

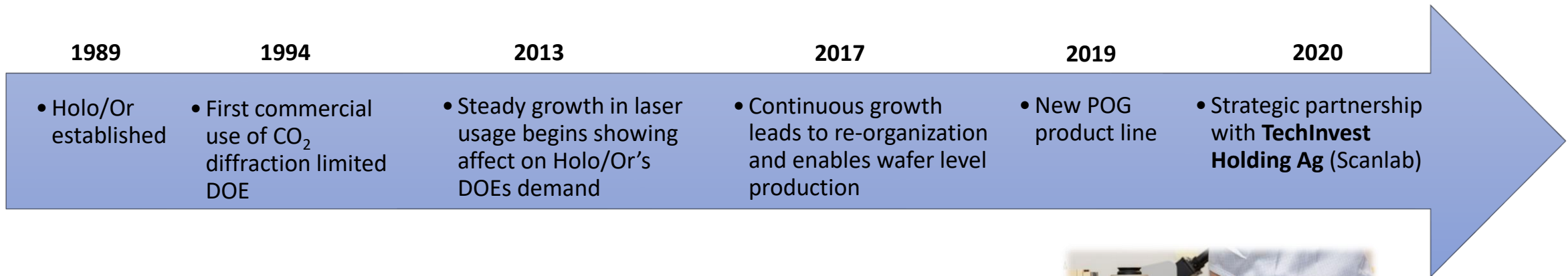


**HOLO/OR**

A VISION OF EXCELLENCE

**HOLO/OR**

# Holo/Or is the world leader for Diffractive Optics

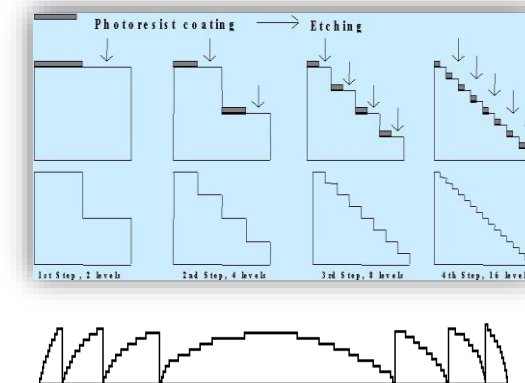
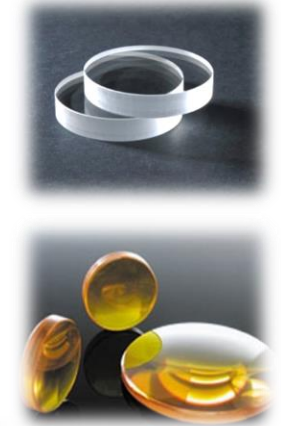
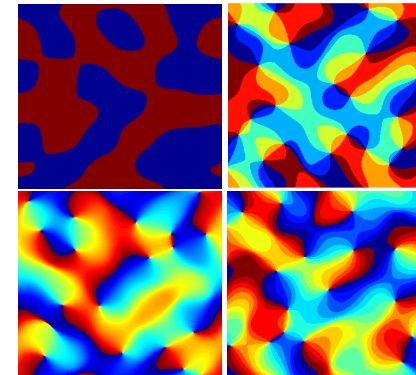


- First to deliver DOEs for commercial use
- Break through technology
- Vast experience & expertise
- Diverse and extensive collection of beam shaping solutions



