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CVI announces molded glass aspheric lenses

CVI announced today that it has introduced molded aspheric lenses as a new catalog product.. ASPH aspheric lenses are diffraction limited, anti-reflection coated and available with numerical apertures ranging from 0.30 to 0.55.

“Precision-molded glass aspheric lenses are a practical compromise between a multi-element lens and a molded plastic lens. A molded glass aspheric lens has two advantages over a multi-element lens, first, the aspheric design reduces spherical aberration and coma in a single element, and second, with fewer optical surfaces required, overall light transmission is higher,” states Emily Kubacki, Optics Product Manager. “In addition, molded glass aspheres operate over a much broader temperature and humidity range than plastic lenses,” continues Kubacki.

Molded glass aspheres are often used in applications such as laser diode collimating and focusing, fiber coupling, barcode scanning, LCD and LCOS digital projection, optical data storage, microscopic measurement, and distance remote sensing.

Serving semiconductor, biotech, industrial, commercial and research industries, CVI combines 30 years of optics manufacturing expertise with precision machining and mechanical design to produce integrated opto-mechanical assemblies. CVI is a leading manufacturer of optical components, providing engineering, rapid prototype delivery, high volume production, and system integration for challenging optical requirements. Headquartered in Albuquerque, New Mexico, CVI operates manufacturing facilities in New Mexico, California, the British Isles, and Korea with sales representatives and distributors located worldwide.

For further information, please contact Emily Kubacki, Optics Product Manager, 200 Dorado Place S.E., Albuquerque, NM 87123, by phone at 505-296-9541, by e-mail at emilyk@cvilaser.com, or visit the CVI website at www.cvilaser.com.