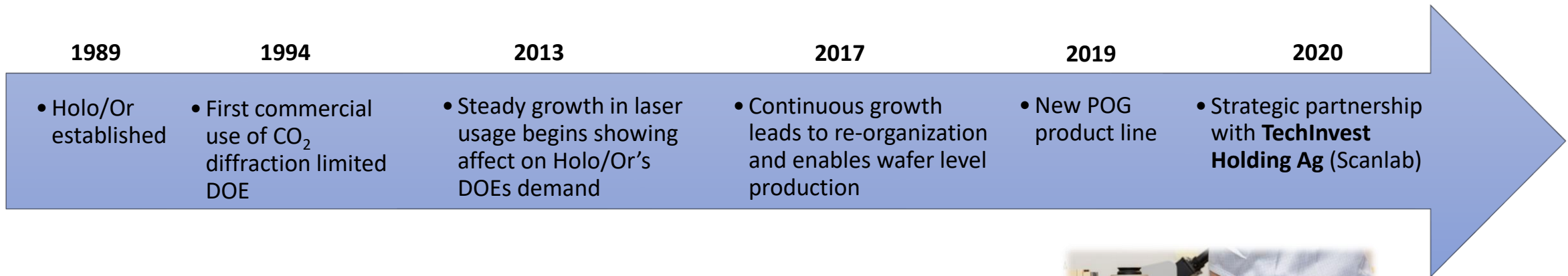




**HOLO/OR**

A VISION OF EXCELLENCE

# Holo/Or is the world leader for Diffractive Optics

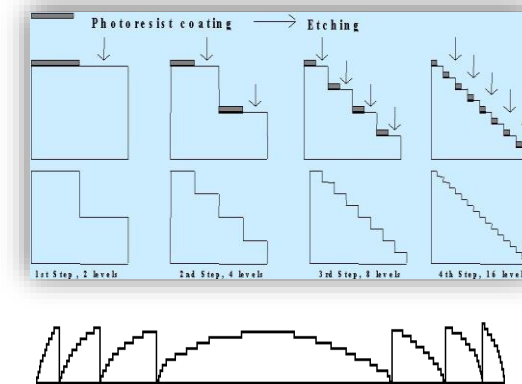
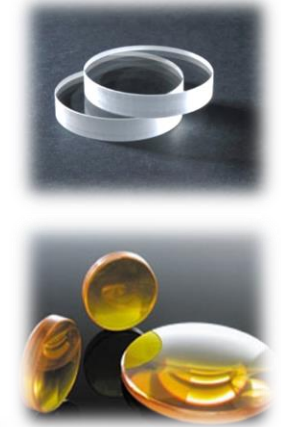
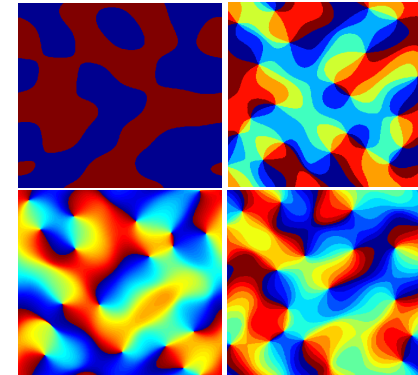


- First to deliver DOEs for commercial use
- Break through technology
- Vast experience & expertise
- Diverse and extensive collection of beam shaping solutions



