray enters the oven

Curing Temperature:
Operating temperature of the oven





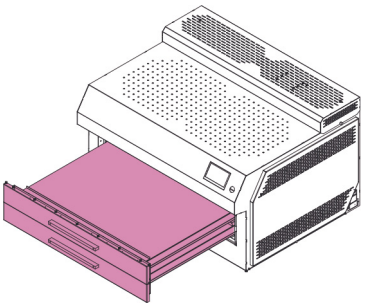
Input/output settings



The displayed parameters here correspond to the working status of their respective names and do not support manual adjustment.
Icon colour varies depending on the function working status.
Red: Working status not met/sensed
Grey: Working status met/sensed

To determine the specific working status, please contact your dealer or press the "?" button to know more.

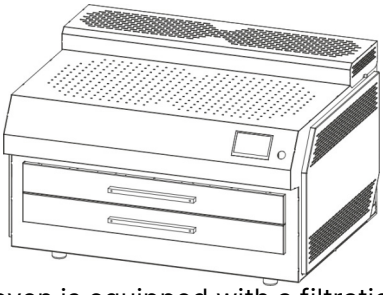
Media Tray



The curing oven is quipped with two trays that can be used alternately, but not simultaneously, the trays can be manually opened and closed or operated by pressing Tray 1, Tray 2 buttons on the control panel.

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.
* The only works in manual mode and not in Auto

Purification



Each curing oven is equipped with a filtration box that purifies the smoke inside the oven during operation. This helps protect the environment and prevents the production of fumes and oil vapours.

Basic operation

About this chapter

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

Chapter 2 - Basic Operations

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Timer hold 2-5

Workflow

1 Turning the power ON/OFF

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Page 2-3

2 Loading media

See [Loading power]
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3 Settings menu

See [Settings menu]
Page 2-5

4 Operating mode

See [Auto mode] Page 2-5,2-6
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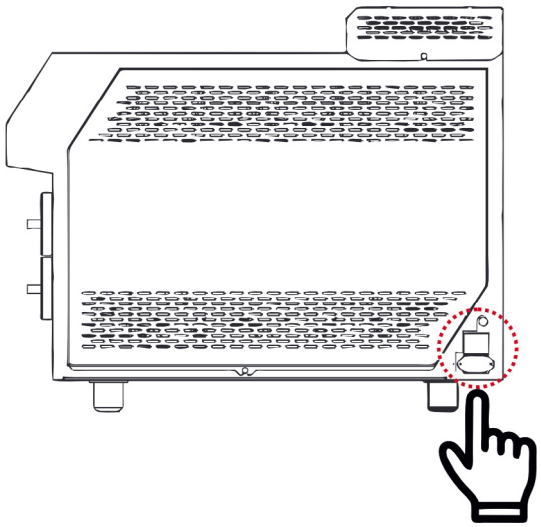
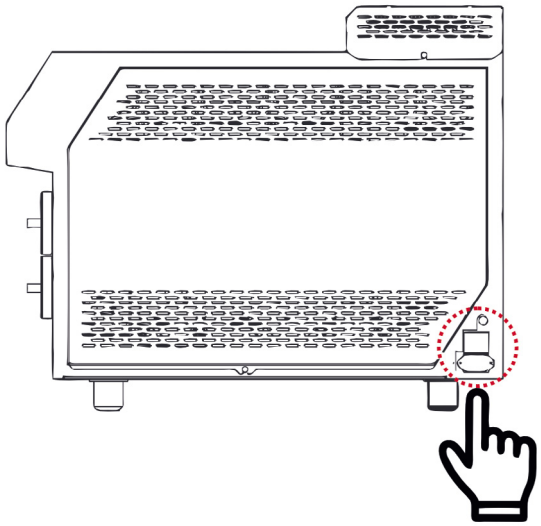
Turning the power on/off

