



# **AUTOSHOT OWNER/OPERATOR MANUAL**



\*Specific Parts & Materials in models vary.

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### **Have Questions On Set Up or Operations?**

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### **IMPORTANT PRECAUTIONS - READ CAREFULLY!**

All USER of this equipment should read and understand this entire manual and be trained on equipment's proper use. Damage to the system from improper use or assembly is not covered under warranty.

## **INCORRECT USE CAN RESULT IN SEVERE INJURY &/OR DEATH.**

1. You must wear protective clothing, safety gloves and safety glasses when operating equipment.
2. Install system on a steady, level work surface away from combustible material and securely mounted to prevent tipping/falling which may result in burns and serious injuries.
3. Never use caustic, explosive or hazardous materials with this equipment. Death or serious injury will result. Fire, explosion, personal injury, property and equipment damage will result if the materials used in or around the system are toxic or heat or fire sensitive. Always read the manufacturers recommended use of the material and note Flash points on all materials used.
4. **UNPLUG UNIT AFTER USE** - Always manually plug in prior to use. Do not operate or leave equipment on while unattended. Please do NOT use a timer on the equipment.
5. Please contact Waxmelters immediately if equipment leaks or stops working properly. Delays in contacting Waxmelters could result in fire, injury or death or further damage to the equipment.
6. Never install equipment within 20 ft. from combustible materials.
7. Do not connect or disconnect electrical connectors or remove components with the power on. This will avoid arcing of electrical contacts and possible failure of components.
8. Do not use torches or heat guns of any kind to pre-heat components.
9. Properly ground equipment per all applicable codes.
10. Always have a fire extinguisher within reach.
11. Do not dismantle or assemble unit unless completely cooled to reduce burning, injury and fire.
12. Ensure proper ventilation when using this equipment but not blowing air from cooling fans.
13. Be sure unit and controls are free from materials, wax, dripping product, and debris since this can damage unit and components, result in unit failure and/or lead to injury or death.
14. Never point dispenser at yourself or at others.
15. Never operate unit if Autoshot Head is cold since this may damage valve.
16. Autoshot head uses high tech microprocessors which can easily be damaged if system is being operated with solid wax which hasn't been melted.
17. Do not over bend or kink heated hose. Hose Minimum bending radius is 7".

## **ASSEMBLY & OPERATION**

**DO NOT PREHEAT OR OPERATE UNIT EMPTY!**

PLEASE READ ALL SAFETY PRECAUTIONS & WEAR PROTECTIVE CLOTHING PRIOR TO OPERATING AND USING THIS SYSTEM.

### **Assembly:**

1. Unpack Control Box/Pump, Filler Head and Hose Assembly. Check for shipping damage. If items received have been damaged in shipping, please contact us immediately. DO NOT use equipment.
2. Make sure Melter is firmly mounted on a stable, firm table that will not break or tip while using equipment which may cause serious injury.
- 3.



Attach Ball Valve assembly to Melting Tank and make sure to have Teflon wrap on it (white tape on valve).

Start connecting using fingers first and then tighten firmly using a wrench. If you remove the ball valve for any reason, on reassembly make sure the Teflon is intact or replace it.

MAKE SURE THE BALL VALVE IS IN THE CLOSED POSITION (HANDLE IS PERPENDICULAR TO VALVE AND FACING SIDWAYS) SO HEATED MATERIALS DO NOT LEAK OUT.

4.



Attach Pump to Valve



Insert "Locking" PIN



Attach Hose to Pump



Attach Autoshot to Hose

5. Plug in pump, connect electrical connections between pump & hose, hose & dispensing gun as follows:



Connect 5-Pin electrical connection between Pump and Hose



Connect 3-Pin electrical connection between Hose and Autoshot



Plug System In

6.



Attach Hose Balancer (black, circular item) to Swivel Arm.

Attach Hose Hammock to Hose with Mounted Clips.

Attach Hose Hammock to Hose Balancer.

Adjust Hose Hammock Position on Hose for your needs.

Adjust Tension on Hose Balancer as needed.



More Tension



Release Tension

7. Plug Power Box directly into a dedicated 120 Volt (grounded) outlet or step-down transformer for 240 Volt outlets. Using a shared electrical outlet or an extension cord, surge protector may cause performance problems.

