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 Knives and Hot Wire tools only for their intended use. See section on Recommended Use. Use on other materials could cause fire, electrical shock, or toxic fumes. 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 dial down to the proper melting temperature. Wear approved respirator when necessary.
4. Wear eye protection at all times the Hot Wire tools are plugged in.
5. Do not allow the cords to touch hot surfaces. Never carry tools by cords or yank to disconnect from outlets. Do not allow cords to touch the Blades or cutting wires; this may short them and produce fire or electric shock.
6. When not in use, tools and accessories should be stored in a dry place, out of reach of children.
7. 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. Unplug the Hot Knife from wall 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 or Blade when they are at normal operating temperature. 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 cords when changing or reshaping Blades and/or cutting wires. Follow the instructions for proper replacement.
11. Blades, cutting wires and Accessories are the only user serviceable parts. Only use special factory provided Blades and Accessories. Replacing the Blade or cutting wire with the wrong kind of material 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 near children. The Hot Wire tool is not be used by persons with reduced physical sensory or mental capabilities,or lack of experience and knowledge, unless they have been given supervision or instruction. Young adults are never to use hot wire tools without adult supervision.

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.

OPERATING INSTRUCTIONS

Hot Wire Foam Factory

INDUSTRIAL HOT KNIFE

Used by professionals for everything from art installations to cutting SIP and ICF construction panels.

The perfect partner in crime for your 4-Foot Compound Bow Cutter.

Specifications

- INPUT:230V/120V
- OUTPUT:150W
- WEIGHT:21oz/600g
- LENGTH:10.2"/260mm
- WIDTH:2"/50mm
- TEMPERATURE:600F-1,000F

Caution: For Industrial Use Only

www.HotWireFoamFactory.com

INTRODUCTION

The Industrial Hot Knife heats up in seconds and gives the operator temperature control.

RECOMMENDED USE

Expanded Polystyrene (EPS), Extruded Polystyrene (XPS), Polyethylene, Cross-Linked Polyethylene, Polypropylenes, and some other foamed plastics and materials can be easily cut with the Industrial Hot Knife. Always check with the foam manufacturer to make sure there are no health or safety hazards when using hot wire tools.

STRAIGHT BLADE INSTALLATION

CAUTION:
Always unplug the cord of the Hot Knife before installing or removing the Blades. Allow sufficient cooling time for Blades and Blade Holders before handling.

CAUTION:
The Hot Knife Blades have a sharpened razor edge, for the cleanest cut always cut in the direction of the sharpened edge.

1. Loosen the screws on the Blade Holders with the supplied wrench.
2. Slide the Blade under the square pressure plates until snug.
3. Securely tighten the screws to assure the proper electrical connection. Do not over-tighten.
4. Once the Blade is firmly in place, plug the Hot Knife into a standard wall outlet.

CAUTION:
Excessive power output and heat generation may cause the Blade Holders to overheat resulting in damage to the unit. Use only the power needed for proper cutting. The Blade does not need to be red hot to move through foam.

MAINTENANCE

Polystyrene material can build up on Blades and Blade Holders, which interferes with the electrical flow. The Blade Holders and Blades can be thoroughly cleaned with the included wire brush.

LIKE WHAT YOU MADE WITH YOUR HOT KNIFE? TRY OUR OTHER INDUSTRIAL TOOLS!

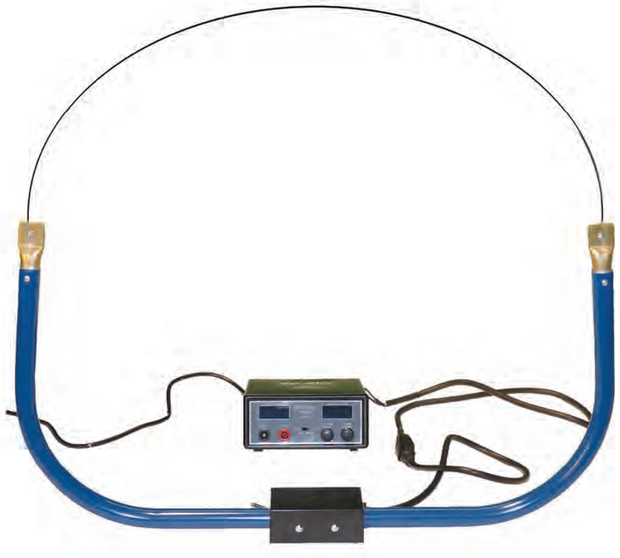
4-Foot Compound Bow Kit

Our big and versatile Bow Cutter.