Turning the power on



Press to turn on the machine

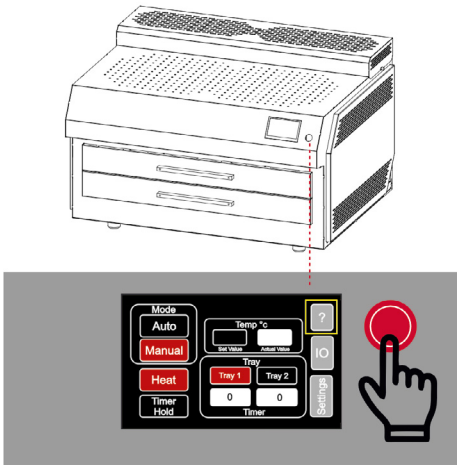
Turning the power off



Press to turn off the machine

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

Emergency stop



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

Warning

Emergency Stop

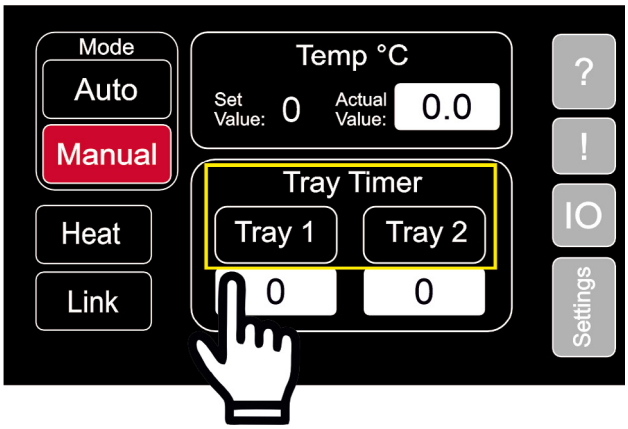
Emergency stop can be activated only in the following situations:

- **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.

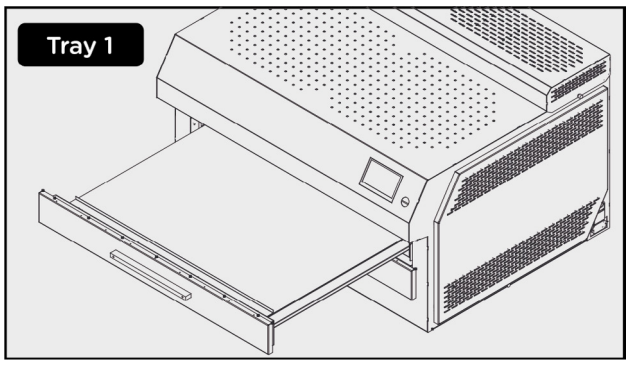
It's important to note that the emergency stop is intended for responding to urgent situations or ensuring safety, so it should be used sparingly under normal circumstances.
After activating the emergency stop, a proper inspection and maintenance of the machine are usually required to ensure its safety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

