

LIGHTPATH TECHNOLOGIES INC

Form S-3

December 01, 2009

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As filed with the Securities and Exchange Commission on December 1, 2009

Registration No. 333-\_\_\_\_\_

# SECURITIES AND EXCHANGE COMMISSION

Washington, D. C. 20549

## FORM S-3

### REGISTRATION STATEMENT

*UNDER*

*THE SECURITIES ACT OF 1933*

# LIGHTPATH TECHNOLOGIES, INC.

(Exact name of registrant as specified in its Charter)

Delaware  
(State or other jurisdiction

of incorporation)

3674  
(Primary Standard Industrial

Classification Code Number)  
2603 Challenger Tech Court, Suite 100

86-0708398  
(IRS Employer

Identification No.)

Edgar Filing: LIGHTPATH TECHNOLOGIES INC - Form S-3

Orlando, Florida 32826

Telephone: (407) 382-4003

(Address, including zip code, and telephone number, including area code, of Registrant's Principal Executive Offices)

**J. JAMES GAYNOR, PRESIDENT & CHIEF EXECUTIVE OFFICER**

LightPath Technologies, Inc.

2603 Challenger Tech Court, Suite 100, Orlando, Florida 32826

Telephone: (407) 382-4003

(Name, address, including zip code, and telephone number, including area code, of agent for service)

*COPIES TO:*

**JEFFREY E. DECKER, ESQUIRE**

**Baker & Hostetler LLP**

**200 South Orange Avenue, Suite 2300**

**Orlando, Florida 32801**

**Telephone: (407) 649-4017**

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Approximate Date of Commencement of Proposed Sale to the Public: As soon as practicable after the registration statement becomes effective.

If the only securities being registered on this Form are being offered pursuant to dividend or interest reinvestment plans, please check the following box:

If any of the securities being registered on this Form are to be offered on a delayed or continuous basis pursuant to Rule 415 under the Securities Act of 1933, other than securities offered only in connection with dividend or interest reinvestment plans, check the following box:

If this Form is filed to register additional securities for an offering pursuant to Rule 462(b) under the Securities Act, please check the following box and list the Securities Act registration statement number of the earlier effective registration statement for the same offering:

If this Form is a post-effective amendment filed pursuant to Rule 462(c) under the Securities Act, check the following box and list the Securities Act registration statement number of the earlier effective registration statement for the same offering:  \_\_\_\_\_

If this Form is a registration statement pursuant to General Instruction I.D. or a post-effective amendment thereto that shall become effective upon filing with the Commission pursuant to Rule 426(e) under the Securities Act, check the following box.

If this Form is a post-effective amendment to a registration statement filed pursuant to General Instruction I.D. filed to register additional securities or additional classes of securities pursuant to Rule 413(b) under the Securities Act, check the following box.

Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, or a smaller reporting company. See the definitions of large accelerated filer, accelerated filer and smaller reporting company in Rule 12b-2 of the Exchange Act. (Check one):

Large accelerated filer  Accelerated filer   
 Non-accelerated filer  Smaller reporting company

**CALCULATION OF REGISTRATION FEE**

Title of Each Class of Securities To be Registered	Amount to be Registered	Proposed Maximum Offering Price Per Share(1)	Proposed Maximum Aggregate Offering Price	Amount of Registration Fee
Class A Common Stock, \$.01 par value, previously issued (2)	26,455	\$1.78	\$47,089.90	\$2.63

- (1) Estimated pursuant to Rule 457(c) solely for the purpose of calculating the registration fee based upon the average of the high and low prices for LightPath's Class A Common Stock as reported on The Nasdaq Stock Market on November 30, 2009.
- (2) To be offered by the selling stockholder.



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The registrant hereby amends this registration statement on such date or dates as may be necessary to delay its effective date until the registrant shall file a further amendment which specifically states that this registration statement shall thereafter become effective in accordance with Section 8(a) of the Securities Act or until the registration statement shall become effective on such date as the Securities and Exchange Commission, acting pursuant to said Section 8(a), may determine.

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**PROSPECTUS**

LightPath Technologies, Inc.