This monster will get those unwieldy 4x8-foot foam blocks and sheets knocked down to manageable sizes in no time.

Made for pros, it's fast, agile and built to last, yet light and comfy to hold. And, it is 1/3 the price of the competition.

Or, choose the 2-foot mode for creative sculpting. It's the ultimate hot wire hand-cutter for big jobs.



Industrial Router Kit

Toss out your chain saw.
This cutter is fast, fast, fast.

The shapeable 32-inch blade will fly through foam like it's made of thin air. Comfortable two hand grip with on-off switch on the tool.

"We used this for a large scale foam build and it was a game changer for us. We cannot recommend this enough."

~ Chris Davis, Davis Graveyard

www.HotWireFoamFactory.com

OPERATING INSTRUCTIONS
INDUSTRIAL HOT KNIFE ACCESSORIES

6" & 4" KNIFE BLADES

The thick ultra-rigid 6-Inch Blade is the standard Blade that comes with the Industrial Hot Knife. When cutting at high heat settings try to keep the entire Blade embedded in the foam to prevent the end from warping. The 4-Inch Blade will get hotter than the 6-Inch and is used on materials requiring very high cutting temperatures.

12" SHAPEABLE ROUND HOT WIRE

This long hand-shapeable Hot Wire is best for creative cutting and scooping out large chunks of foam. To mount, insert the ends so they bottom out in the Hot Wire mounting slots, and firmly tighten the bolts. Can also be mounted on the Sled.

CAUTION:
Never let the Hot Wire cross itself, as this will cause overheating and create a short circuit.

12" SHAPEABLE FLAT HOT WIRE

For making long smooth grooves we offer two versions. One with twisted ends for mounting directly on the Knife. The other with straight ends that mounts on the Sled Guide.

12" SEMI-RIGID SHAPEABLE FLAT HOT WIRES

Hardened to hold its shape, but not easily reshaped. It is best to keep separate Hot Wires for each shape you require. Can be used with or without the Sled. Form it before putting into the Sled.

SLED

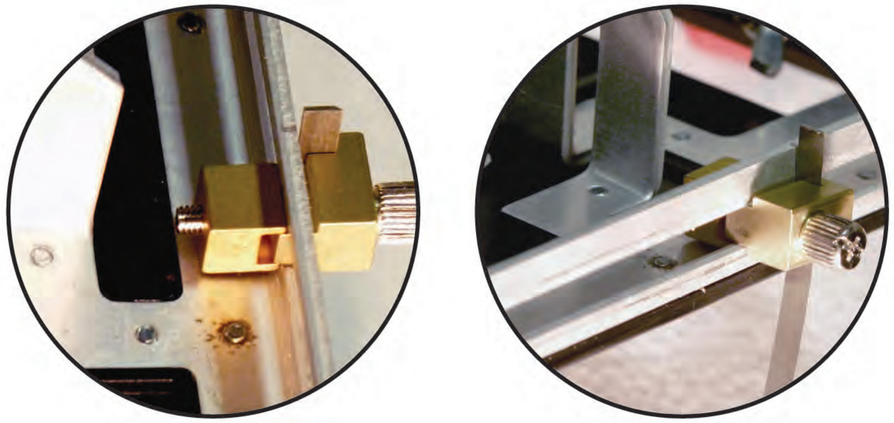
Used to control the depth of grooves and to make uniform moldings.

