PRODUCTS & APPLICATIONS

Application Domains
✓ High-resolution projection photolithography
✓ Spectroscopy and polarizing gratings
✓ Light concentration
✓ Computer generated holograms (CGH)
✓ Light diffusers & laser beam shaping

Type of Products
✓ Photolithography masks
✓ Templates for NIL (nano-imprint lithography)
✓ Embossing masters
✓ Unique glass plates or wafers

CASE STUDY

Computer Generated Holograms (CGH)

CGH structures:
✓ Reflective or transparent configuration
✓ Zero-order beam attenuation
✓ Negative diffraction order cancelation
✓ High-resolution images

CGH projection:
✓ Laser pointer beam shaping
✓ Projector of animated CGH sequences
✓ Multicolor projection & performance
✓ Beam splitting and shaping
**MAIN FEATURES**

**Photo Lithography Masks**
- Amplitude type mask
- Phase type mask
- Combination of both types

**Spectroscopy Gratings**
- High spectral purity
- Large area
- Customized grating profile
- Special purpose gratings

**Zonal Lenses**
- Light concentrators
- Segmented lenses
- Customized lenses

**Laser Beam Shaping**
- Beam splitters
- Computer Generated Holograms
- Diffusers

**WHAT YOU WILL BENEFIT FROM**
- More than 20 years of design and technology experience.
- Short development and production cycle
- From pure science through R&D, to final product.

**Technical Advantages**
- Large mastering area (up to 150 mm × 150 mm).
- Special substrate shape and size available.
- High flexibility in design (combination of various features).
- Customer-related approach.