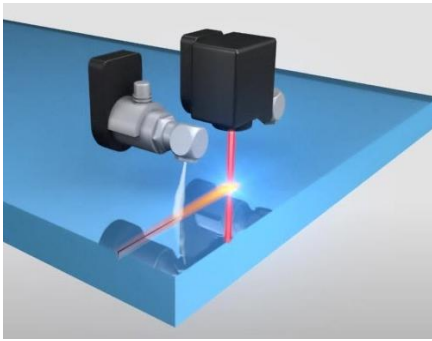


You are looking for possibilities to process ultra-thin glass ?  
MDI Advanced Processing GmbH offers customized solutions.

# Ultra-Thin Glass Processing



CO<sub>2</sub> laser technology

Looking back at more than 20 years of experience in laser cutting of ultra-thin glass, the patented CO<sub>2</sub> laser technology of **MDI Advanced Processing GmbH** made use and handling of ultra-thin glass possible.

## The CO<sub>2</sub> Laser Technology

A collimated laser beam heats up the glass, closely followed by a cold jet of air or air / liquid mixture. This thermally induced tension causes a precise fissuring of the glass resulting in a maximum quality cut in terms of edge quality and strength.

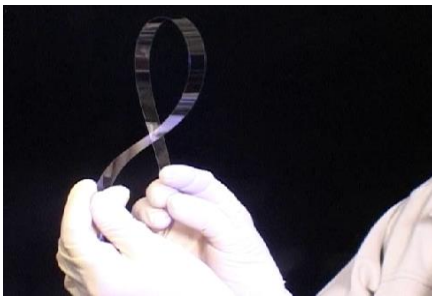
## Use in Industrial Production

Our innovative technologies and advancements provide our customers the wide range of benefits of curved glass applications not only in the experimental phase, but also in industrial production:

- highly durable cutting edges without micro cracks
- roll-up of glasses with thickness from 30 µm to 200 µm
- even free-shape cutting possible (limited)
- edge strength 3 to 4 times higher compared to conventionally cut glass
- no chippings, no material loss, no additional tensions inside the glass
- substrate size up to 1200 mm x 1700 mm

**MDI Advanced Processing GmbH** would like to inform you in detail about our products and demonstrate how incorporating Green Laser processing will benefit your company.

Please contact us if you should have any questions or if you are interested in a live demonstration of our technologies.



High flexibility due to high edge strength



Thin glass cutter TGC

MDI Advanced Processing GmbH  
Obere Austrasse 6  
55120 Mainz  
Germany  
Phone: +49 (0) 61 31 / 73 21-0  
Fax: +49 (0) 61 31 / 73 21-101  
E-mail: [sales@mdi-ap.com](mailto:sales@mdi-ap.com)  
[www.mdi-ap.com](http://www.mdi-ap.com)

**MDI**  
**MDI Advanced Processing GmbH**