SLED HOT WIRE MOUNTING

Shape the 12-Inch Hot Wire, then insert the ends of the Hot Wire into the Wire Holders on the Sled. The Holders slide horizontally for achieving a wide or narrow cut. Slide the Hot Wire up in the Holders until the correct depth is attained. Tighten in place with the bolts.

The 12-Inch Shapeable Round and Flat Hot Wires can be used in place of the Semi-Rigid Hot Wire when absolute rigidity is not required.

CAUTION:
Turn the temperature control dial down to the middle setting when shortening the Hot Wire to less than 6 inches.



POWER UP

After the Hot Wire is firmly mounted on the Sled, attach the Sled to the Hot Knife slots in the same way that the Rigid 6-Inch Blade was attached.

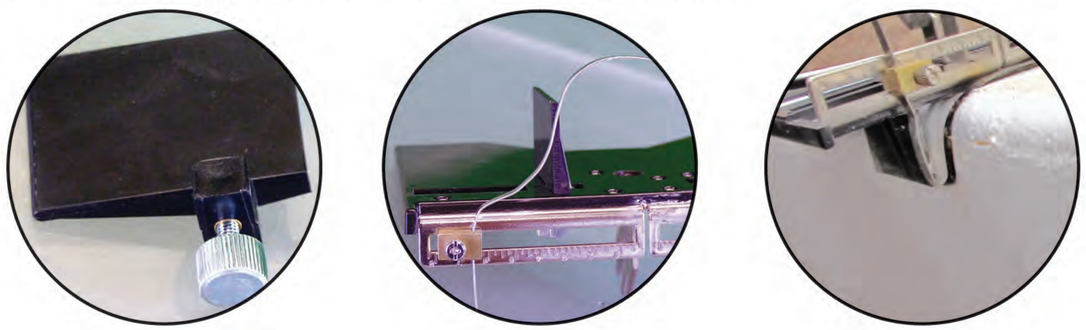
Visit our extensive Artist Gallery and FAQs.
www.HotWireFoamFactory.com

Various Cuts

Here are a few basic Hot Wire configurations. By saving your shaped Hot Wires, very complex shapes can be cut over and over again.

Sled Edge Guide

The Sled Edge Guide is for guiding the Sled along an edge that is being rounded or shaped, or for making a groove that is close to an edge.



Guiding The Sled

Using a straight-edge attached to the foam works well for making straight cuts, demonstrated in the image below.

OPERATION

The temperature control dial has 16 click settings that correspond to the graduated ridges on the dial. The smaller the ridge, the lower the power setting.

Put your temperature control dial at a midrange setting, place the Blade against the edge of the foam and depress trigger. Optimum cutting should be virtually smoke free. For the best results, practice on scrap pieces of foam.

When cutting foam it is best to keep the temperature and speed consistent. If the Blade is too hot and smoke develops during the cut, or you are cutting too slow, this could result in an oversized or uneven cut. This can be remedied by lowering the temperature and intermittently releasing the trigger during your cut. As the cutting resistance increases, depress the trigger again. The Hot Knife will reach the set temperature within seconds. You can accomplish your cut with minimal smoke using this process. Cutting in this manner will also prolong the life of the Hot Knife and Blade.

Releasing the trigger one or two inches prior to the completion of the cut will help keep the Blade clean and free from buildup.
The selected cutting Blade should not be longer than 3/4" past the thickness of your foam board. The foam cools the blade as it cuts. The exposed portion can overheat and cause your Blade to warp.

Caution:

- Consult the foam manufacturer's safety data sheet for flash points and toxicity of the material to be cut.
- Always operate the Hot Knife in a well ventilated space, and/or use an appropriate respirator.
- Never burn off excess residue on the Hot Knife Blade. The Blades will overheat, warping the Blade and potentially overheating the Hot Knife.
- Only operate the Hot Knife when it is in contact with the foam.
- Keep hot Blades away from skin, clothing and other flammable materials.
- Allow Blades to cool before handling. A hot Blade may cause injury or burns to exposed surfaces.

Made In China Exclusively For Hot Wire Foam Factory