2603 Challenger Tech Court, Suite 100,

Orlando, Florida 32826

(407) 382-4003

**26,455 SHARES OF CLASS A**

**COMMON STOCK**

This prospectus is part of a registration statement that relates to a public offering of up to 26,455 shares of our Class A Common Stock, \$0.01 par value (the common stock), that were previously issued to Harborview Master Fund LP (the selling stockholder). Our common stock is traded on The Nasdaq Stock Market (Nasdaq), on the Nasdaq Capital Market, under the symbol LPTH. The average of the high and low trade prices of the common shares as reported by Nasdaq on November 30, 2009, was \$1.78 per common share.

*Shares:* The selling stockholder may offer and sell these shares of common stock from time to time through public or private transactions, on or off Nasdaq, at prevailing market prices, or at privately negotiated prices. There is no underwriter with respect to this offering and the selling stockholder will determine the time of sale of shares made pursuant to this prospectus.

*Proceeds:* We will not receive any of the proceeds from the sale of these shares.

*Costs:* We will pay the costs relating to the registration of the shares of common stock offered by this prospectus. The selling stockholder will be responsible for any brokerage commissions, discounts or other expenses relating to the sale of the shares.

**The information contained in this prospectus is not complete and may be changed. These securities may not be publicly sold until the registration statement filed with the Securities and Exchange Commission is effective. This prospectus is not an offer to sell these securities, and we are not soliciting an offer to buy these securities, in any jurisdiction in which the offer or sale is not permitted.**

**You should carefully consider the risk factors beginning on page 5 of this prospectus before purchasing any of the shares offered by this prospectus.**

**Neither the Securities and Exchange Commission nor any state securities commission has approved or disapproved of these securities or determined if this prospectus is truthful or complete. Any representation to the contrary is a criminal offense.**

*The date of this Prospectus is \_\_\_\_\_, 2009.*

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*You should rely only upon the information contained or incorporated by reference in this prospectus and in any accompanying prospectus supplement. We have not, and the selling stockholder has not, authorized any other person to provide you with different information. If anyone provides you with different or inconsistent information, you should not rely on it.*

*The shares of common stock are not being offered in any jurisdiction where the offer is not permitted.*

*You should not assume that the information in this prospectus or any prospectus supplement is accurate as of any date other than the date on the front of this prospectus.*

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**PROSPECTUS SUMMARY**

**Company Overview**

LightPath Technologies, Inc. ( LightPath or Company or we ) manufactures optical components and higher level assemblies including precision molded glass aspheric optics, isolators, proprietary high performance fiber-optic collimators, GRADIUM glass lenses and other optical materials used to produce products that manipulate light, and designs, develops, manufactures and distributes optical components and assemblies utilizing advanced optical manufacturing processes. Our products are incorporated into a variety of applications by our customers in many industries, including defense products, medical devices, barcode scanners, optical data storage, hybrid fiber coax (datacom and telecom), machine vision and sensors among others. All the products that we produce enable lasers and imaging devices to do their jobs. These products include the following:

*Molded glass aspheres* are used in various high performance optical applications;

*Isolators* prevent the back-reflection of optical signals that can degrade optical transmitter and amplifier performance whenever light must enter or exit a fiberoptic cable ( fiber );

*Collimators* are assemblies that are used to straighten and make parallel diverging light as it exits a fiber; and

*GRADIUM* extends the performance of a spherically polished glass lens technology improving optical performance, approaching aspheric performance at a fraction of the price.

LightPath was incorporated under Delaware law in June 1992 as the successor to LightPath Technologies Limited Partnership, a New Mexico limited partnership, formed in 1989, and its predecessor, Integrated Solar Technologies Corporation, a New Mexico corporation, organized in 1985. We completed our initial public offering on February 22, 1996. From our inception in 1985 until June 1996, we were classified for financial reporting purposes as a development stage enterprise that engaged in basic research and development with an initial objective to improve solar energy technology. Through the years, we realized that our early discoveries had much broader application, and we expanded our focus to imaging optics applications. By 1997, our operational focus began to shift to product development and sales of GRADIUM glass lenses.

