

**Micro Optics**

# **Microlens Arrays**

## Micro Optics

# Microlens Arrays

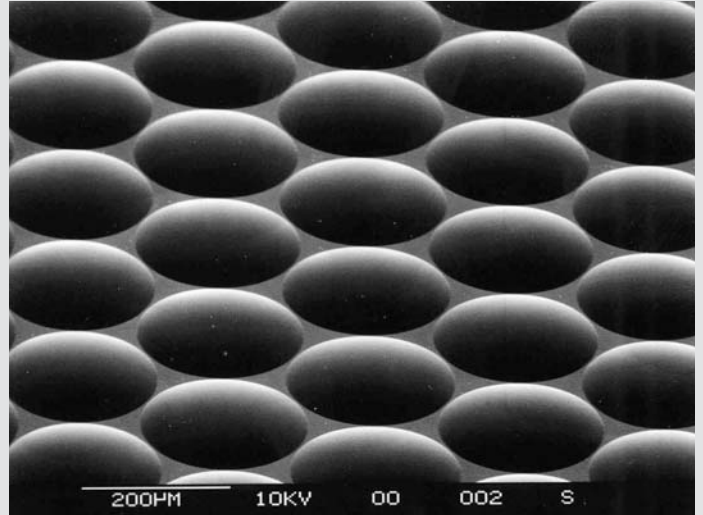
### Refractive custom lens arrays

#### Benefits

- Extremely low surface roughness
- Sub-micron pitch control
- No cumulative pitch variation
- Aspherical profiles possible
- For wavelengths 193 nm to IR

#### Applications

- Laser beam shaping
- Fiber optics
- Displays
- Sensor enhancement
- Imaging systems
- Lighting/illumination



Leister Process Technologies offers high quality refractive microlens arrays in a wide parameter range. Our experienced optics design experts cooperate closely with our customers to find optimal solutions from optics design via prototyping to volume production.

Well-controlled ISO 9001:2000 certified production processes, dedicated equipment and specialized characterization tools, combined with 50 years of manufacturing experience, make us a reliable supplier.

#### Refractive Microlens Array Parameters

Array Size	Up to 130 mm diameter
Lens Aperture Size	10 $\mu$ m to > 1.5 mm
Aperture Shape	Circular, Hexagonal, Square, Custom
Surface Profile	Spherical, Cylindrical, Aspheric
Materials	Fused Silica, Silicon, Plastics
F-number	Silicon: F/0.5 to > F/10 Fused Silica: F/2 to > F/100



**Headquarters:**  
Leister Process Technologies  
Axetris Microsystems Division  
Riedstrasse  
CH-6060 Sarnen/Switzerland  
phone: +41 41 662 74 74  
fax: +41 41 662 20 61  
axetris@leister.com  
www.axetris.com

**USA:**  
Leister Technologies, LLC  
1253 Hamilton Parkway  
Itasca, IL 60143/USA  
phone: (630) 760 1000  
fax: (630) 760 1001  
sales@leisterusa.com  
www.leisterusa.com  
**Axetris Exclusive Distributor**