FONTAINE TECH WAXER

OPERATING INSTRUCTIONS

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SAFETY

1. KNOW THE MACHINE

Read and understand the operators manual. Learn the machine's operation, application, and possible hazards.

2. KEEP UNIT GROUNDED

The machine is equipped with a three wire cord for use on internally grounded electrical systems. Make sure your electrical system is grounded and that the machine is connected to its power source in an approved manner by a competent electrician

3. KEEP DOOR CLOSED AND SECURED

Never operate machine with the door open. The cabinet door is part of the structure of the machine. Keep it closed at all times except when cleaning the machine or changing belts.

4. WEAR PROPER APPAREL

Never wear loose clothing or jewelry that may be caught in moving parts. Always use safety goggles while using abrasive belts.

5. KEEP WORK AREA CLEAN

Cluttered areas, benches and slippery floors invite accidents.

6. DISCONNECT FROM POWER SOURCE

Unplug or turn off power at the source before doing maintenance or repairs on the machine.

7. KEEP MACHINE CLEAN AND IN GOOD WORKING ORDER

Replace worn or broken parts. Clean waxing residue daily from the residue tray. Check and clean the IRTC daily. The IRTC is mounted below the heating element on the end close to the access door.

8. KEEP VISITORS AWAY

All visitors should be keep at a safe distance from the work area.

9. NEVER LEAVE THE MACHINE RUNNING UNATTENDED

SAFETY INSTRUCTIONS TO OPERATOR

Read and understand the following steps before operating the machine.

Caution: DO NOT CONNECT TO POWER SOURCE UNTIL YOU HAVE

a. Read and understand the instruction manual carefully.
b. Completed the installation instructions.
c. Examined and completed operating familiarity with the ON and OFF switches.
d. Dressed with proper apparel, safety glasses, no loose clothing.
e. Check to be sure belt guard door is in place and secured.
f. Make sure board to be tuned has all straps tucked away or removed.

UNPACKING

1. Caution! Before connection to power source open cabinet and remove all packaging material from inside the machine.
2. Cut plastic bands and remove the waxer and stand from the boxes.
3. Set the waxer on the stand if supplied.
4. check for any shipping damage that may effect the operation of the unit.

Save the box and packaging in case a return for service is necessary

CONNECT THE POWER SOURCE

WARNING: Improper electrical connection may result in hazards to the operator, and will void the warranty on all electrical component of the machine. For your protection consult an electrician qualified to work on machinery to confirm the proper power source.

1- Connect the waxer to a 115 volt 20 amp three prong grounded outlet. Since the waxer draws 16 amps a dedicated circuit will be required to prevent circuit overload and problems with tripped breakers.

THE FONTAINE TECH WAXER SYSTEM

The Fontaine Tech Waxer is the state of the art in waxing. It combines hot belt waxing with new electronic control technology. **The following introduction is very important information.** All functions of the waxer must be understood before operation. Spend a little extra time right now and carefully read this operator's manual. Learn the machine operation and the care and maintenance required to keep your machine at peak efficiency.

1. **Waxing belt:**A scotch brite belt runs on a 8" diameter aluminum drum. The drum enhances the process by storing and even distributing heat.

2. **Control system:** electronic control system is a high quality process controller as used in factory automation systems. An Infra Red Thermocouple (IRTC) is used to measure the exact temperature of the wax on the surface of the belt. This information is processed through the controller and regulates the Infra Red heater. Important: Keep the IRTC clean! Check the lens of the IRTC daily! If it has any wax build up, clean it with a soft rag. The IRTC is mounted below the heating element on the end close to the access door.

3. **Rotating heating element**: The heating element along with the IRTC that "sees" the actual temperature of the wax on the belt rotates about 90 degrees. This function provides both and instant heat off feature as well as a safety feature in the case of a power failure. When the unit is switched off or power is interrupted the heating element rotates down away from the waxing drum. This eliminates any over heating problem as the drum stops with the heater still emitting heat.

4. **Waxing**: The basis of the scotch brite type belt system is to have hot wax available on the surface of the belt at the exact temperature between liquid and a solid. More heat does not work better! Too much heat and the fully liquid wax flies off the rotating drum. More wax is not better! The belt will hold wax in the fibers until it is saturated. More wax will simply fly off the belt and be wasted, and may cause a dangerous build up of wasted wax in the residue tray.

CAUTIONS

1. Let the waxer heat up to before applying wax. Do not apply wax to a cold drum!
2- Do not over wax! Too much wax just flies off the drum into the residue tray.
3. Do not let the waxer run unattended.
4. Clean excess wax from the residue tray daily.
5. Check and clean the IRTC daily.
6. The waxer cabinet is HOT. Keep hands clear.
7. Do not run the waxer with the door open.

