

Technological Breakthroughs in Microlenses

◆ Leading the Future of Precision Optics

After two months of intensive research and development, Ecoptik has successfully achieved significant technological breakthroughs in two core areas of the optical industry: the Sapphire Super Hemispherical Dome and Microlenses. These achievements mark a leap forward in high-precision optics manufacturing, placing Ecoptik well ahead of competitors in China.

◆ Microlenses - Precision at the Micro Scale

With many years of experience in microlens production, Ecoptik offers a comprehensive range of high-performance microlenses that meet the most stringent dimensional and optical standards. Each microlens undergoes meticulous processing and polishing to ensure minimal scattering, reduced wavefront distortion, and excellent diffraction control.



◆ Microlens Specifications:

Materials: BK7, H-ZF13, S-LAH79, and other optical glasses

Diameter Range: 0.3 mm – 5 mm

Diameter Tolerance: ± 0.001 mm

Centration Tolerance: < 10 arc seconds

Clear Aperture: $> 90\%$ of diameter

Surface Quality: 10/5

Surface Accuracy: $< \lambda/10$ @ 633 nm

These microlenses are widely used in imaging systems, fiber optics, medical devices, and laser applications.

At **Ecoptik**, we are committed to pushing the boundaries of optical innovation. Our continuous investment in R&D and high-precision manufacturing ensures we deliver world-class products that empower next-generation optical systems.

Contact us today to learn how our advanced components can elevate your optical solutions.

Headquarter

ECOPTIK(CHANGCHUN)LTD

Telephone: +86-0431-89180668

Website: www.ecoptik.net

Email: info@ecoptik.net

Address: 101,Building 13,Changchun Xinxing Industrial Science and Technology Park, 832 Chengyuan Road, High-tech Zone,Changchun 130103,China

Subsidiary corporation

ECOPTIK(NANJING)LTD

Email: Info@ecoptik.net

Telephone: +86-13756690877

Address: No.327,Nanpu Road,Jiangbei New District,Nanjing.P.O.:210032.

Subsidiary corporation

ECOPTIK(CHINA)LTD

Email: Info@ecoptik.net

Telephone: +86-0431-89180668

Address: No.399,Bocai Road, High-tech Zone, Changchun, China.P.O.:130012.

European Community

Ecoptik OEM Ltd.

Email: pino.malinconico@ecoptik.com/Mr. Pino Malinconico, Sales Director

Telephone:+36 21 252 6700 / (USA) +1 415 429 8110

Address: Cziraki utca 26-32, Budapest 1144, HUNGARY