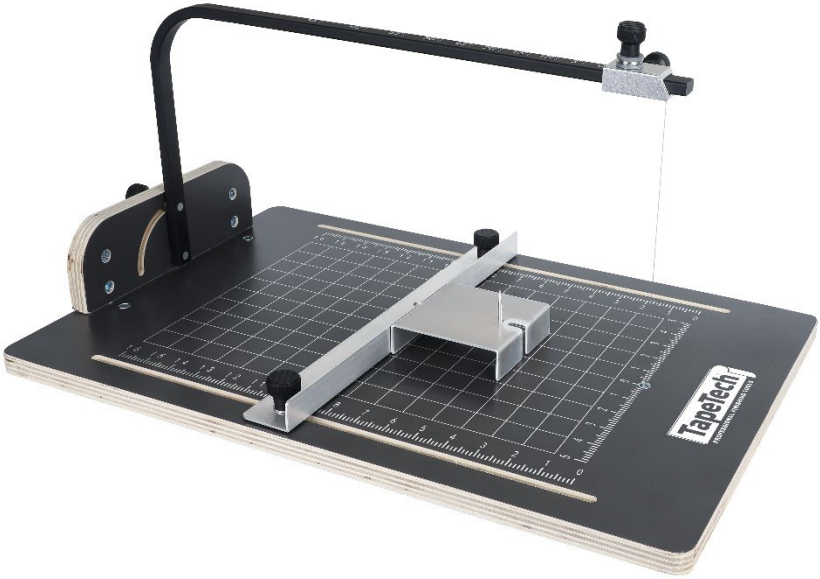
EHWTTOP6 – Hot Wire Cutting Table
User Manual



EHWTTOP6 Hot Wire Cutting Table is ideal for cutting EPS, XPS and other types of foam into various shapes for ornamental use. It quickly and efficiently makes vertical, angled, cylindrical and conical cuts. It is extremely portable and versatile when projects require small pieces and aesthetic shapes.

- Please read these instructions carefully before operation
- Take special note of the guidelines and safety prompts in these instructions to avoid injury to yourself, other people and objects, or damage to the tool.

TapeTech Tools

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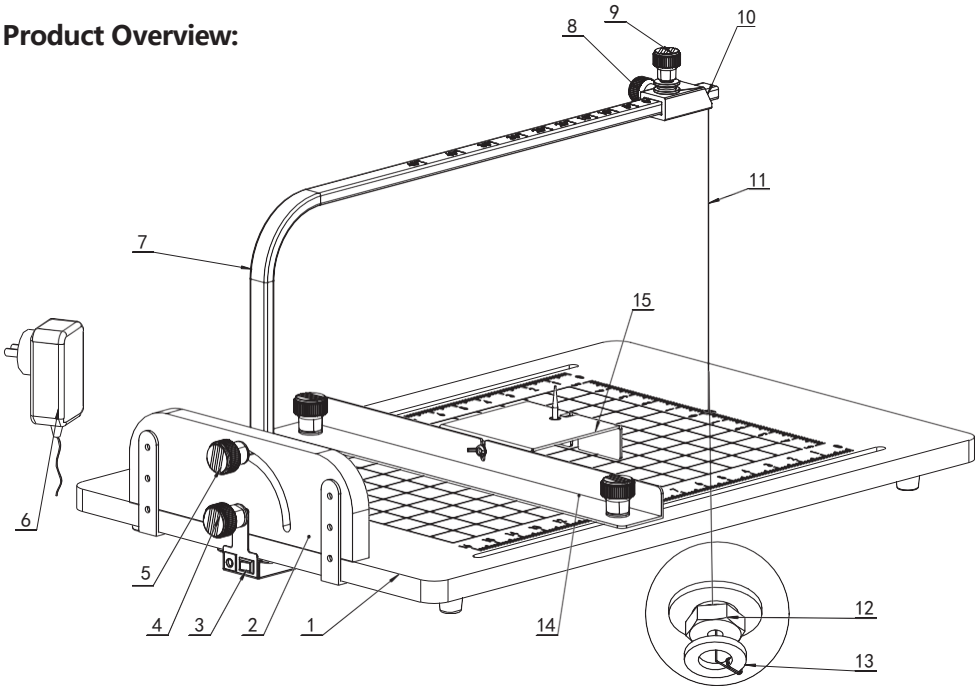
Product Overview:



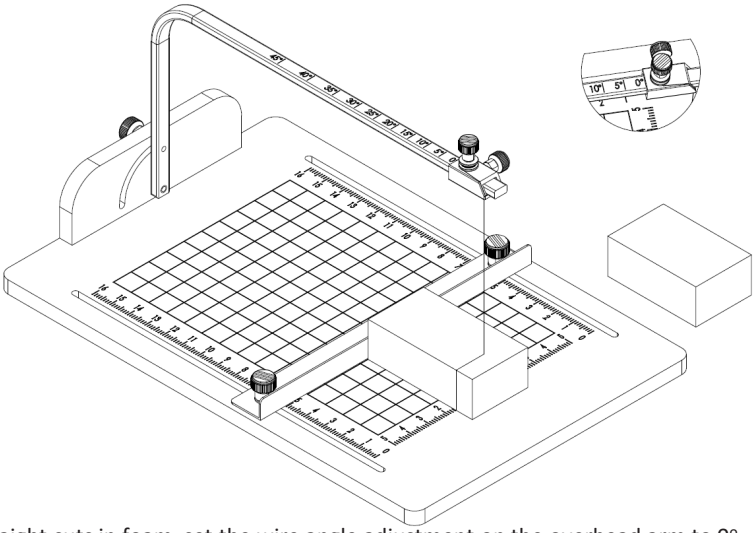
1. Tabletop
2. Side Panel
3. Power Switch and Power Assembly
4. Connecting Cantilever Conductive Nut
5. Overhead Arm Adjustment Knob
6. Power Adapter
7. Overhead Arm
8. Hot Wire Angle Adjustment Screw
9. Hot Wire Roll Tightening Knob
10. Conductive Groove
11. Hot Wire
12. Hollow bolt
13. Hot Wire Washer
14. Adjustable Guide Ruler
15. Circle cutting attachment

Technical Data:

Table Size	16” x 24” (400mm x 600mm)
Diameter of Hot Wire	ϕ 0.18mm
Replacement Wire	EHW106
Cutting Height (Max)	9.45” (240mm)
Adjustment Range of Wire	0 - 45°
Input Power	100-240V
Output Power	15V , 1.6A
Overall Dimensions	27” x 20.5” x 6” (690mm x 520mm x 150mm)
Gross Weight	10.6 pounds (4.8kg)