During fiscal 1998, sales of lenses to the traditional optics market continued with increases in sales of lenses used in the YAG (Yttrium-Aluminum-Garnet) laser market, catalog and distributor sales and lenses used in the semiconductor wafer inspection markets. During this time, we reorganized internally and realigned our marketing efforts with the purpose of expanding our focus to include markets such as optoelectronics, photonics and solar due to the number of potential customer inquiries into the ability of GRADIUM glass to solve optoelectronic problems, specifically in the areas of fiber telecommunications in addition to the traditional optics market. In fiscal 1998, we began to explore the development of products and a strategy to enter the telecom optical components market. This strategy was built around automated production of telecom components using laser fusion and fiber attachment techniques we developed. In designing our optoelectronic devices, we focused on automation of the manufacturing process. Although many other manufacturers in this industry rely on low labor cost offshore production to control costs, we believe that automation of the manufacturing process can yield similar cost savings over the long term. Our patented laser fusion and fiber attachment techniques are highly automated, and we believe these techniques provided improved quality and flexibility to increase manufacturing capacity in response to growth in demand. Our automation theme was expanded with our fiscal 2000 acquisition of Horizon Photonics, Inc. ( Horizon ), a California corporation, that utilized



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automated production platforms to manufacture passive optical components for the telecommunications and data communications markets. We acquired all of the outstanding shares of Horizon for approximately 175,000 shares of our Class A common stock and \$1 million in cash (an aggregate purchase price of approximately \$40.2 million, based on the then-market price of our common stock). Horizon was dissolved during fiscal 2004.

In September 2000, we acquired Geltech, Inc. ( Geltech ), a Delaware corporation, that manufactured precision molded aspheric optics, which have broad applicability to numerous market segments such as medical devices, barcode scanners, optical data storage, machine vision, sensors, and environmental monitoring. Precision molded aspheric optics are also used in the active telecom components market to provide a highly efficient means to couple laser diodes to fibers or waveguides. We acquired all of the outstanding shares of Geltech for an aggregate purchase price of approximately \$28.5 million, comprised of 102,842 shares of our Class A common stock (valued at \$27.5 million based on the then-market price of our common stock) and approximately \$1 million in acquisition costs.

During fiscal 2003, in order to reduce costs, we relocated our corporate headquarters to Orlando and reorganized our manufacturing facility there to accommodate all of the production previously performed in New Mexico for GRADIUM glass lenses and collimators as well as the isolator product line from California. Due to the consolidation of all our product lines in Florida and the reduction in demand for telecom components, we have operated only one business segment since fiscal 2005.

In November 2005, we announced the formation of LightPath Optical Instrumentation (Shanghai) Co., Ltd, a wholly owned manufacturing subsidiary, located in Jiading, in People's Republic of China. Our manufacturing operations are housed in a 16,000 square foot facility located in the Jiading Industrial Zone near Shanghai. The facility increased overall production capacity and has enabled us to compete for larger production volumes of optical components and assemblies, and strengthened partnerships within the Asia/Pacific region. It has also provided a launching point to drive our sales expansion in the Asia/Pacific region. Our Shanghai operations produce over 95% of our molded optics for sales world wide. We continue to invest in capacity of this facility as we expand our sales into the China region. Through the investment in marketing and sales from the Shanghai facility we anticipate future growth opportunities in aspheric lens applications and further penetration into the markets in the Asia/Pacific Region with all LightPath products.

Since 2006, we have focused on leveraging our facility in Shanghai to produce lenses for high volume, lower cost applications. These applications include laser tools, laser gun sights and certain imaging applications. We have established partnerships with some of the larger OEM customers in these areas. During this period, we have also enhanced our sales channels by adding distribution coverage in North America and Asia and adding a master distributor in Europe. We believe we are now well positioned to take advantage of new opportunities in these areas.

Our principal offices are located at 2603 Challenger Tech Court, Suite 100, Orlando, Florida 32826. Our telephone number is (407) 382-4003.

## **Overview of Offering**

This prospectus relates to a public offering of up to 26,455 shares of our common stock that were previously issued to the selling stockholder.

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In connection with an agreement dated as of November 25, 2009 we issued 26,455 shares of our common stock at \$1.89 per share. We did not receive any cash proceeds from the issuance of the shares of common stock.