# Holo/Or develops, designs and manufactures DOEs

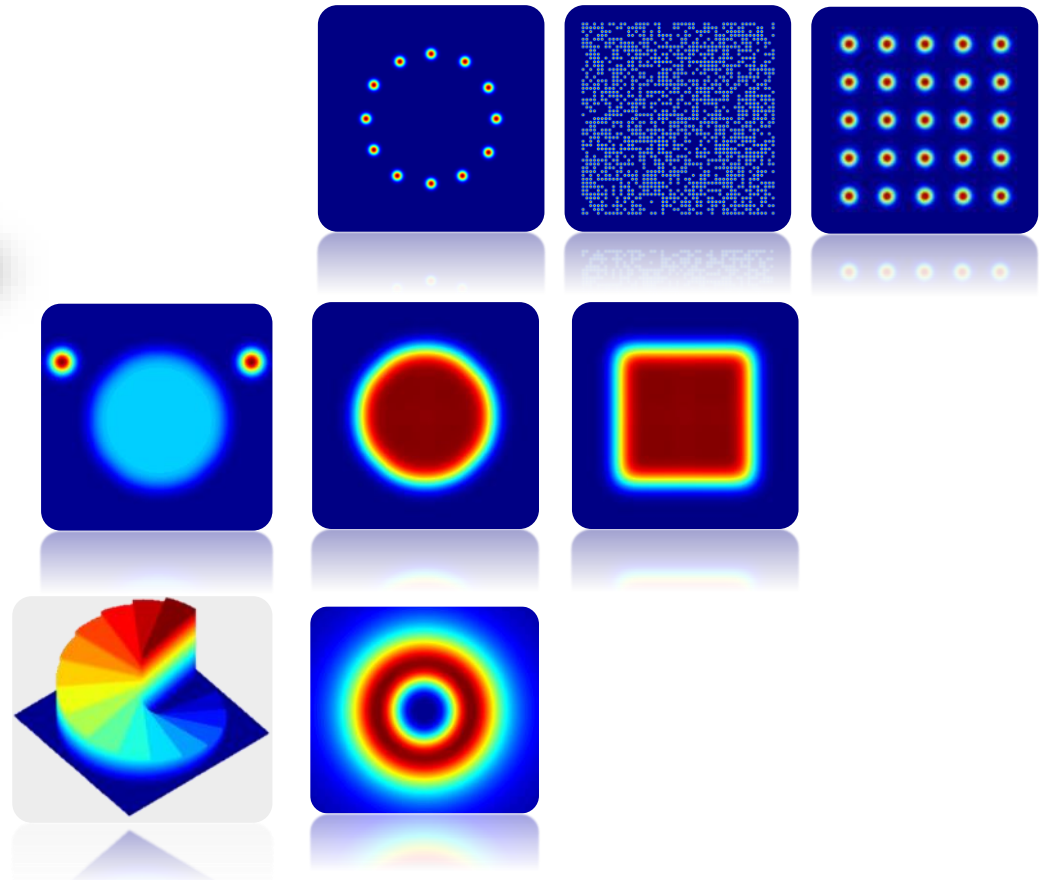
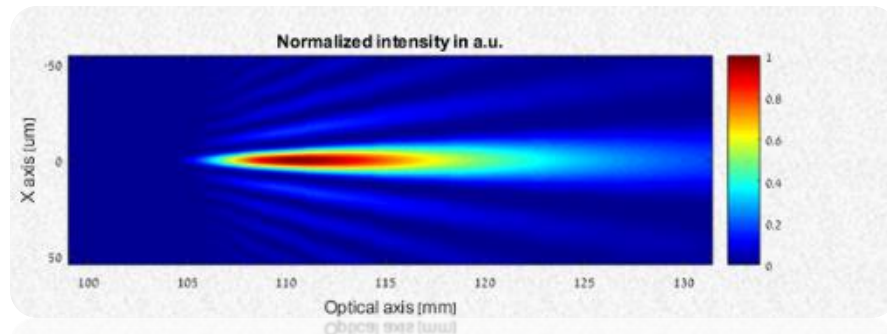
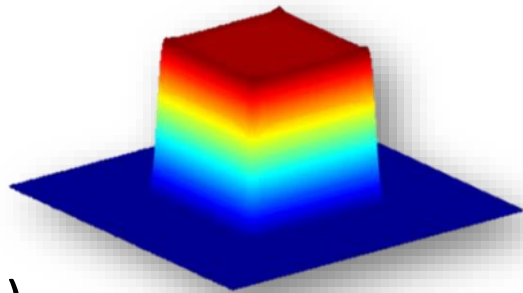
- DOEs are thin diffractive windows that shape light
- Any desired intensity profile or shape
- In many applications DOEs **significantly improve system performance**
- DOEs advantages:
  - High (absolute) angle precision
  - High LDT
  - Thin & compact
  - Flexible shaping in single surface



