

A VISION OF EXCELLENCE

Holo/Or is the world leader for Diffractive Optics

1989 2020 1994 2013 2017 2019 Steady growth in laser • Continuous growth New POG Strategic partnership • Holo/Or First commercial leads to re-organization with **TechInvest** established use of CO₂ usage begins showing product line and enables wafer level affect on Holo/Or's **Holding Ag** (Scanlab) diffraction limited DOEs demand production DOE

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

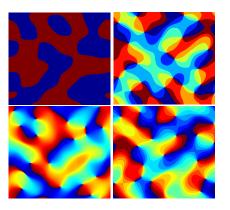






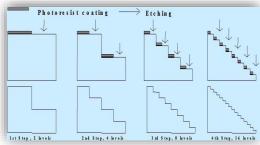
Holo/Or develops, designs and manufactures DOEs

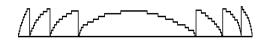
- DOEs are thin diffractive windows that shape light
- Any desired intensity profile or shape
- In many applications DOEs significantly improve system performance
- DOEs advantages:
 - High (absolute) angle precision
 - High LDT
 - Thin & compact
 - Flexible shaping in single surface









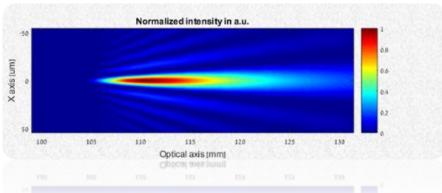


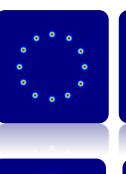


The power of Diffractive Optics

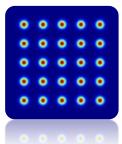
Main DOE families:

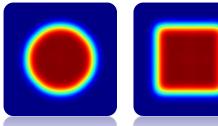
- Beam Splitters
- Beam Shapers
- Beam Foci (Focal shapers)

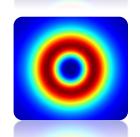












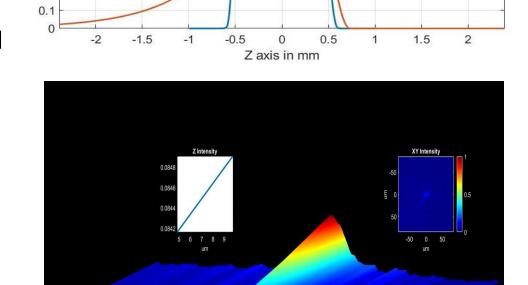


EPIC - Members Product Release, October 14, 2020

DeepCleave™ Glass cutting Module by Holo/Or Ltd.

HOLO/OR

- Input: 6mm diameter single-mode laser beam
- Output: Tight spot with ~ 1.8 um 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





0.8

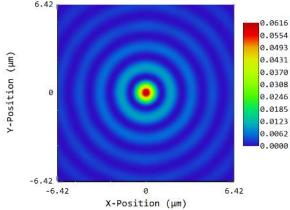
0.2

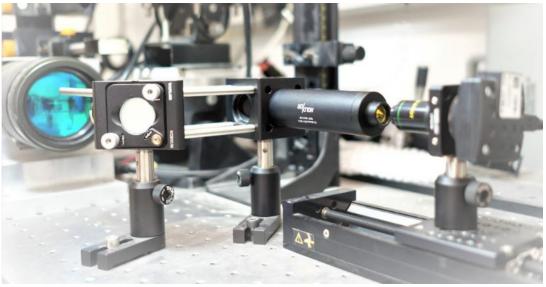
DeepCleave™ Glass cutting Module by Holo/Or Ltd.

 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 : holoor@holoor.co.il