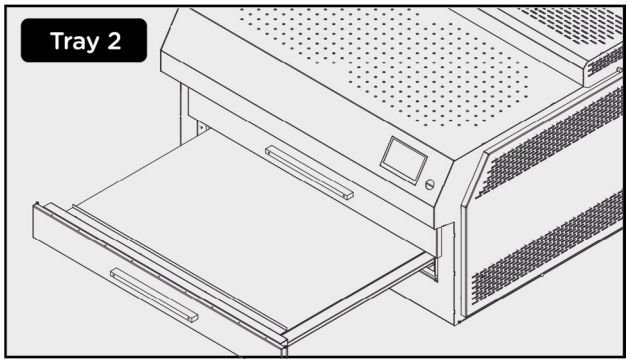
Loading Media

Open the Tray



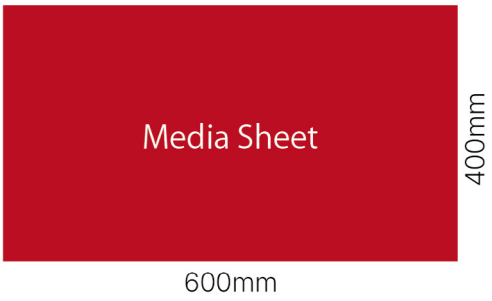
Press Tray 1 or Tray 2 to control

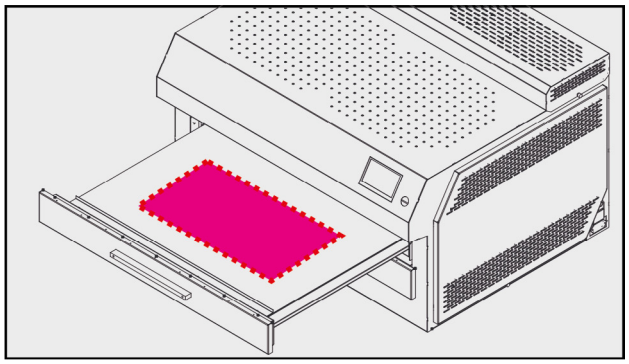




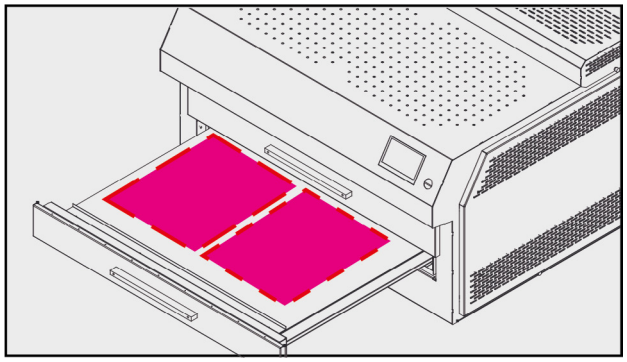
Size of the Media

Maximum sheet size 400 × 600mm



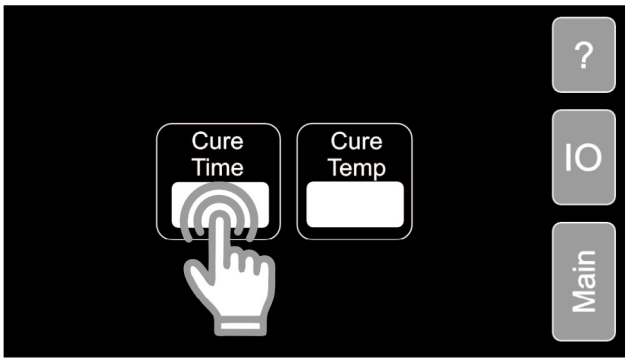


Multiple sheet can be placed on to any of the trays.
i.e Two A3 sheets



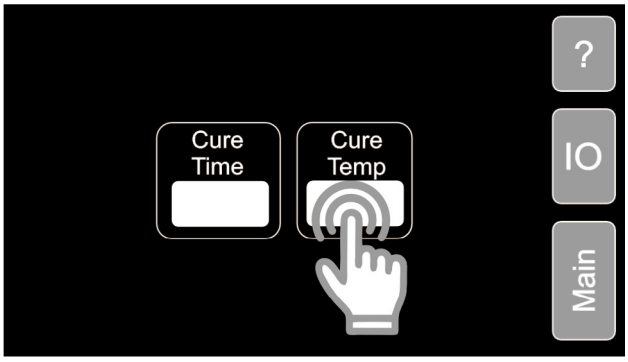
Operating Modes

Curing Time



Click the white box under “Cure Time” to input the desired curing time. The unit for input is in seconds. **Value range 30-900 Seconds.**

Curing Temperature

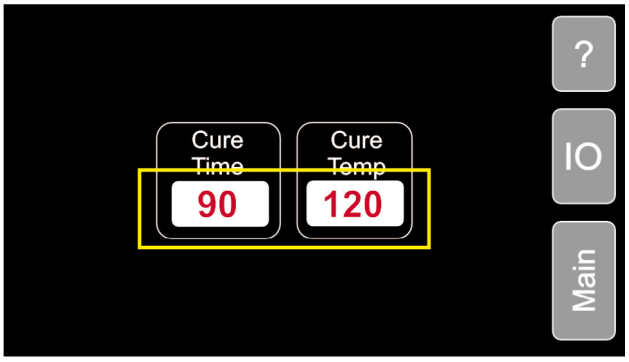


Click the white box under “Cure Temp” to input the desired curing time. The unit for input is in Celsius. **Value range 50-140 C.**

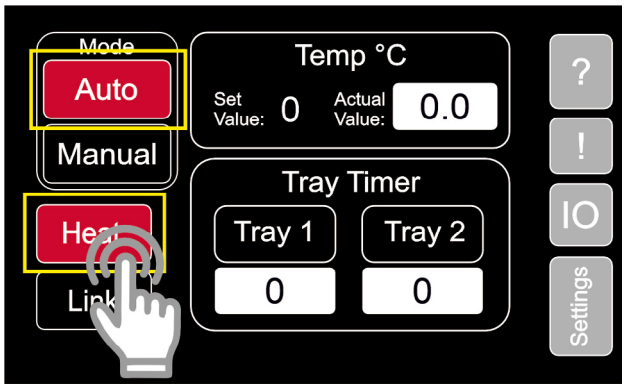
Auto mode

In Automatic mode, the machine supports curing of multiple sheets, but not simultaneous curing in both trays. If you need to cure multiple sheets alternately please follow the steps below.

