

CLEANING YOUR TOOLS

Clean your tools as they are working by just gently wiping them against a cloth or paper towel while the foam is in a melted state. If you feel the need to clean them even further, you can clean them while they are cold with steel wool.

CHANGING A BROKEN CUTTING WIRE

CAUTION: First unplug the tool.

SCROLL TABLE wires come precut with connectors on both ends. Remove both broken pieces. Slip a new wire through the slit in the table surface and slip the connector over the bottom screw. Pull the flexible arm down and slip the top connector over the top screw. The tension of the arm will hold the wire in place.

SCULPTING TOOL wire replacements are cut to length. Use the Pro Sculpting wire #006P, or the finer #006 wire with the Pro Power. Space the arms 5.5-7 inches apart, never shorter. Wrap the end of the new wire twice around the slot at the end of each arm. Stretch the wire tightly, and crimp both arms at wrap to make a good contact. Use the Sculpting Tool Wire Tensioner Accessory to keep the wire taut. Only use the Crafters replacement wire (#006) when powering the Sculpting Tool with the Crafters Power Supply. Using the Pro wire with the Crafters Power Supply will overheat and ruin the power supply.

FREEHAND ROUTER wires are bolted onto the ends of the tool. Never shorten the wire.

CAUTION: These tools use a special high resistance wire. Using any other kind of wire will short out your unit. Use only factory supplied wire. Shortening a cutting wire will cause the wire to become extremely hot, and will overheat and ruin your power supply.

TROUBLESHOOTING GUIDE

GENERAL

- Check to see that your tool is plugged into the power supply properly and that the power supply is plugged into the wall. If you have a multi or variable heat power supply, make sure that the unit is turned on. Make sure the switch on your tool is in the "on" position.
- If you are plugging your power supply into a surge protector or power strip, make sure the surge protector or power strip is turned on.
- Check to make sure the cord hasn't been melted or cut.

HOT KNIVES

- If the tip is glowing, then use a flat nose pliers (non-serrated) to re-crimp the crimped tip of the knife blade. Blades are only replaceable at the factory.

FREEHAND ROUTER

- Make sure the nuts on the shapeable wires are tight.
- Make sure the nuts where the arms meet the handle are tight.

SCULPTING TOOL

- Make sure the nuts where the arms meet the handle are tight.
- When attaching the wire to the Sculpting Tool arms, make sure it is wrapped tightly. If you're using the Pro Sculpting Tool wire, you may want to use a flat nose pliers (non-serrated) and crimp the wire after you have wrapped it to ensure a solid contact.
- Make sure the hot wire is never shorter than 5.5". If the wire is shorter than 5.5", it will short out the power supply.

LIMITED WARRANTY

This product is warranted for non commercial use within the fifty states of the USA and the District of Columbia as follows: For 90 days from the original date of purchase, HWFF INC. will, at its option repair or replace a defective unit free of charge, if the unit is defective due to an original manufacturer's defect.

This warranty covers normal use and does not cover damage which occurs in shipment or failure which results from alteration, accident, misuse, abuse or neglect. Except as herein expressly set forth, HWFF INC. shall not, under any circumstances be responsible for any direct, indirect, incidental or consequential damage resulting from the use of the equipment. The consumers' sole remedy shall be such repair or replacement as is expressly provided above. SHOULD YOUR UNIT REQUIRE SERVICE, please call us at 805-735-9255 for a return authorization number and further instructions.

Hot Wire Foam Factory

INSTRUCTION MANUAL

PRO POWER & TOOLS

Congratulations! You have entered a new realm of creativity. We hope you enjoy many hours with your new Hot Wire Foam Factory Tools. Call us toll free at 866-735-9255 if you have any questions about the use of our tools.

IMPORTANT SAFEGUARDS

When using Electric Tools, basic safety precautions should always be followed to reduce the risk of fire, electric shock, and personal injury, or death including the following:

1. Read all instructions.
2. Use Hot Wire tools only for their intended use. Use only with polystyrene and polyethylene foams. Ask the manufacturer of the foam you plan to cut to make sure there are no health or safety hazards when cutting their foam with hot wire tools.
3. Use only in well ventilated areas. Open nearby windows or doors, or use an exhaust fan. If you see or smell smoke coming from the foam, turn the heat control knob down to the proper melting temperature.
4. Wear eye protection at all times the Hot Wire tools are plugged in.
5. Do not allow cord to touch hot surfaces. Never carry tool by cord or yank it to disconnect from outlet. Do not allow cords to touch the cutting wires or knife- this may short them and produce fire or electric shock.
6. When not in use, tools should be stored in a dry place, out of reach of children.
7. Don't expose electrical tools to rain. Don't use electrical tools in damp or wet locations. Prevent body contact with grounded surfaces. For example: pipes, or radiators. Unplug Power Supply before leaving it unattended.
8. Do not operate Hot Wire tools in the presence of explosive and/or flammable fumes or materials.
9. Burns can occur from touching the hot cutting wire when it is at normal operating temperature. The Engraving Tool stays very hot for several minutes after the tool is turned off. To reduce risk of burns never touch any metal parts of a hot tool. Never set tools down while they are turned on, as they can cause a fire and short out.
10. Disconnect power cord when changing cutting wire. Follow the instructions for proper replacement of cutting wires.
11. Cutting wires are the only user serviceable parts. Only use special factory provided cutting wires. Replacing with the wrong kind of wire will ruin your unit, and could cause a fire. For any other repair or adjustment return your unit to the factory. Inspect your unit periodically for worn or broken parts.
12. Close adult supervision is necessary for any tool being used by or near children. The appliance is not to be used by persons (including children) with reduced physical sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction. Children not to play with the appliance without supervision.

