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, cat #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. Only use the Crafters replacement wire (cat#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 blades are bolted onto the ends of the tool. Never shorten blades.

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 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 reclip the crimped tip of the knife blade. Blades are only replaceable at the factory.

FREEHAND ROUTER
□ Make sure the nuts on the shapeable blade 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.

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
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 with the wire cutters. Never set tools on metal while turned on. Use the Sculpting Tool Wire Tensioner accessory for making straighter cuts.

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, 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.

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.

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, consequential 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 805-735-9253 for a return authorization number and further instructions.

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 Blade. 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, drawings, 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 and remains hot for a few minutes after turning off.

ORIGINAL HOT 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 is available for this tool for making straight and angled cuts, cylinders, and cones.

4” & PRO 8” OR 6” 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.

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