1 Set the Time and Temp Settings.



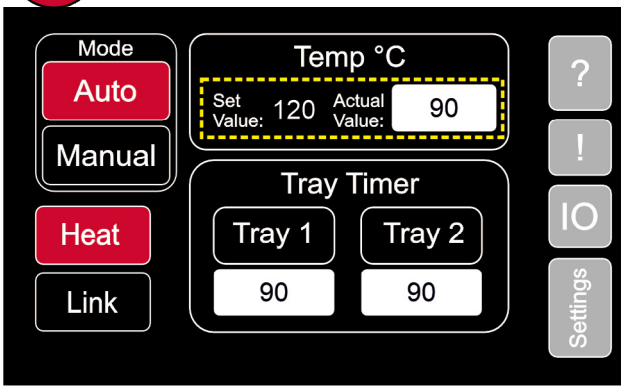
2 Switch to Auto Mode. Turn on “Heat” Function.



Both Trays will not open ready to accept the media.

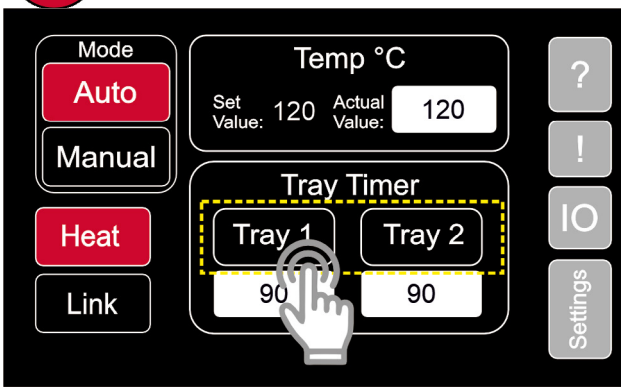
Now after completing the above two machine steps you need to wait for the machine to meet the following conditions before the machine is in fully automatic modes.

3 Wait until the actual temperature reaches set value.

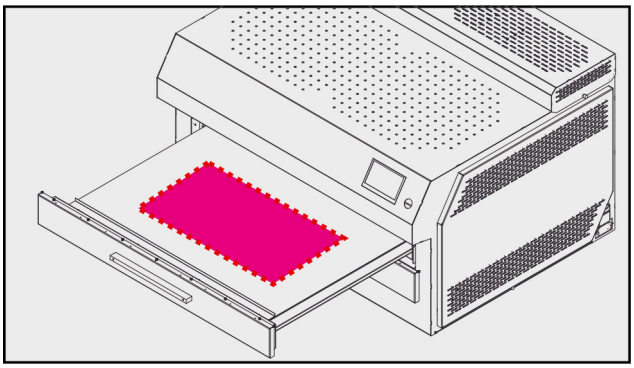


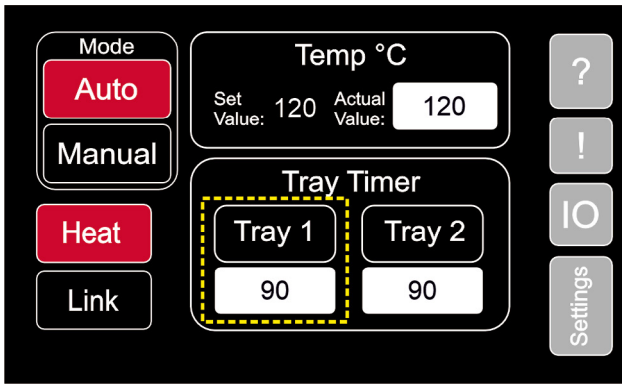
The actual temperature of the oven must reach the set temperature. For example, if the set temp is 120°C you need to wait until the actual value reaches 120°C.

4 Place the media sheet in the open tray.

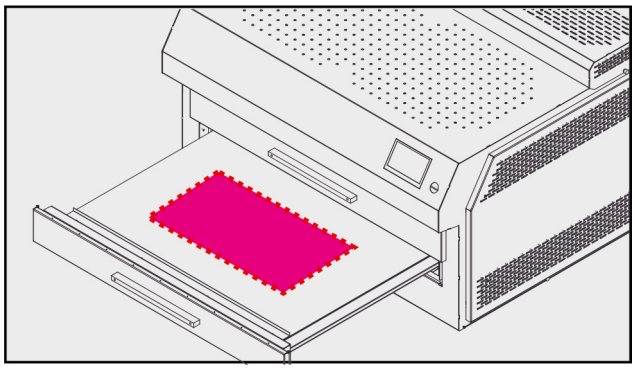


Once the actual temperature is reach Tray 1 will close and the time will begin to countdown.



