

How to use MDI Glass Cutters

Please read the following advices to improve your cutting with MDI glass cutters.

- 1. Choose the correct wheel for your glass**

The angle as well as the size of the wheel determines how much pressure you need to penetrate the surface of the glass. The smaller the angle or the wheel itself, the less pressure is needed. Generally speaking, smaller angles / low pressure are appropriate for cutting thin glass, whereas thicker glass is easier to cut and break with larger angles / more pressure. We recommend lower pressure as normal when using our **Penett®** glass cutters.
- 2. Use a cutting lubricant**

Cutting oil is the best lubricant. Use the pipette to put the oil into the self-lubricating glass cutters. Our UNI-FLOW system ensures oil-flow only when cutting. We recommend using cutting oil for glasses thicker than 2mm only. However **Penett®** glass cutting wheels are usually used for dry cutting only, as lubricant and glass particles may deposit between the notches and influence the cutting quality.
- 3. Make sure the temperature of the glass is optimal for cutting**

When glass is cold, it can become more difficult to cut. Comfortable room temperature conditions are favorable. If your glass is cold, consider warming it up before attempting to cut it.
- 4. Work with your full body**

For the most even scribe, stand up and away from the worktable. Keep the cutter wheel perpendicular to the glass with the handle held 50° angled back towards your body. Then move your whole body – not just arm or hand – for the most even scribe. A handle with a rest for the index finger will let you apply pressure down on the scribe line. Use your middle finger to guide the wheel.
- 5. Scribe the smoother side of your glass**

Often one side is smoother than the other, avoid cutting on coating if not necessary. Clean the glass surface before scribing.
- 6. If possible, position your scribe line so that there is an equal mass of glass on either side of the scribe line**
- 7. Concentrate on applying even pressure and uniform speed.**

Listen for a smooth consistent sound as you scribe. When using **Penett®** glass cutters, the sound should not be scratchy.
- 8. Never scribe twice over the same path**
- 9. When cutting curves, consider running your scribe from the interior of the glass sheet**
- 10. Break out your glass immediately after scribing**