# The power of Diffractive Optics

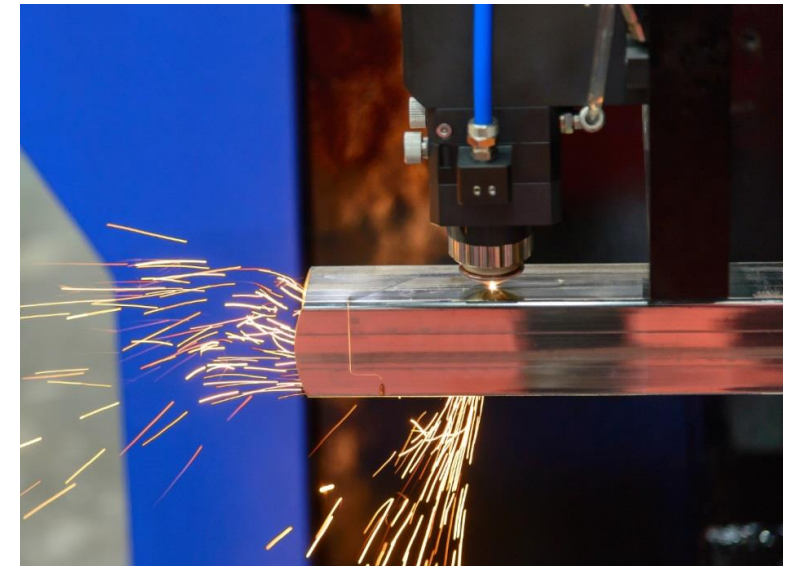
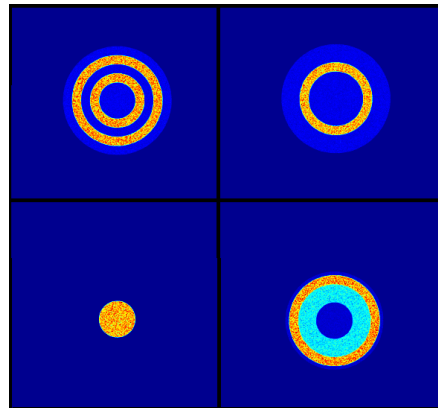
Main DOE families:

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



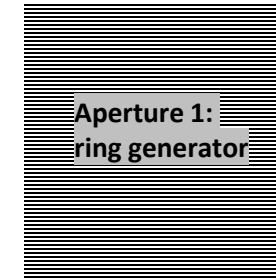
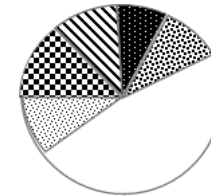
# Adjustable shaping for Cutting & Welding

- Welding with a ring shape has been shown to have process advantages in speed & weld quality
- Some solutions use special sources with different fiber coupling
- Requires specific laser, high cost
- Fast switching not usually needed in real time process

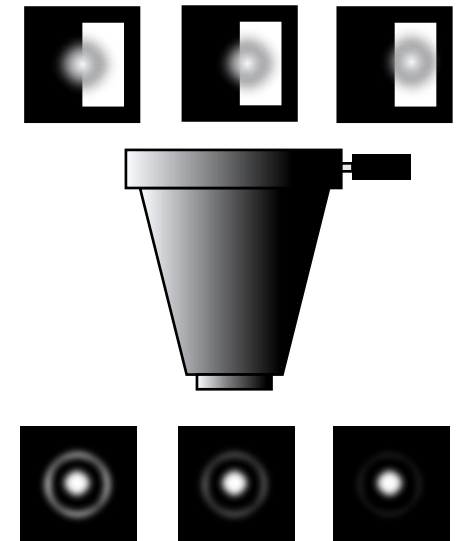


# Adjustable shaping for cutting & Welding

- Ratio of central spot and ring controlled by single axis shift
- Other concepts based on rotation also available



Aperture 2:  
smooth glass



# Thank you!

Feel Free To Ask Questions

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