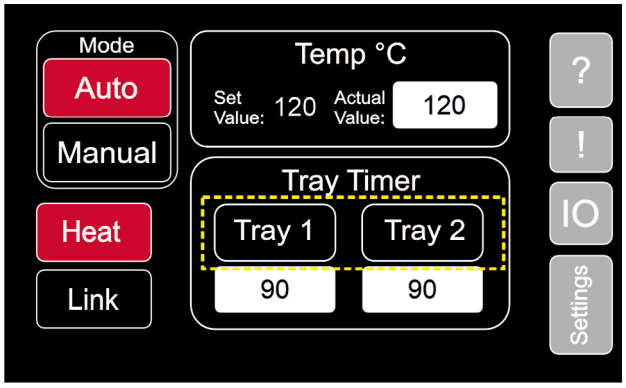


After closing Tray 1, the white box under “Tray 1” on the control panel will start the countdown timer.



At the same time, Tray 2 will open automatically, You can the place the media on the second tray.

You have until the cure time reaches 0 to remove the cured media sheet and replace it with a new one. This time is determined by the curing time you have set, If you set a longer curing time you will have more time to perform the operation.



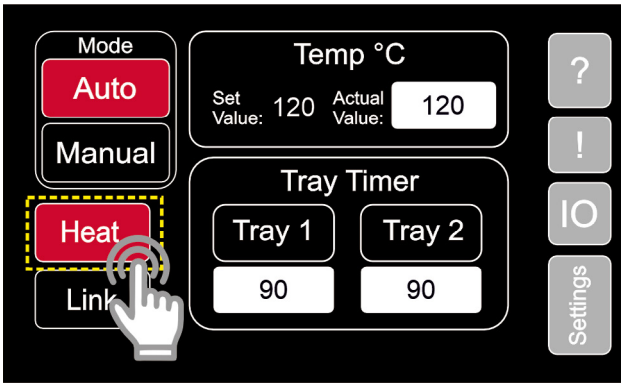
When the countdown for Tray 1 ends, Tray 2 will automatically move into the oven and start curing, with the timer beginning. At this point the media sheet and Tray 1 will have been cured, replace it with a new media sheet on Tray 1, Once tray 2 finishes curing and ejects automatically Tray 1 will move into the oven and start curing. **This process will continue alternately.**

Manual Mode

In Manual mode, the machine supports alternating curing of multiple sheets manually and trays can be opened at any point during curing.

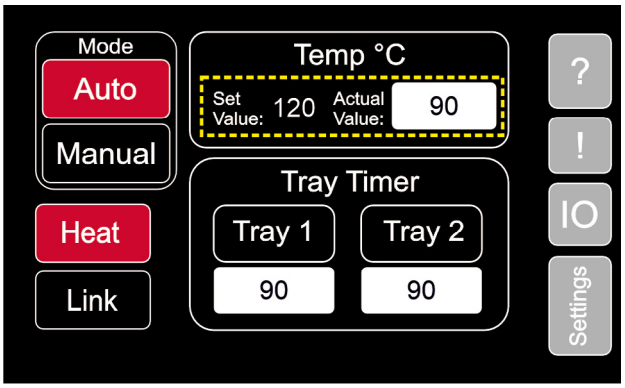
1 Set the Time and Temp Settings

2 Switch to Manual Mode. Turn on “Heat” Function



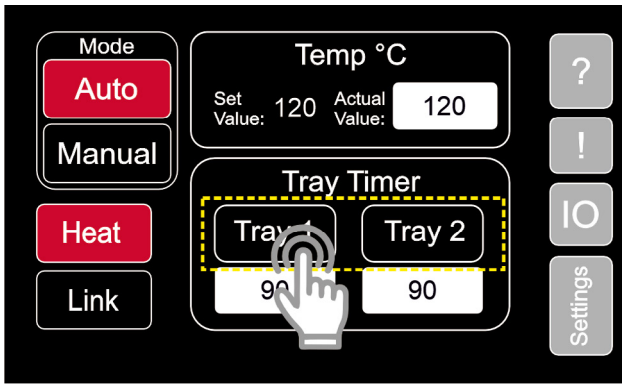
Now after completing the above two machine steps you need to wait for the machine to meet the following conditions.

