TABLETOP GLASS CUTTER

SETUP INSTRUCTIONS

Thank you for purchasing the tabletop glass cutter. The cutter was designed as an affordable large sheet glass cutter for use in both home and commercial studios. The cutter comes with all hardware necessary for installation, but you will need to provide the base table for mounting the cutter.

For the three foot bar, we recommend that your table be at least four feet square. (The two foot bar will work with a smaller table.). We also recommend that the top of the table be made of 5/8" to 3/4" thick plywood or 5/8" Medium Density Fiberboard (MDF). (Metric measurement: at least 15 mm, preferable 19 or 20 mm thick.)

Your cutter comes with the following parts:

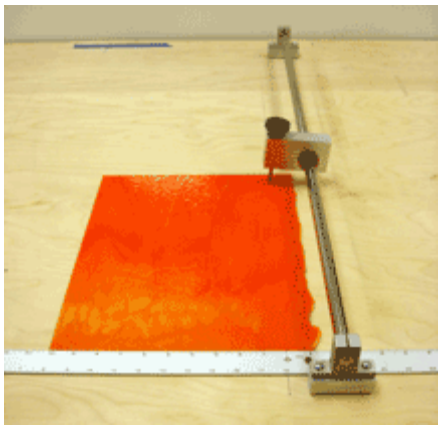
One cutter bar assembly, already assembled. This has the main cutting bar with a support at each end and the cutting head already attached. The standard bar is three feet (91.4 cm) long, but we also provide bars that are two feet (61 cm) long.

One metal center finding ruler. This ruler is 36" long, with zero indicated in the middle. The ruler is measured in inches and has adhesive backing on the backside. If you wish, you can replace the ruler with any metal straightedge.

Necessary screws and mounting.

To install the cutter, you will need the following items:

Permanent marker or pen
Medium Phillips screwdriver
Two foot or larger carpenter's square (the larger the better)
One scrap piece of clear 3mm thick glass



Three foot bar shown at left

INSTALLATION

1. Begin by finding the center of the front of the table. The front of the table is the side you intend to cut from, and the center is where you want the glass cutter to cut the glass.
2. Using your square and the marker, draw a line down the center of the table from the front to the back. We will call this the "cutting line."
3. On the line you just drew, measure four inches from the front of the table.
4. Again using the square and marker, draw a second line perpendicular to the center line at the four inch mark. We will call this the "ruler line." When you're finished, you will have drawn a large upside-down capital "T" on the table top.
5. Take the ruler and place it parallel to the front of the table. Line up the inside edge of the ruler (the edge farthest from the front of the table) with the ruler line. The zero of the ruler (right in the middle) should line up with the cutting line. Don't secure the ruler yet, just lay it in place.
6. Working from the front of the table, place the cutter assembly so that the round rod is parallel to the center line drawn on the table. One mounting bracket should be at the far side of the table from you, and the second bracket should be close to you and just beneath the ruler. The cutting head assembly should be swiveled so that the cutting head is to the left of the bar.
7. Place a piece of scrap clear glass on cutting line. Position the cutter head on top of the glass and directly on the cutting line. Be careful not to bang the cutting head on the glass.
8. The support closest to you should still be beneath the ruler. Using two large screws provided, secure the support to the table. Do not secure the support on the far side of the cutter yet. We need to affix the ruler before attaching the second support.
9. Secure the ruler to the table top by removing the tape covering the adhesive on the back of the ruler. Be very careful to align the ruler so that it the center zero mark is lined up with the cutting head and the far edge of the ruler is precisely on the ruler line. The tape should hold the ruler firmly in place, but if you want you can also use small wood screws to secure the ruler (these screws not provided).
10. Now you're ready to line up the second support. Using your cutting line as a guide, slide the cutting head up and down the line, making certain that the head is on the line in all places. Once this is done, mark the location of the far support just in case it moves slightly. Then use the two remaining large screws to securely fasten the far support to the table.

Your cutter is now ready for its first use.

Having trouble? Just send an email to wg@warmglass.com or give us a call at 336 712 8003 and we'll be glad to help.

INFORMATION FOR TABLE

Screws for attaching to a wooden table are included. Tables can be made of an alternative material, but other screws may be required.

- The three foot (91.4 cm) bar requires a table depth (front to back) of at least 3 1/2 feet (107 cm). Side to side, the table should be at least three feet (about one meter), but a longer table allows for cutting larger pieces of glass. The table in our studio is four feet (123 cm) deep and five feet (152.4 cm) from side to side.
- The two foot (61 cm) bar requires a table depth (front to back) of at least 2 1/2 feet (76 cm). The length (side to side) of the table should be at least 2 1/2 feet (76 cm), but a longer table allows for cutting larger pieces of glass.
- A comfortable working height for the table is 35 inches (89 cm), but this can be adjusted as desired. Most people use the cutter from a standing position.
- The thickness of the table top should be no less than 1/2" (13 mm). A thickness of 5/8" to 3/4" (15 to 20 mm) is preferable.

CUTTER MAINTENANCE

The cutter requires minimal maintenance, but there are a few steps that can be taken to ensure a long life.

- When required (we do this about monthly), lubricate the cutter head with a small amount of cutting oil. We use mineral spirits, but any standard lightweight cutting oil can be used. For glass fusing, mineral spirits will burn off during the firing, while other kinds of oils may require additional cleaning prior to firing.

- The easiest way to lubricate the cutter head is to dip a clean cloth or small piece of paper towel into the cutting oil, then gently rub it onto the cutting head. Do not over lubricate the head; only a few drops of oil should be necessary.

- If the cutting mechanism does not move freely on the central bar, the bar may require lubrication. There are two ways to do this.
    - For a quick fix, apply a small amount of silicon spray to the bar, then wipe away with a clean cloth.
    - For stubborn sticking problems, remove a support from one end of the bar (you will need an allen wrench to do this). Then slide the entire cutter head mechanism from the bar and lubricate the inside of the bearing with silicon spray. Then replace the cutter head and the end support.

- The standard Toyo cutter head fits the tabletop cutter. We use the wide TC-17 head (also called 2009TH or 2017HSV), but the narrow Toyo head that fits their pistol grip cutter (2009 or 2017HPV) may also be used.