## **OPERATING YOUR UNIT:**

PLEASE READ ALL INSTRUCTIONS, ALL SAFETY PRECAUTIONS & WEAR PROTECTIVE CLOTHING PRIOR TO OPERATING AND USING THIS SYSTEM.

1. **DO NOT TURN ON THE FILLING SYSTEM OR FILLER HEAT BUTTON.**
2. Make sure the Ball Valve on melting tank is in the CLOSED position.
3. Fill melter with material and turn it on to begin melting.
4. Make sure Melter Temperature is SET to the higher of Manufacturer's mixing/blending temperature or pouring temperature.
5. Make sure materials in Melter are completely prepared for pouring, including being melted and any other materials including fragrance or color added, etc. and are ready to pour.
6. Turn the FILLER HEAT Button "ON" ONLY (Do Not Turn On the "Pump" Button):  
On first use or if all materials in the filler have been dispensed, allow Filler to preheat for at least 30 minutes and up to 1 hour before opening the ball valve.

If material is already inside the filling system and the tank, then preheat it for 1-3 hours.

Set The Filler Temperature 10-15 degrees higher than the melting tank- this will not damage your materials since the filler is designed to maintain/facilitate the flow of your substance rather than heat it.

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### Set Temperature With Arrow Keys

Press ↑ or ↓ to raise or lower the temperature setting to the desired temperature and then it will blink and be set to that temperature.

### To change F° to C° :

Press and hold **MODE** until screen displays **PAR2**

Press **MODE** until it displays **UNIT**

Press ↑ or ↓ to change setting, Press **MODE** to save

### Calibrating the Controller:

Press and hold **MODE** until screen says **PAR2**

Press **MODE** until it displays **IN-b**

Press ↑ or ↓ to change setting. Press **MODE** to save

*For Example, if Controller Temperature reads 180 F° and the actual melted wax reads 170 F° then setting should be set to -10°.*

### Temperature Differential:

Press and hold **MODE** until screen says **PAR2**

Press **MODE** until it displays **HYS**

Press ↑ or ↓ to change setting. Press **MODE** to save

*(Number= How many degrees the temperature drops on the controller before turning back on)*

8. Make sure the Filler has preheated for the required time period.



## 9. Adjust and Set AutoShot Timer:



Step 1: Enter Fill Time

Step 2: Press “MODE” button

Step 3: Enter Off Time

### a. Turn the “PUMP” button “ON”:

This is located on the control panel. After pressing you should hear the pump rotating. If not, then allow Filler to preheat longer (up to 1 hour if empty and up to 3 hours if full of material) or try raising the Filling System’s Set Temperature.

### b. Open the Ball Valve:

This will allow material to flow into system.

### c. Flip the toggle switch on your Autoshot Head To Begin Filling.

## **ADVANCED TEMPERATURE CONTROL SETTINGS (TC4S Controller)**

### **For PAR1 Settings:**

-Press and hold MODE until screen displays PAR1 Press MODE until it displays (setting name) Press Up or Down arrow to set each setting then press Mode to save

Setting Name - Setting value

#### **PAR-1 Settings**

AL-1=954

HYS=001

### **For PAR2 Settings:**

-Press and hold MODE until screen displays PAR2 Press MODE until it displays (setting name) Press Up or Down arrow to set each setting then press Mode to save

#### **PAR-2 Settings**

| Parameter | Factory default | Parameter | Factory default |
|-----------|-----------------|-----------|-----------------|
| In-t      | JIC             | t         | 0200            |
| Unit t    | F               | AL-1      | Rn 1A           |
| In-b      | 0000            | AL-2      | Rn 2A           |
| nAwF      | 000.1           | AHYS      | 000.1           |
| L-Su      | -22             | LbAt      | 0000            |
| H-Su      | ***             | LbAS      | 008             |
| a-Ft      | HEAt            | LbAb      | 002             |
| C-n d     | on of           | dl -t     | StoP            |
| aUt       | SSr             | Ernu      | 0000            |
| SSr n     | Stnd            | LoC       | aFF             |

H-Su \*\*\* = this setting should be set as follows, if you have:

Standard Melting Tanks and Filling Systems: 212

X-Treme Systems: 300

## **TROUBLESHOOTING**

PLEASE READ ALL INSTRUCTIONS, ALL SAFETY PRECAUTIONS & WEAR PROTECTIVE CLOTHING PRIOR TO OPERATING AND USING THIS SYSTEM.