3 Wait until the actual temperature reaches set value.

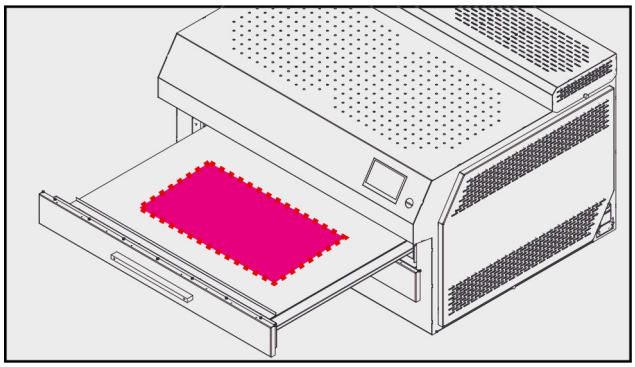


The actual temperature of the oven must reach the set temperature. For example, if the set temp is 120°C you need to wait until the actual value reaches 120°C

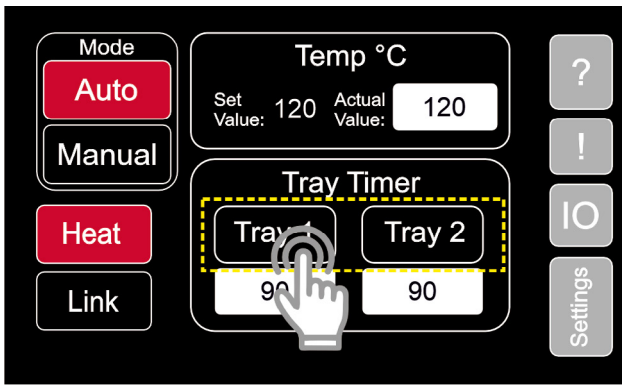
4 Set the Time and Temp Settings



Once the actual temperature is reached, you can open either tray. Here we take Tray 1.



After placing the media, Press “Tray 1” to close



In manual mode after the tray countdown ends it will automatically eject, completing the curing process

Timer Hold

The “Timer hold” function key can only be used in manual mode. Its purpose is to accelerate the oven’s temperature to reach the set temperature more quickly.
In manual mode after setting the time and temperature in the “settings” menu the tray will still automatically ejects out after the countdown ends. At this point the Timer hold function stops the countdown, preventing the trays from opening. This helps to ensure the oven’s temperature does not dissipate allowing the machine to reach the working state more quickly.

Maintenance Guidelines

About this chapter

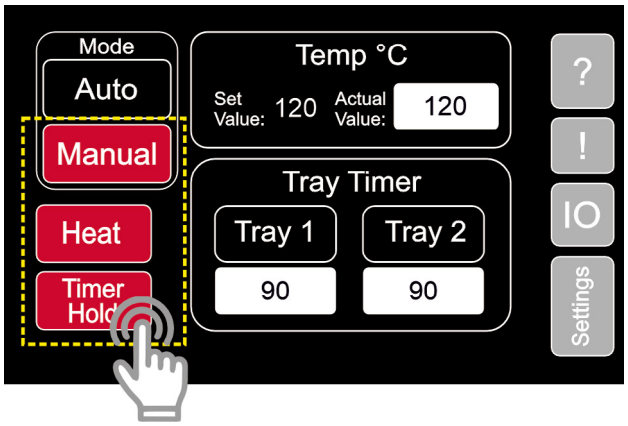
This chapter is about some daily maintenance guidelines of the machine, properly maintaining the machine can extend its lifespan.

Chapter 3 - Maintenance Guidelines

Routine Maintenance 3-2
Before use 3-2
After use 3-2
Filter box 3-2
Regularly replace the filters 3-2
How to replace filters 3-3
Replacement cycle 3-3
Kind Tips 3-3

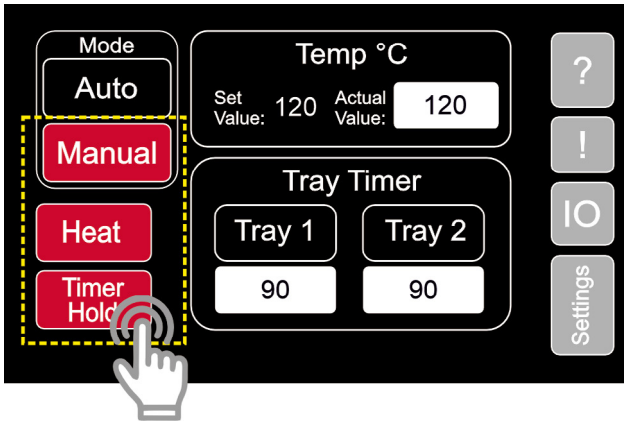
Due to the large amount of glycerine in the composition of DTF white ink, it is normal for oil and water condensation to appear on the metal surface after the machine is used. In order to prevent condensation from accumulating on the machine during long-term use, please follow the maintenance instructions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

Before use



It is recommended to turn on the Heat function for 15 min before starting each work session to enhance the curing effectiveness.

