

This desktop hot wire cutter is available for customers to use for cutting and shaping styrofoam and expanded polystyrene.

Cutting foam will produce fumes, so use the extraction provided and also be cautious about the hot wire during operation to avoid burns.

PLEASE NOTE: THIS HOTWIRE CUTTER IS USED AT YOUR OWN RISK

STEP 1: SETTING UP THE CUTTER



a. Make sure the wire is taught by tightening the wire on the top of the arm.

b. Check that the wire is vertical. To set an angled cut, loosening the 2 screws on the spool carrier and slide along the arm and tension the wire as usual.

c. Set up the guide bar to the correct position or mark on the Styrofoam where you want to cut. You can also use a template.

STEP 2: ADJUSTING THE WIRE TEMPERATURE



Adjust the temperature regulator (A) based on the material you are cutting.

Lower temperatures are suitable for softer materials, while higher temperatures are needed for denser ones.



Move the adjustable arm into position just above the wire and turn on the extractor.

STEP 4: CUTTING

Turn on the power, the wire will heat very quickly and if it gets too hot it will break. Carefully guide the material trough the hot wire, moving the material steadily and smoothly to achieve clean and even cut. Take your time, especially if you're new to using the tool.

STEP 5: TURN OFF

After completing your cut, immediately turn off the hot wire cutter and then the extraction.

STEP 6: EXPERIMENT & PRACTICE

Practice on scrap pieces of material to get a feel for the hot wire cutter and understand how different temperatures affect various materials.

IF THE WIRE BREAKS



Turn the knob on the front anti clockwise and remove the broken wire.





Loosen the wire on the arm, pull out some more wire put it into the hole in the bed and tighten the knob on the front of the machine.





Reset the tension on the wire and check the wire is vertical.