

## 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. Only use Precision Sculpting Tool Wire (cat#007) or Mini Scroll Wire (cat#007M) with your respective scroll table.

**SCULPTING TOOL** wire replacements are cut to length. 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. 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 KNIFE

- 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.

### SCULPTING TOOL

- When attaching the cutting wire to the Sculpting Tool arms, make sure it is wrapped tightly 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.

### SCROLL TABLE

- If the cutting wire does not heat up, unplug the tool and tighten all of the electrical connections.

## 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](http://www.HotWireFoamFactory.com)



# INSTRUCTION MANUAL

## CRAFTERS 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 cutting for extended times consider using a respirator. Ask the manufacturer of the foam you are using for their MSDS.
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 blades, this may short the tool and power supply and produce fire or electric shock.
6. Close adult supervision is necessary for any tool being used by or near children. Unplug Power Supply before leaving it unattended.
7. When not in use, tools should be stored in a dry place, out of reach of children.
8. DO NOT expose electrical tools to rain. DO NOT use electrical tools in damp or wet locations. Prevent body contact with grounded surfaces. For example: pipes, or radiators.
9. DO NOT operate Hot Wire tools in the presence of explosive and/or flammable fumes or materials.
10. 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 short out and cause a fire.
11. Disconnect power cord when changing cutting wire. Follow the instructions for proper replacement of cutting wires.
12. 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.

# OPERATING INSTRUCTIONS

## CRAFTERS POWER SUPPLIES

### *Read Safeguards Section Before Starting*

Plug the Crafters Power Supply into a wall outlet. Plug in the Hot Wire tool into the Power Supply receptacle at the end of the wire. Gently slide a piece of scrap foam against the cutting blade of your Hot Wire tool until the tool cuts easily into the foam. Be patient, do not push too hard. Let the heat do the cutting. Always turn off the tool and unplug the Power Supply when you are done cutting. This is for your safety. All of these Crafters Tools may also be used with our Single-Heat, Multi-Heat, and Variable-Heat Pro Power supplies.



## ORIGINAL HOT SCROLL TABLE

### *Fast accurate cuts are easy!!*

Cut accurate straight edges, strips, angles, curves, cylinders, cones and more. Perfect 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. 9.75" tall by 9" deep cut, on a roomy 12" by 14" sturdy ABS table. A Traveling Fence Kit is available for the Original Scroll for making straight and angled cuts, cylinders, and cones. Get the Fence Kit accessory to make straight or complex mitered cuts. Also makes cylinders and cones.



## MINI-SCROLL TABLE

### *Simple Precision*

Cut accurate straight edges, strips, angles, curves, cylinders, cones and more. Perfect for modeling buildings, walls, columns, signs, slicing slats, and almost anything that is made with expensive wood cutting scroll tables. Makes a 7" tall by 7" deep cut, on a compact 7.5" by 11.5" sturdy ABS base.



## CUTTING SPEED

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 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.

## SCULPTING TOOL

### *Fast and creative freehand carving.*

This is a creative tool 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.

Never shorten the cutting wire to less than 5.5" from post to post. 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.



**Get the Sculpting Tool Wire Tensioner accessory for making straighter cuts.**

## PRECISION & LONG ENGRAVING TOOLS

### *It's all in the details.*

Versatile freehand tools used for 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.



## 4" HOT KNIFE

### *Plunge, slice and dice!!*

Cut in any direction with fast clean precision. Always let the heat do the cutting. Force will not increase cutting speed, 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.

**Get the Adjustable Sled Guide accessory to control angle and depth of cut with all hand tools.**



**Hot Wire  
Foam Factory**



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