OPERATION

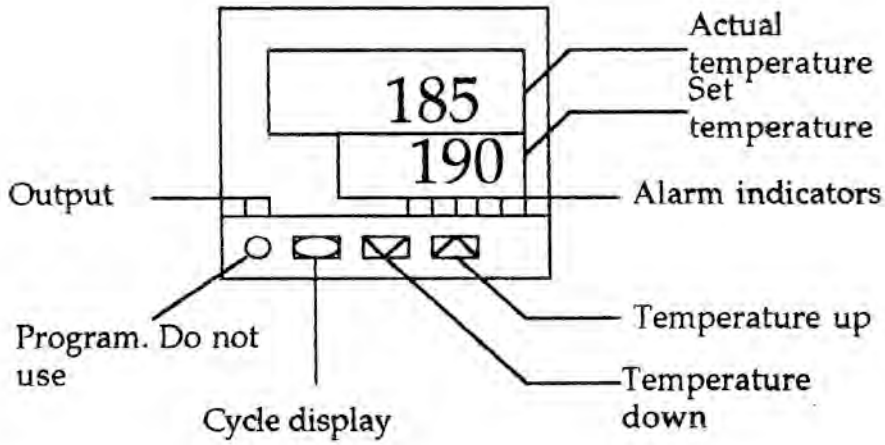
OPERATION SET UP: Before operating read the safety instructions. Make sure that the correct power source is used and all safely needs are met. The operating area must be clear of possible flammables and any hazardous materials. The operating area must be open to prevent possible hot wax spills.

BELT INSTALLATION: Open the belt access door by loosening the two Allen bolts one turn with the 3/16 Allen wrench provided. The bolts secure a split shaft collar on the outside end of the drum shaft. Grasp the door handle and hinge the door open. Turn the drum expansion nut clockwise with the 3/8" Allen wrench provided to contract the drum. Slide the belt over the contracted drum. Make sure that the belt is centered on the drum. Tightened the drum expansion nut by turning it counter clockwise until the belt is tight and the drum is cylindrical. **Important:** Do not over tighten the drum adjustment nut. If this occurs, the drum and belt will not be cylindrical and the drum will become unbalanced. **Note:** The drum is cylindrical when the gap in the adjustment side of the drum is 5/16"

STARTING THE WAXER: Turn on the waxer and let it reach the operating set temperature. It is very important to not apply wax until the operating heat is reached. The operating range temperature is pre set to be variable between 160 and 210 degrees.

SETTING THE TEMPERATURE: The heat control unit is pre set with a heat range between 160 and 210 degrees. A good staring temperature is 190. Simply use the temperature up and down buttons to increase and decrease the wax temperature. The Tech Waxer heat range is pre programed at the factory. Any reprogramming by the user may cause problems.

TEMPERATURE CONTROLLER



APPLICATION OF WAX : After the operating temperature is reached, you may apply wax.Take a standard bar of wax and simply let the belt melt the wax into the fibers of the scotch brite. For skis you might want to use the center area of the drum with an overlap of several inches on each side of the waxing area. For Boards, use the entire surface area of the drum. How much to apply is important. Use two to three passes with moderate pressure.

Caution, do not apply too much wax. After the belt is saturated, excess wax will spin of the drum and will be wasted. It is better to under apply wax and use a test ski or board until you have the right amount than to over apply and waste wax. Another way to test for wax amount is too briefly turn off the waxer after application of the wax and closely look at the belt. If the belt looks saturated and the wax is at the temperature between a solid and a liquid, then you have applied the correct amount. After a little practice the application process will become easy.

WAXING SKIS: Before waxing make sure all safety precautions have been taken. Hold the ski with your left hand on top of the ski with your fingers clear of the base and your right hand on the rear binding. face the waxer with the belt spinning towards you. At a 90 degree angle to the top of the cabinet, slowly drag the ski across the surface of the belt with light to moderate downward pressure. After the first pass, check the base. If the wax is evenly applied your finished. Only one to two passes are required if there is an adequate amount of waxing the belt. With the belt fully saturated, there should be enough wax for about 15 pairs per application.

WAXING BOARDS: Before waxing make sure all safety precautions have been taken. Hold the board by the bindings. **Important:** make sure that all straps are clear of the drum. If they can not be secured within the bindings, remove the straps. Face the waxer with the belt spinning towards you. At a 90 degree angle to the top of the cabinet, slowly drag the board across the belt using light to moderate pressure. After the first pass,check the base. Because most board bases are concave, convex, or a combination of both it may take several passes to wax the entire surface area of the board base. With the belt fully saturated, there should be enough wax for about 5 boards per application.

WHEN TO REAPPLY WAX: After you have waxed boards or several pairs of skis. Wax needs to be reapplied to the belt. The best way to know when to reapply wax is to check the board or ski base after every pass. If the base has too thin a coat or there are spots missing in the application then wax needs to be applied again. When you reapply the wax, make sure the wax has reached the operating temperature. Get to know you machine. Before you go into your regular customer work, you may want to practice on old skis or boards.

WAXING TEMPERATURE: Vigorous waxing may reduce the temperature of the waxing belt. On occasion check the temperature read out. If the temperature has dropped below 180 degrees, stop waxing until the temperature returns to the set temperature. The heat system will automatically return to the designated temperature.

CLEAN UP: After the cabinet heat has reduced, wipe the excess wax from the exterior. The IRTC needs to be checked daily and cleaned when necessary. Use a soft cloth and wipe the wax from the sensor point. To clean the residue tray remove the tray and empty out loose wax. Scrape out the rest of the wax build up with a putty knife or a old wax scraper. Replace the residue tray. Wipe off the heating element after is has cooled completely.