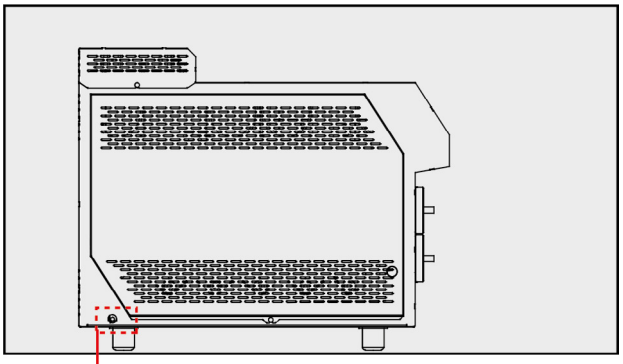
After use



After each day's work, be sure to activate the Heat function' 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 weeks, 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 trays while they are exchanging in auto mode. 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.

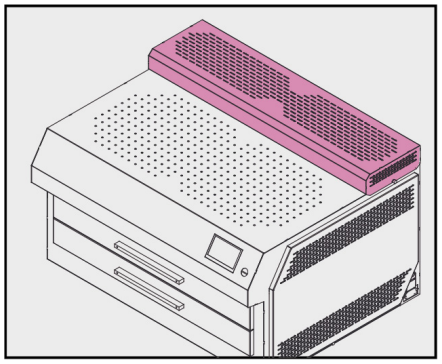
This is all artwork dependent and size of the sheets which are being cured.

Replace the filter regularly

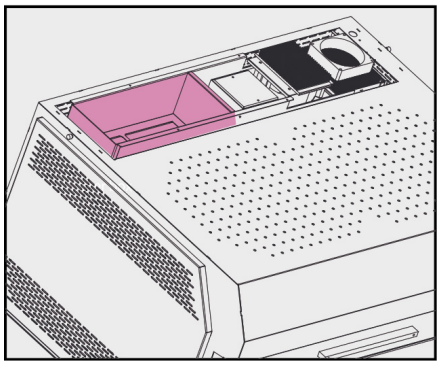
Replace the filter cartridge regularly according to the working condition, refer to the filter cartridge replacement guideline (as below):

1. How to replace the filter box

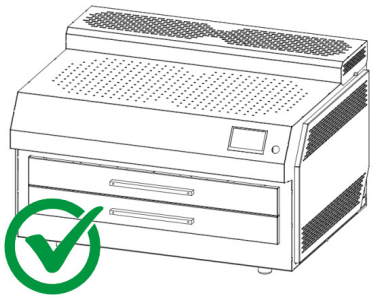
Open the Smoke purifier.



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.

3. 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.

Warranty and Declaration

About this chapter

This chapter is about the warranty and declaration of the machine

Chapter 4 - Warranty and Declaration

Warranty and Declaration 4-1
Design Change 4-2
Warranty 4-3
Declaration of Conformity 4-4
Installation Risk Assessment 4-5
Machine Risk Assessment 4-6
Parts Diagram 4-7

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.

Warranty and Declaration

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 customers 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 or repaired free of charge, provided that the machine has been installed and operated in the correct manner and not subjected to misuse. 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 customer or the installation date logged via the ‘warranty activation form’ on the Adkins dealer portal.

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.

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 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 customer. 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 agent had been advised of the possibility of such damage.

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:	DTF Cure Unit
Standards Compliance:	RoHS COMPLIANT CE
Model Number:	DTF Pro-Cure 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

Authorised Rep Compliance Ltd
Ground Floor
71 Lower Baggot Street
Dublin
D02 P593
Ireland
www.arccompliance,com

INSTALLATION RISK ASSESSMENT

Area / Task for assessment: Installation of Adkins DTF Pro-Cure Oven

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					
	Score	1 (Improbable)	2 (Unlikely)	3 (Possible)	4 (Likely)	5 (Almost Certain)
Consequence	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 Identif ied 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 DTF Pro-Cure Oven

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	Manufacture r-implemented control measures	Current risk			Recommended f urther 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.