# Holo/Or develops, designs and manufactures DOEs

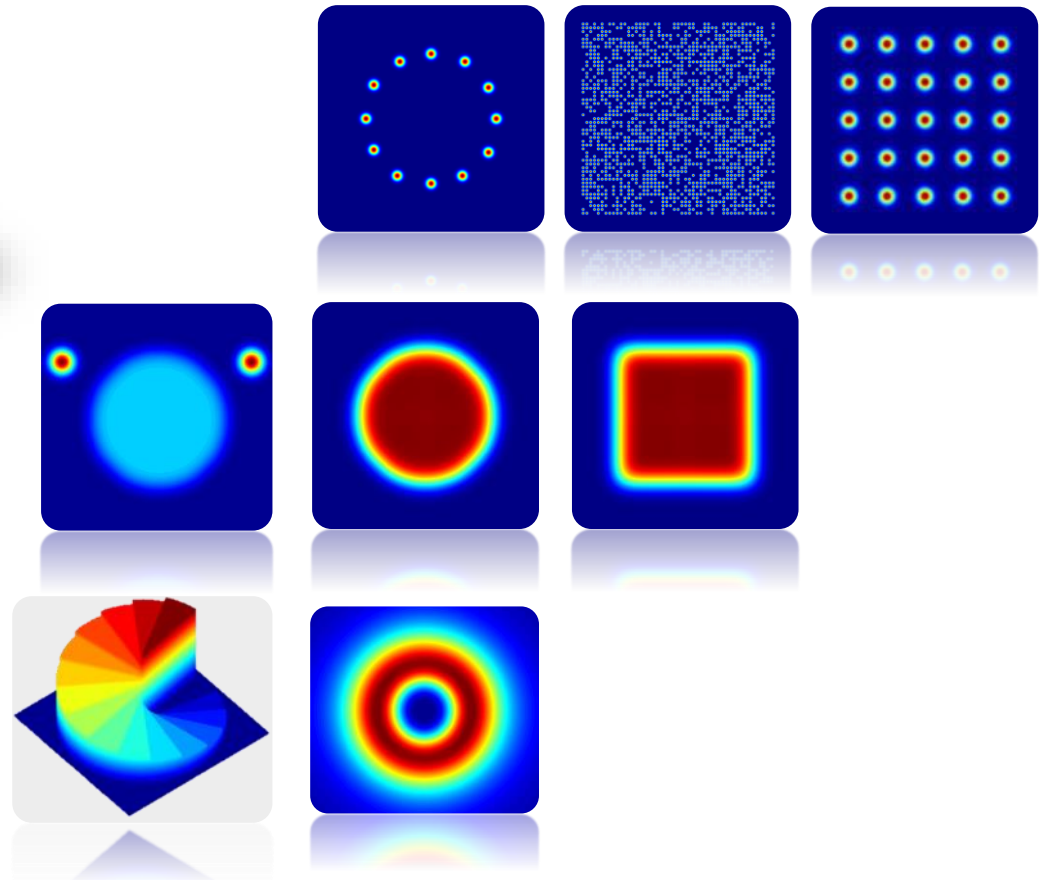
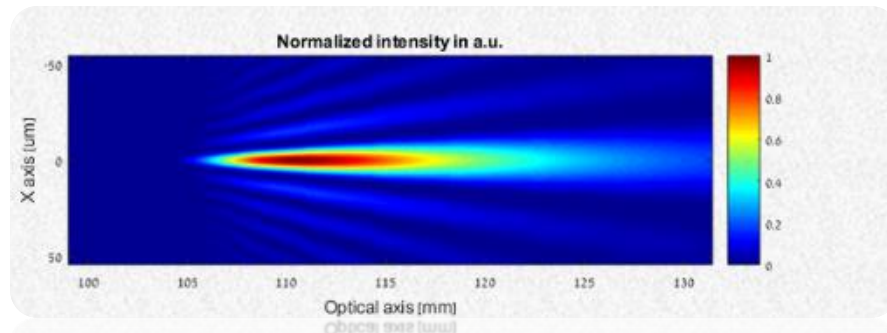
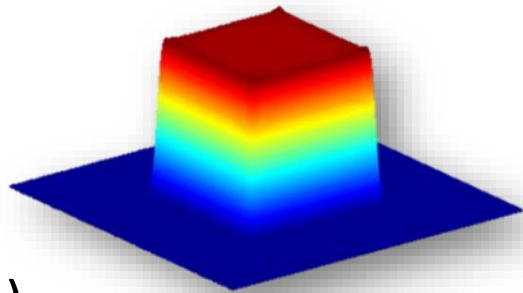
- DOEs are thin diffractive windows that shape light
- Any desired intensity profile or shape
- In many applications DOEs **significantly improve system performance**
- DOEs advantages:
  - High (absolute) angle precision
  - High LDT
  - Thin & compact
  - Flexible shaping in single surface



# The power of Diffractive Optics

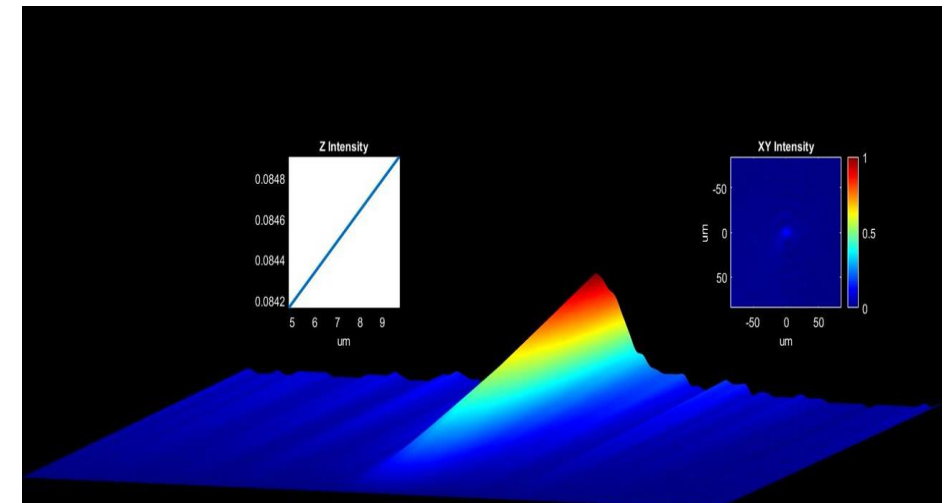
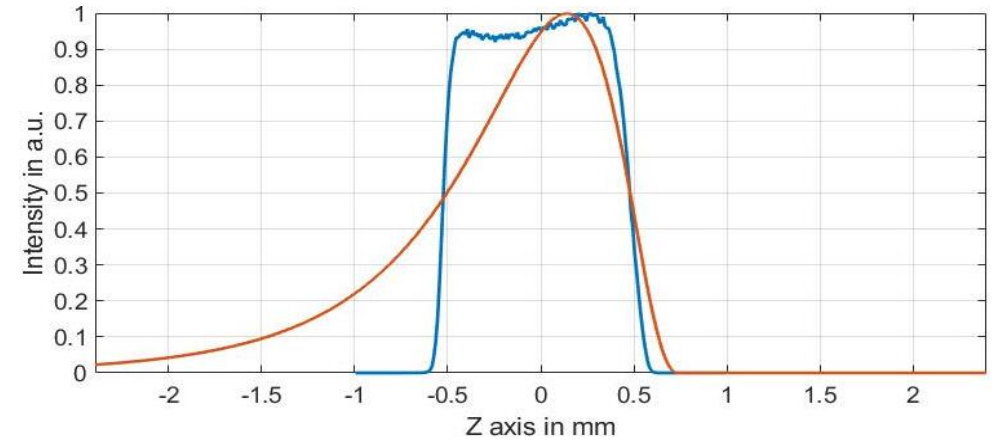
Main DOE families:

