Vacuumsub 3D Film

Manual

Solution to your large productivity demands of
3D vacuum sublimation(film)printing

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IMPORTANT INFORMATION

⚠ WARNING

Head and understand technical manual before servicing this machine. Failure to follow safety instructions could result in death or serious injury.

Please read this manual to understand the usage before any operation on the mini vacuumsub 3D Film Heat Press Machine.

This manual includes product introduction, operating instructions, and specifications. SUN-FLY International Business Development Ltd. maintains a policy of continually improving its product line and some illustrations and descriptions may vary from the machine your own.

BRIEF INTRODUCTION

Curve & Multiple-Surface Objects Dye-Sub Printing

The Mini Vacuumsub 3D Film brings you more possibilities of printing with curve or multiple-surfaces sublimation blanks. This machine has a pneumatic drive pump built in that generates a vacuum environment for the heat transfer process, which benefits the sublimationheat transfer printing quality and dramatically enhances efficiency.

3D Objects Printable

Vacuum film fully covers on printing objects.

Better Image Quality

Heating tubes evenly apply heat on to the surfaces.
Accurate digital control.

Efficiency

Easy panel operation.

SAFTY INFORMATION

⚠ DANGER

HAZARDOUS VOLTAGE. Disconnect power before servicing.

Electric

This machine contains high voltage elements. To prevent electric shock, do not open the machine cover when the machine is on and in use. Additionally, do not open the drive or control devices even if the power is off when the power cord is plugged in.

Make sure the machine is power off and use a multi-meter to determine if the voltage has dissipated before conducting any wiring adjustments or inspection.

Ensure the machine is grounded.

Make sure wiring and other machine inspections are conducted by qualified technicians.
Any contact surface of human body should be completely dry to avoid electric shock when operating the machine.

Fire

The internal temperature of the running machine is higher than 120oC, please make sure keep all flammable materials away from the machine.

In the event of a machine failure disconnect the power supply, manually remove the material loading pallet to avoid potential fire risk.

A machine operator must be present when machine is turned on.

Others

Please use proper lifting tools to move the machine

Do NOT stack, tilt or invert machine crate

Do NOT expose the machine to rain or moisture

Do NOT turn on or operate the machine if it is damaged, missing components, or incorrectly configured.

Do NOT cover the cooling fan.

Do NOT put your hand on or near the loading area when closing it, Do NOT put your hand inside the heater.

⚠ CAUTION

Avoid abrasion burn. Always wear gloves.

Make sure wearing heat resistant glove to prevent from hurting before any operation on the loading board.

OVERVIEW
Appearance

1.Crank Handle	2.Emergency Button
3.Control Panel	4.Printing Jigs
5.Loading Platen	

6.Fans	7.Control Panel Connector
8.Power Connector	9.Main Electric Wire
10.Power Switch	

Package contents

2 Machine Body

1 Control Panel

3 Thermal Tubes

4 Tools

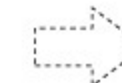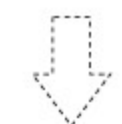| 1.Control Panel x1	2.Machine Body x 1
3.Tools	4.Thermal Tubes x2

Mounting

Control Panel Installation

Align the control panel with the holes on the top of the machine
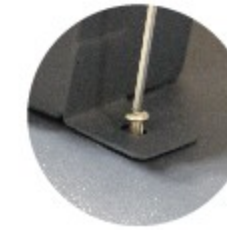
Screw to fix the control panel