OPERATING INSTRUCTIONS

UNIVERSAL SINGLE-HEAT PRO POWER



Plug in your Pro Power Station. Some countries require an adapter, which is provided, to plug into their wall receptacle. Plug the tool you have selected into the output plug. An adapter comes with every unit which allows you to plug the tools with the smaller plugs into the output receptacle.

Turn on the switch on the tool handle and start cutting. Be sure to unplug the power supply from the wall when finished.

UNIVERSAL MULTI-HEAT PRO POWER



Plug in your Pro Power Station. Some countries require an adapter, which is provided, to plug into their wall receptacle.

Plug the tool you have selected into the output plug. An adapter comes with every unit which allows you to plug the tools with the smaller plugs into the output receptacle. Make sure the switch on the Pro Power Supply is in the off position. Turn on the rocker switch on the cord. Turn on the switch on the tool handle. Starting with the lowest temperature keep moving the switch to the next hotter position until the desired heat is reached. When you are done cutting turn off tool, power supply and cord switches. This power supply has a special overload protection and will simply stop working if your tool short circuits. It will instantly restart when the problem with the tool is corrected.

VARIABLE-HEAT PRO POWER STATION



Plug in your Pro Power Station. Plug the tool you have selected into one of the two receptacles in the Power Station. The Freehand Router, Pro Knife, and 3D Scroll Tables plug into the big black receptacle marked "Pro Tool." The Sculpting Tool, 3" Knife, 4" Knife, Engraver, Mini and Original Scroll Table plug into the smaller receptacle marked "Craft Tool." Only one tool works at a time. Gently slide a piece of scrap foam against the cutting wire of your Hot Wire Tool. Slowly turn the heat control dial on the Power Station clockwise toward the "HOT" position until the wire cuts easily into the foam. If it begins to smoke, turn the dial back toward the "WARM" position. Be patient, never turn the heat up too high, and do not push too hard against the cutting wire. If hairs form turn the heat up or down. Always turn the dial counterclockwise until the control dial makes a click when you are done cutting, turning the unit off. Unplug Power Station before leaving unit unattended. Requires voltage converter in countries using 220V outlets. Resetting the Fuse: Let your Pro Power cool down, unplug the power cord from the wall and then plug it back in to reset the internal fuse.

DELUXE VARIABLE-HEAT PRO POWER STATION



Follow the same instructions as for the standard Variable-Heat, but with the following exceptions: You can also plug in the 2-Foot Bow Cutter. Only plug in one tool at a time. All of the tools will get about 25% hotter with the Deluxe version, so be even more careful that you don't touch a hot tool, and that you don't operate it near combustible materials. The tools will last longer if you don't operate them at a hotter temperature than is necessary. The brightness of the LED light corresponds to how hot you set the control dial.

CUTTING SPEED & TEMPERATURE SETTING

Be patient, do not push too hard against the cutting wire. When cutting at the right speed the cutting wire or blade never touches the foam, it just melts it in its path. If hairs form you are probably cutting too fast, or cutting a very dense foam.

SCULPTING TOOL & FREEHAND ROUTER



These are creative tools for freehand scroll cutting, sculpting and carving. Making realistic hills and mountains has never been easier. The wire blades can be curved or bent for complex cutting. Turn off the heat control switch and unplug the Tool when bending the wire. Making sharp bends in the wire will limit the wire's life, although replacement wire is inexpensive. The Freehand Router allows use of a heavier wire, which works better for carving. Never shorten the Sculpting Tool wire to less than 5.5" from post to post. Never shorten the Freehand Router wire. Shortening or bending the wire far enough around to touch itself will overheat and ruin your unit and will cause the wire to become extremely hot. Never set tools on metal while turned on. Use the Sculpting Tool Wire Tensioner accessory for making straighter cuts.



PRECISION & LONG ENGRAVING TOOLS

Versatile freehand tools used for sculpting, shaping, holes, writing, drawing, imprinting and much more. Perfect for inscribing bricks, blocks, stones, words, and other shapes for detailed looking walls, abutments, portals, slats, and signs. Takes about 30 seconds to heat up. **CAUTION:** Remains hot for a few minutes after turning off. **Also available, our Probe Tool (#004P) which is 24" long and perfect for drilling holes for cords and cables.**



ORIGINAL SCROLL TABLE

Cuts accurate straight edges, strips, angles, curves, cylinders, cones and more. Simple adjustment for making angle cuts. World's best tool for modeling buildings, walls, columns, signs, slicing slats, and almost anything that is made with expensive wood cutting scroll tables.

To make angular cuts, loosen the big wingnut that holds the silver arm and swing the arm left or right until the wire is at the desired angle, then retighten. A Traveling Fence Kit (#003FK) is available for this tool for making straight and angled cuts, cylinders, and cones.

Also check out our Pro 16" (#003DP) and Deluxe 24" (#003S) 3D Tables, which come with their own manuals.

3" OR 4" & PRO 6" OR 8" HOT KNIFE

These work like combination hand scroll saws and power drills. Cut in any direction with fast clean precision. Always let the heat do the cutting. Force will not make cutting any faster, and will cause blades to break.

The blades are replaceable at the factory only. Use extra caution when using these tools as they become extremely hot. The new Pro 6" Knife cannot be used with the older Variable Pro Powers that have a visible fuse.



Hot Wire
Foam Factory

WEBSITE TIPS AND GALLERY

The Hot Wire Foam Factory website is filled with tips and projects contributed by our foam artists and hobbyists from all over the world. Visit our extensive Artist Gallery and FAQs.

www.HotWireFoamFactory.com

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