### **Filler Does Not Turn On (Red Power Button is off):**

- Make sure the outlet works.
- Make sure the fuse is not tripped, a tripped fuse will show a white face and will need to be reset.
- Make sure the breaker has not tripped.

### **Filler Blowing Fuses**

- Make sure all electrical connections are connected securely.
- Be sure your fuse is clean and free of materials, debris, etc.
- Make sure your outlet is properly grounded at the outlet & your filling system is on its own circuit, and not on an extension cord.

### **Filler Leaks**

- If you notice any materials leaking from any joints or fittings, then unplug the unit immediately. Refer to the assembly instructions and carefully tighten those joints/fittings.

### **Filler Seems Completely Clogged & Will Not Pour Any Material**

- Make sure the ball valve is open, the material in the melter completely melted and that the filler has been preheated for 1 hour if empty (up to 3 hours if full of material).
- Make sure filler is set 10-15 degrees higher than the melting tank.
- If your room is cold or you are using the unit near an open door/window, a fan, humidifier, dehumidifier, air conditioner, etc., the unit may heat slower or take more time. You may have to raise the temperature of the unit to compensate for heat loss.
- Be sure each part of the filling system is connected during filler pre-heating, including being connected to the melter. This is important for spreading heat to the fittings.
- Temperature of melter should be set high as possible according to manufacturer specifications, adding fragrance, color or other additives will increase melting temperature.
- If still experiencing clogging after following steps above, begin to disconnect the filling system piece by piece, checking for clogs. First, disconnect the pump from the tank and make sure flow is established from the ball valve. Next, re-connect pump to tank and remove hose from pump, place a small container where the hose connects to the pump and run the pump, establish flow from the pump. Next, disconnect the dispensing gun from hose, and re-connect the hose to the pump, and establish flow from the hose end. Lastly, re-connect the dispensing head to the hose, and establish flow from the dispensing head.
- If a clog is located, increase filler temperature, reconnect filling system components and allow system to pre-heat for another 30 minutes before running system again.
- Compressed air (40 PSI on Autoshot Dispensing Head / 100PSI on Hose/Pump) can assist in removing clogs. Carefully remove hose from pump, blow compressed air through hose and dispensing gun while system is hot.



### Filler Dispenses Slowly, Unevenly And/Or Filler Drips From The Nozzle:

- Make sure the unit is not on an extension cord or power strip.
- If using pre-melted wax, poured into the melter connected to this system, the melter should be allowed to heat the wax at least partially, to allow the melter valve and internal melter surfaces to heat – along with the filling system. In other words, Pre-melted wax which is already at temperature should not be poured into a cold melter and then through filling system – this will cause clogging.
- Be sure the entire filling system is connected during pre-heating, including to the melter, during the entire pre-heating process of the filling system.
- Make sure it is on a dedicated line without other appliances on it.
- Make sure that filler temperature setting is 10-15 degrees higher than melting tank.
- Make sure Filler (not melter) is preheated for 1 hour if empty (up to 3 hours if full).
- Make sure the green “OUT” light on the digital temperature control comes on. If not, then the temperature needs to be set.
- If the filler pours fine at the beginning but starts dripping, leaking or pouring unevenly later, then the melter temperature needs to be raised and/or the filler temperature needs to be 10 to 15 degrees higher.
- Try removing the melter’s lid or opening it a little to allow air to flow inside.
- If your room is cold or you are using the unit near an open door/window, a fan, humidifier, dehumidifier, air conditioner, etc..., the unit may heat slower or take more time. You may have to raise the temperature of the unit to compensate for heat loss.
- If still experiencing clogging after following steps above, begin to disconnect the filling system piece by piece, checking for clogs in the ball valve, fittings, components. First, disconnect the pump from the tank and make sure flow is established from the ball valve, if ball valve is clogged, remove clog. Next, re-connect pump to tank and remove hose from pump, place a small container where the hose connects to the pump and run the pump, establish flow from the pump – if pump fitting clogged, remove clog manually. Next, disconnect the dispensing gun from hose, and re-connect the hose to the pump, and establish flow from the hose end. Lastly, re-connect the dispensing head to the hose, and establish flow from the dispensing head. Clogging in the fittings are a sign the filling system temperature is too low, the melter temperature is too low, system has not pre-heated long enough, or some combination. Try increasing temperatures, and allow to pre-heat for a further 30min before trying again.
- If using converter/transformer, be sure “selector” switch on back side of converter/transformer is set to the correct input voltage being supplied from your outlet to the transformer.
- If using pre-melted wax: First, make sure the ball valve is closed between the melter and filling system before adding pre-melted wax.
- If using pre-melted wax either: a) melter should be set 5-10 degrees F higher than the temperature of the pre-melted wax OR b) Have your pre-melted wax at 5-10 degrees below required melt temperature, and allow melter to heat final 5-10 F before dispensing. Otherwise the melter will believe it’s already at temperature, and not heat – therefore causing the material to begin cooling down in melter.
- Using pre-melted wax in the melting tank can also introduce air into the system. If after adding pre-melted wax, pouring is slow, the trapped air will need to be released from the system. To release the air, turn the pump power button on and off 3-4 times, allowing a few seconds rest between each – this should allow some wax to backflow into the melter, and release any trapped air bubbles from the system.