Control panel fixed

Turn to fix the connector

Plug in the connector

Find the correct position

Find the cable behind the control panel

Main Power Installation

Find the plug-in socket at the back of the machine

Push it into the socket

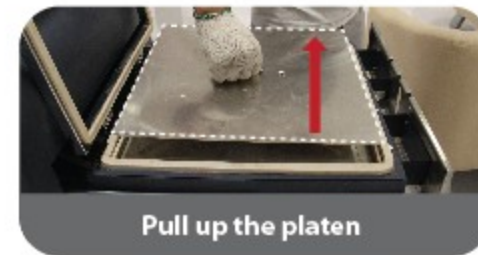Pull the fixer on 2 sides of the socket
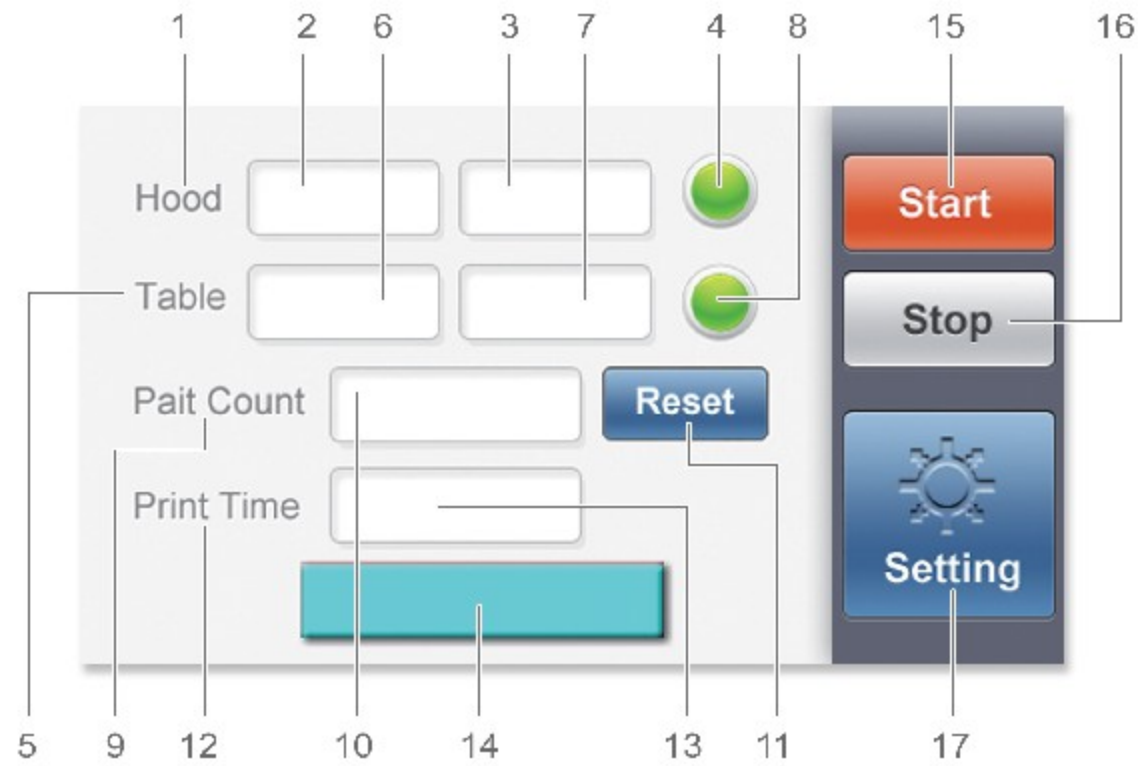
Main power connector finished