- Beam Splitters
- Beam Shapers
- Beam Foci (Focal shapers)



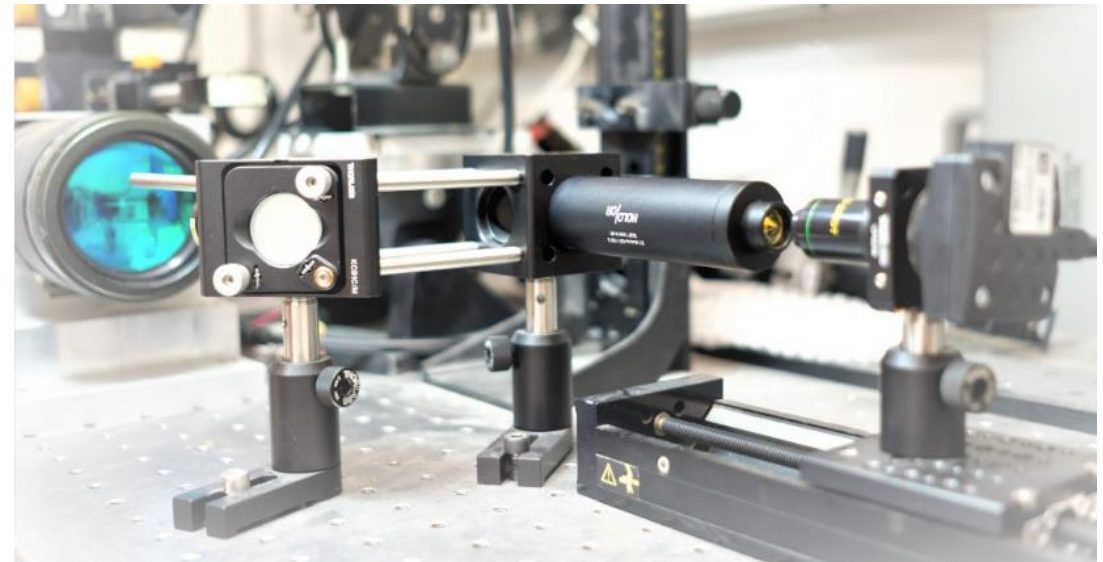
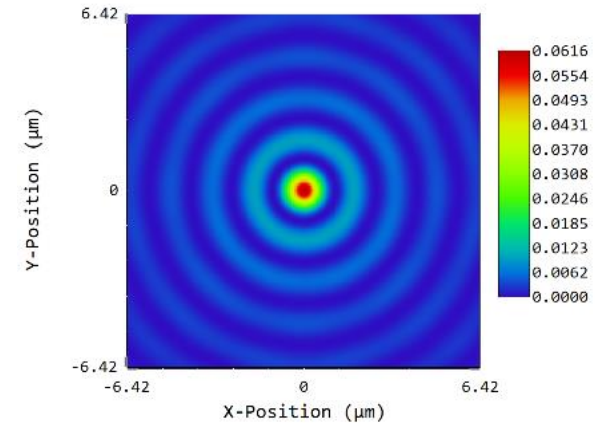
# DeepCleave™ Glass cutting Module by Holo/Or Ltd.

- Input: 6mm diameter single-mode laser beam
- Output: Tight spot with  $\sim 1.8 \mu\text{m}$  waist size along the **entire Depth of Focus** (1-2mm typical range )
- Equivalent to NA =0.35 objective and is ideally suited for glass cutting of thick glasses, such as flat panels
- A **complete optical solution** for cutting applications
- No need for additional high NA objectives or other high cost optics



# DeepCleave™ Glass cutting Module by Holo/Or Ltd.

- Each Module is individually tested for performance using our custom built automatic setup
- By adjusting beam size the Flat top slope in Z can be changed
- Straightforward Installation & calibration procedure is provided in attached manual



# Thank you!

## Feel Free To Ask Questions

For more detailed follow-up, contact us at : [holor@holor.co.il](mailto:holor@holor.co.il)