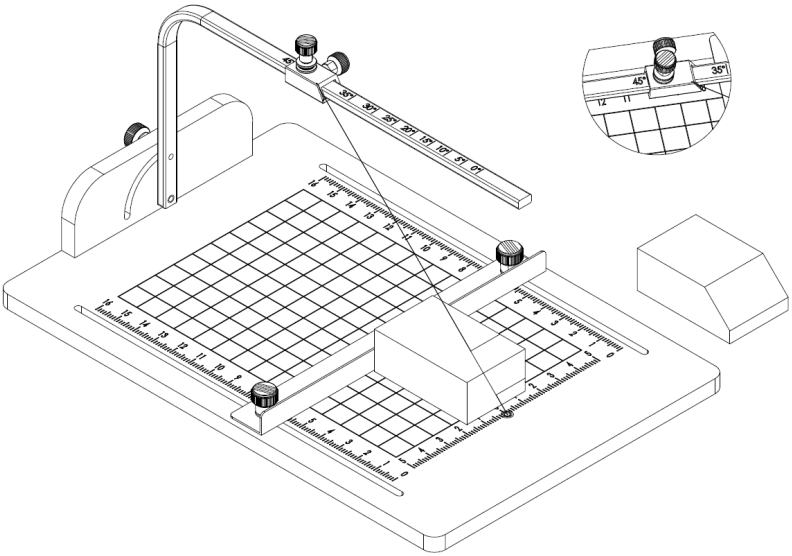
Cutting Foam Shapes with EHWTTOP6

Straight Cuts



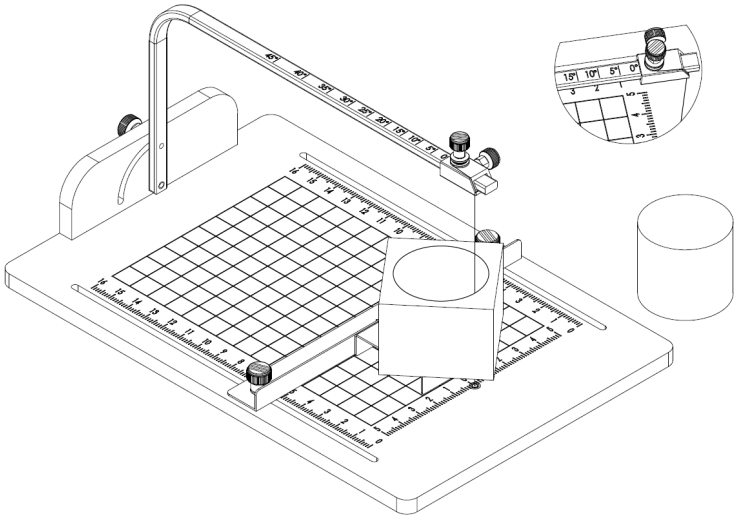
To make straight cuts in foam, set the wire angle adjustment on the overhead arm to 0º.
Adjust the cutting guide to the desired measurement and tighten the knobs.
Turn on the power to the hot wire and move the foam through the wire at a consistent speed.

Angled Cuts



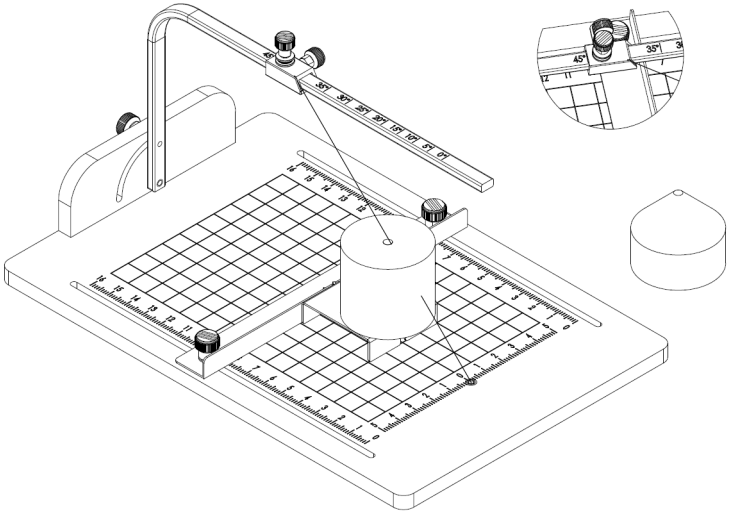
To make Angled cuts, adjust the wire to the desired angle using the scale on top of the overhead arm. Now, adjust the cutting guide to the desired measurement and tighten the knobs. Turn on the power to the hot wire and move the foam through the wire at a consistent speed.

Circular and Cylindrical Cuts



Circles and Cylinders can be cut using the circle cutting attachment. First, set the angle adjustment to 0º. Adjust the cutting guide to the desired measurement and tighten the knobs. Mount the foam on the circle cutting adapter. Move the foam into the wire and then rotate the foam 360º. Exit the foam at the same point as the wire entered the foam.

Conical Cuts



To make Conical cuts, adjust the angle of the wire to the desired angle using the scale on top of the overhead arm. Now, adjust the cutting guide to the desired measurement and tighten the knobs. Mount the foam on the circle cutting attachment. Turn on the power to the hot wire. Move the foam into the wire until the top of the wire is in the center point. Now, rotate the foam 360º and then exit the foam at the same point the wire entered the foam.

Operating Manual and Precautions

1. Always operate the foam cutter in a well ventilated space.
2. Be sure the hot wire is taut but do not overtighten or the wire can break prematurely.
3. Do not touch the hot wire when power on. It is advised to wear gloves when operating the machine.
4. When changing the cutting angle, remember to turn off the power, readjust the length of the electric heating wire and ensure that the wire is neither too tight nor too loose.
5. When performing vertical or angled cuts, it is necessary to tighten the plastic nuts used for fastening.
6. When cutting precise circles, it is necessary to mark some dimensions on the foam, locate the center of the circle when cutting, align it with the cutting edge, and rotate it at a uniform speed. This process can produce a higher quality cut.

Troubleshooting

1. Broken Hot Wire
   Turn off the power, then re-wrap the wire around the Hot Wire Washer (Part 13 in the Schematic on Page 2) by wrapping it approximately 3 turns, then tightening the Hot Wire Roll Tightening Knob (Part 9).

2. Hot Wire does not heat
   1) After turning off the power, check if the Conductive Nut (Part 4) in the middle of the side panel is loose.
   2) Check whether the hot wire has moved out of position.