Phone Case Platen

Max 6 Phone Case Jigs

iPad Platen

Max 1 iPad Jig

iPad Mini Platen

Max 2 iPad Mini Jig

Unscrew 2 screws on the iPad Mini platen

Screw in one screw to lift up the platen

Pull up the platen

Put in the phone case platen

Screw to fix the platen

Screw the other 2 screws at position a and c

Position the phone case jig

Push down the jig

Push the jig towards to the machine

Complete View

CONTROL PANEL OVERALL

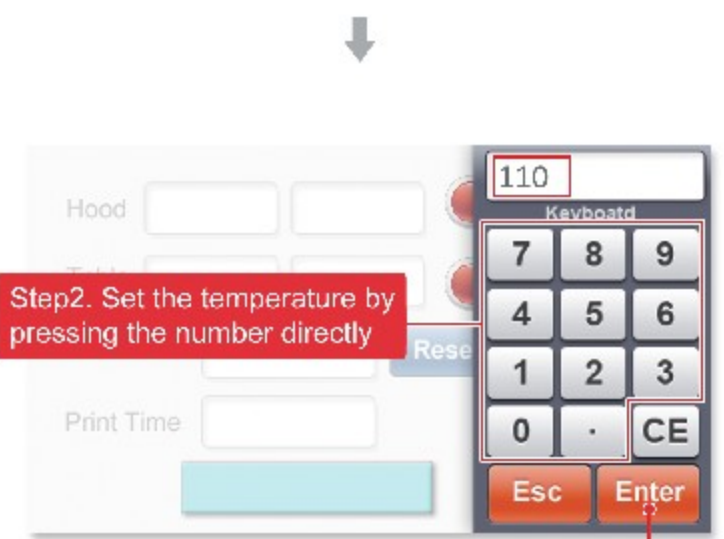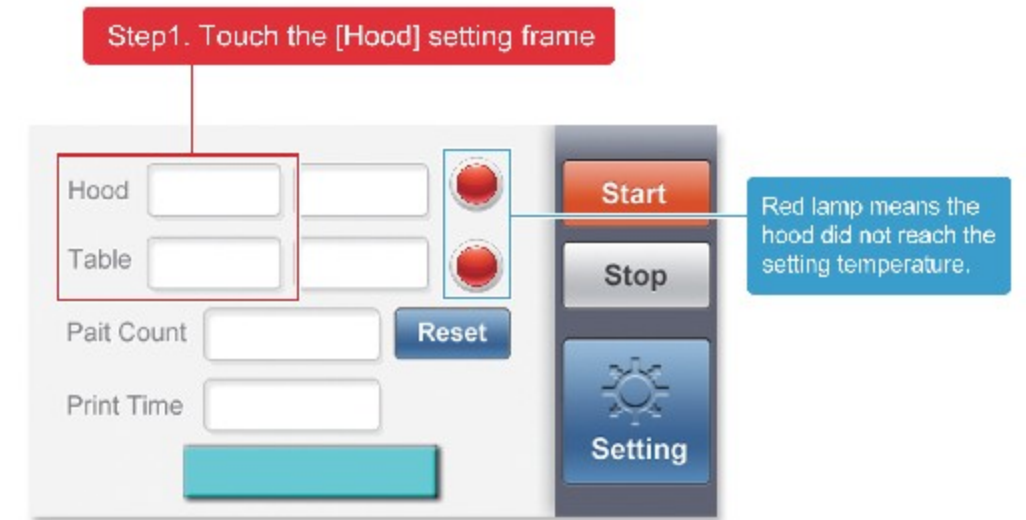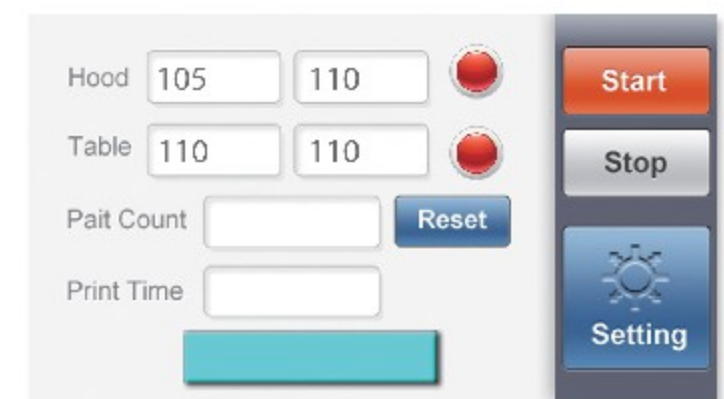|	
1. [Hood]icon	2. Hood setting frame
3. Hood real temperature	4. Pilot lamp (Green lamp means machine temperature reaches the setting temperature. Red lamp means did not reach.)
5. [Table] icon	6. Table setting frame
7. Table real temperature	8. Pilot lamp (Green lamp means machine temperature reachesthe setting temperature. Red lamp means did not reach.)
9. [Pait Count]icon	10.Pait count setting frame
11.Reset	12.[Print time] icon
13.Print time setting frame	14.Prompt frame
15.[Start]option	16.[Stop]option
17.[Setting]option	

Hood Heating Temperature Setting

Step1. Touch the [Hood] setting frame

Red lamp means the hood did not reach the setting temperature.