**Advanced Troubleshooting: Complete, Copy & Return to [Support@SoapMelters.com](mailto:Support@SoapMelters.com)**

|                   |           |
|-------------------|-----------|
| Company:          | Model #:  |
| Name & Contact #: | Serial #: |

Filler Is Not Turning On, Blowing Fuses And/Or Leaking

- 1) Has the breaker/fuse tripped? Y / N
- 2) If the fuse keeps tripping, first disconnect electrical connection on:
  1. Dispensing head – Does it still trip? Y / N
  2. Hose – Does it still trip? Y / N
  3. Does control box/pump trip on own? Y/ N. If No, then connect head directly into control box/pump- does th
- 3) If leaking, have you made sure the fittings are tight? If so, which connection is it leaking:  
Melter to Pump          Pump to Hose          Hose to Head          Pump Feet

Filler Dispenses Slowly, Unevenly, Nozzle Drips And/Or Seems Clogged

- 1) Does the Green “OUT” light come on the control and do you hear a “CLICK” noise? Y / N
- 2) Allow system to preheat for 1 hour. Circle if any of these connections are cool (Be careful since they should be hot):  
Melter to Pump          Pump to Hose          Hose to Head          Nozzle Itself
- 3) Did you make sure the filler temperature is set to the HIGHEST manufacturer’s recommended Temperature (the higher of mixing/blending temperature or pouring temperature) and at least 15 degrees higher than the melter temperature? Y / N  
If Yes, set the temperature of Filler to 212f (It will not damage your product unless left for any extended period of time) and let it heat for 1 hour and try again. Does it pour better now? Y / N
- 4) If 2 & 3 did not help, then disconnect head from hose and aim the hose back into the tank.
  - If it pours quickly, did you make sure there is no wax paper, metal twine, or debris in the head? Y / N Did you try a compressor to blow out the head? Y / N
  - If it does not pour quickly, disconnect the hose. Does it pour fast from the pump (careful since it may be hot and splash) into a large pitcher or melter? Y N If not, does material slowly pour out by gravity or if you tip the unit? Y NIf No, What Type of Sound Does The Pump Make?  
\_\_\_\_\_ It sounds normal          \_\_\_\_\_ It sounds stuck and is making a “buzzing” sound  
\_\_\_\_\_ There is no sound          \_\_\_\_\_ It sounds loud and like something is rattling
- 5) Did you apply external heat to the system? Y / N If yes, to what part? \_\_\_\_\_
- 6) List the material (include brand name or product#) you heating/melting and melt points?  
\_\_\_\_\_

Melter’s Temperature is Set to \_\_\_\_\_ Filler’s Temperature is Set to \_\_\_\_\_

If using preheated material from another tank, the preheated Temperature is \_\_\_\_\_

**Please Provide A Brief Description & Any Steps That Have Helped:**

|  |
|--|
|  |
|--|

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