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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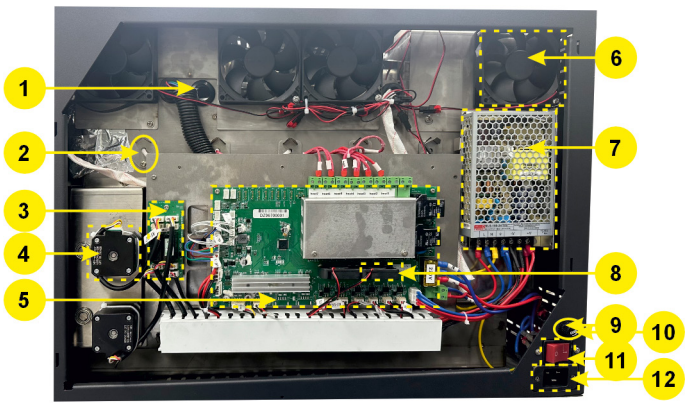
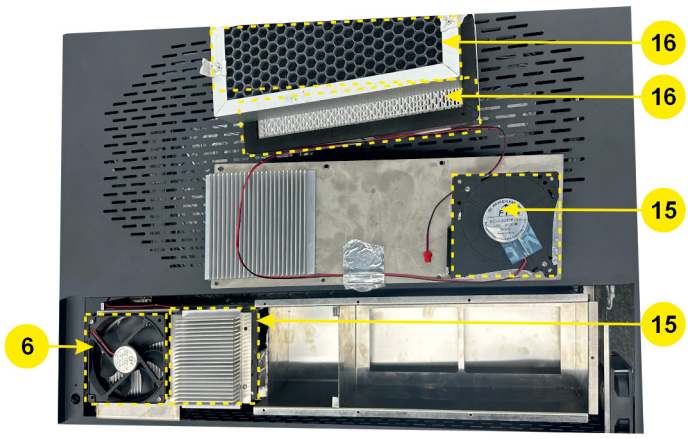
Adkins DTF Inline 900 Pro Parts Diagram





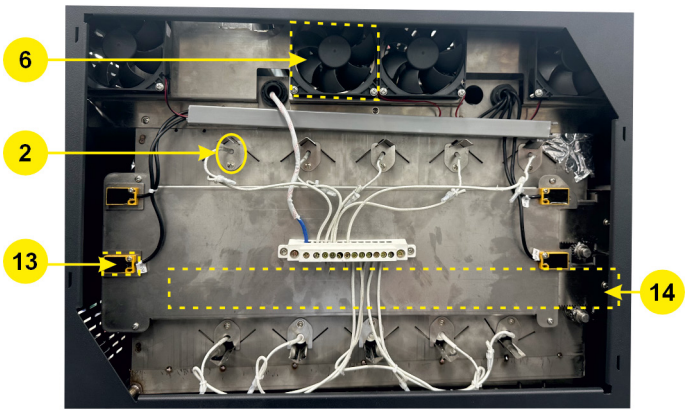


Diagram Number	Part Code	Adkins Basic Description	Amount Per Machine
1	1201-05-08-012-C	Thermowire	1
2	XR-01-044	Heat Element	10
3	EE-15-067-A	Small Board	1
4	42HSC4409B-23B	Tray Motor	2
5	EE-15-066-A	Main Control Board	1
6	7101-11-09-003	Cooling Fan (0.2a)	9
7	EE-26-003-D	24v Power Supply (6.5a)	1
8	XR-51-016A	Control Board Cooling Fan (0.12a)	2
9	EE-51-016-B	Fuse Holder	1
10	EE-51-016-C	Fuse (15amp)	1

Diagram Number	Part Code	Adkins Basic Description	Amount Per Machine
11	7101-11-06-022-C	Power Switch	1
12	XJHC-CZ-011	Power Socket	1
13	XR-01-024	Tray Sensor	4
14	D10-B-005-10	Fixed/Toothed Oven Rail (Left or Right)	4
15	EE-25-009-A	Paper Suction Fan (1.2a)	2
16	XR-01-015	Mini Filter	1
16	XR-01-016	Mini Carbon Filter	1
17	AF-20-09-023A	Digital Touch Screen	1
18	AF-17-09-339A	Emergency Stop Button	1
19	D10-A-005	Tray Handle	2
20	XR-01-008	Tray Rail (Left or Right)	4