Step2. Set the temperature by pressing the number directly

Step3. Press [Enter]to confirm setting

Setting finished

Print time Setting

Step1. Touch [Print time] setting frame

Hood	105	110	●	Start
Table	110	110	●	Stop
Pait Count		Reset		Setting
Print Time				

↓

220
Keyboard

7	8	9
4	5	6
1	2	3
0	.	CE
Esc		Enter

Hood 105 110
Print Time

Step2. Set the temperature by pressing the number directly

Step3. Press [Enter] to confirm setting

↓

Setting finished

Hood	105	110	●	Start
Table	110	110	●	Stop
Pait Count		Reset		Setting
Print Time	210			

[Setting] adjustment

Hood	105	110	●	Start
Table	110	110	●	Stop
Pait Count		Reset		Setting
Print Time				

Step1. Touch [setting] option

↓

Default

The film after sealing the delay time: 6

Exit

Step 3. Press [Exit] to quit out

Print Time:	210
Cumulative number:		[Cumulative number] setting frame
Process number:		[Process number] setting frame

Step 2. Set [Print Time] to 220 seconds by pressing the number
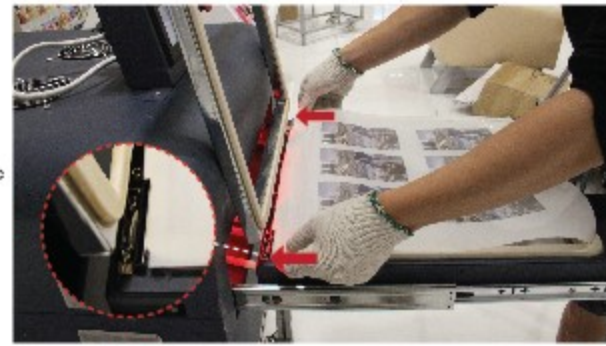
Vacuum sublimation process

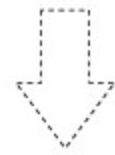Step 1. Put the phone case on to the printing jig.

Step 2. Put on the printed film over the cases. Gloss side should be on the top
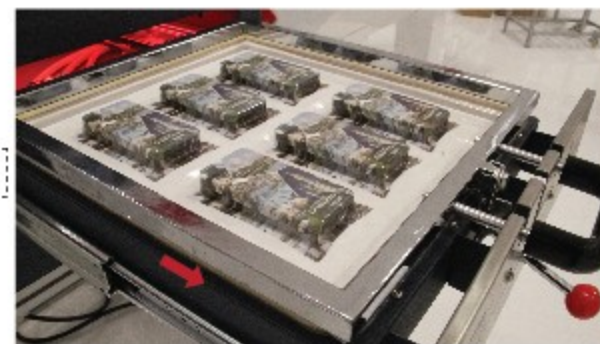
Step 3. Close the positioner

Step 4. Push the platen inside the machine

Step 8. Pinch two sides of the case for about 3 seconds.

Step 7. Open the positioner then take out the film and the phone cases

Step6. Pull out the table.

Hood			Start
Table			Stop
Pait Count		Reset	
Print Time			Setting

Tab e s colosed, please do not pull the table.

Step 5. Press [start] button to start 3D dye-sublimation process.

TROUBLE SHOOTING

Problem	Solution
Control Panel does not work	1.Turn off the power to restart the machine 2.Calibrate Control Panel:Quickly touch the non-touching area in 4 seconds with 20 times.(It allows more than one figure to click) 3.When hear the machine buzzer sounds,stop the touching,then enter calibration mode,touch the Control Panel again according to the cross line, until calibration finishes. 4.Open the cover of machine,then loosen the Control Panel screws.(Too much tight will lead to the error)

BLANK PRINTING CONDITION REFERENCE

Name	Model#	Temperaturè(C)	Time(sec.)
3D Film iPhone4 Case	SFP-TFIP4	110/110	210
3D Film iPhone4s Case	SFP-TFIP4S	110/110	210
3D Film iPhone5 Case	SFP-TFIP5	110/110	210
3D Film iPhone5s Case	SFP-TFIP5S	110/110	210
3D Film iPhone 5C Case	SFP-FIP5C	110/110	210
3D Film Samsung S3 Case	SFP-TFS3	110/110	210
3D Film Samsung S4 Case	SFP-TFS4	110/110	210

SPECIFICATION

Model#	SFS-VSF04
Name	Vacuumsub 3D Film Heat Press Machine
Vacuum Load Platen	Single 405 x 370mm
Machine Size	610(W) x 675(D) x 1235(H)mm
Weight	65kg
Packing Size	1PCS/CTN 720*820*1320mm
G.W.	85kg
Power	3500W
Voltage	220V/110V AC 50Hz

Warranty scope

1.Vacuum pump,control panel:warranty in a year after delivery.
2.Hood,Resistance heating tube and spare parts,warranty in 3 months after delivery.
3.The above warranty is based on non-human factor.

Spare parts
Two hoods