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# LightPath Technologies Announces Tx Aspheric<sup>sm</sup> Lenses and Tx Isolators<sup>sm</sup>

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## ***LightPath Producing Isolators and Aspheric Lenses with wafer based manufacturing.***

(September 4, 2003) Orlando, FL. LightPath Technologies, Inc. (Nasdaq: [LPTH - News](#)), manufacturer and integrator of precision molded aspheric optics, high performance fiber-optic collimators, isolators and advanced manufacturing technologies, is pleased to announce it's new product line of standard and custom Tx Aspheric<sup>sm</sup> lenses and isolators manufactured with it's proprietary wafer scale process.

LightPath's Tx<sup>sm</sup> aspheric lenses and isolators are manufactured in a very economical and scalable process. "By utilizing our wafer based platform we can provide our customers premium performance at an outstanding value. Our unique process allows us to manufacture, test and inspect hundreds of components on the wafer prior to shipment to the customer," said Dr. Bruce Bernacki, CTO. Tx Isolators<sup>sm</sup> are manufactured as a wafer utilizing latching garnet. Latching garnet eliminates the need and cost of the typical magnet associated with many optical isolators. The laminate latched isolators provide exceptional isolation and low insertion loss. Tx Aspheric<sup>sm</sup> lenses are molded in a high index glass wafer allowing hundreds of lenses to be molded at one time. Molded aspheric optics provides excellent performance and lens-to-lens uniformity. LightPath wafer based products provide the value and confidence transmitter manufacturers require for the present and future Metro, Access, Hybrid Fiber Coax and Long Haul markets

Standard Tx Aspheric<sup>sm</sup> configurations are now available in four optical designs. All are AR coated and operate from 1300nm to 1700nm. Tx Aspheric<sup>sm</sup> designs allow the option of confocal or finite conjugate configurations. Tx Isolators<sup>sm</sup> are offered in single, 1.5 and 2 stages with clear apertures from 500 microns to 1mm and isolation better than 50dB and insertion loss less than 0.3dB from 0° - 85C.°.

LightPath manufactures optical products including precision molded aspheric optics, proprietary collimator assemblies, GRADIUM® glass products, laser components utilizing proprietary automation technology, higher-level assemblies and packaging solutions. The Company has 55 U.S. patents, plus 8 more pending, associated with its optical technologies. In addition, various foreign countries have issued a total of 33 patents with 24 patents pending. LightPath common stock trades on the Nasdaq National Market under the stock symbol LPTH.

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