The selling stockholder may offer and sell these shares of common stock from time to time through public or private transactions, on or off Nasdaq, at prevailing market prices, or at privately negotiated prices. There is no underwriter with respect to this offering, and the selling stockholder will determine the time of sale of shares of common stock made pursuant to this prospectus. We will not receive any of the proceeds from the sale of these shares of common stock. We will pay the costs and fees of registering the shares of common stock offered by this prospectus, which we estimate to be approximately \$4,018, but the selling stockholder will pay any brokerage commissions, discounts or other expenses relating to the sale of the shares.

## **RISK FACTORS**

Before purchasing the shares offered by this prospectus, you should carefully consider the risks described below, in addition to the other information presented in this prospectus or incorporated by reference into this prospectus. If any of the following risks actually occur, they could seriously harm our business, financial condition, results of operations or cash flows. This could cause the trading price of our common stock to decline and you could lose all or part of your investment.

### **Risks Related To Our Business and Financial Results**

*Our Continuation as a Going Concern is Dependent on Attaining Profitable Operations Through Achieving Revenue Growth Targets.* As of the end of fiscal 2009, we had an accumulated deficit of \$201.6 million. Our ability to continue as a going concern is dependent on attaining profitable operations through achieving revenue growth targets. We expect revenue to grow by seeking to improve gross margins and generating additional sales.

We expect margin improvements based on achievement of production efficiencies and reductions in costs. Since we have moved 95% of our precision molded optics to our Shanghai facility, we have reduced our workforce at our facility in Orlando, Florida. Additionally in March 2009, we initiated a four day work week for our Orlando, Florida personnel. We have reduced the costs for medical insurance for our employees, and we have procured more favorable prices for certain of our materials. We have also redesigned certain of our product lines and increased sales prices for certain items. Our current cost structure allows us to penetrate lower priced markets, specifically industrial laser tools and micro projectors, thereby generating additional sales. Our staffing levels and facilities can support increased sales volumes of up to three times our current levels. As our revenues grow we will be able to leverage the overhead (currently, 77% of our cost of goods are related to overhead costs) and generate higher gross margins. These high gross margins will provide increased cash flows after some marginal increases in selling, administrative, new product development expenditures and for working capital requirements. There is no assurance, however, that we will be able to achieve the necessary cash flows from sales growth and gross margin improvements to sustain operations.

If general market conditions stay depressed for an extended period of time and we are unable to generate sufficient sales, we will have a difficult time achieving sufficient revenue growth, thereby further jeopardizing our ability to continue as a going concern after September 30, 2010. Other factors which could adversely affect our cash balance in future quarters, and therefore our ability to continue as a going concern, include, but are not limited to, a decline in revenue either due to lower sales unit volumes or decreasing selling prices or both, our ability to order supplies from vendors due to our slow payment history, collection demands from current supplies and slow payments from our customers on accounts receivable.

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*We Have a Limited Amount of Cash to Fund Our Continuing Operations.* We believe the Company currently has sufficient cash to fund its operations through September 30, 2010 assuming our revenue stays at current levels and no additional sources of capital are used. The extent to which the Company can sustain its operations beyond this date will depend on our ability to generate cash from operations, increased revenues from low cost and infrared lenses or sale of non-strategic assets or from future equity or debt financing. In the event we are unable to increase revenues or obtain additional financing, we would need to take actions such as additional restructuring of operations to reduce costs, sale of non-strategic assets or discontinuing operations altogether. Should that occur, the sale value of our assets, especially inventory, property and equipment, intellectual property and other intangible assets may be such that significant adjustments to our consolidated financial statements would be required.

*Our Ability to Seek Additional Financing Is Substantially Limited.* We believe the Company has sufficient cash to fund operations through the September 30, 2010. While we continue to take actions to reduce cash used in operations, there can be no assurance that we will generate sufficient cash to fund our future operations and growth strategies beyond September 30, 2010. We will likely need to obtain additional external financing in the future. We do not have any commitments from others to provide additional financing in the future, and there can be no assurance that any such additional financing will be available if needed or, if available will be on terms favorable to us.

Should we find it necessary to raise more capital, we may find that such funds are either not available or are available only on terms that are unattractive in terms of cost, dilution of existing stockholders' interests, or both. In addition, the current terms of the documents entered into in connection with the 2008 convertible debenture and warrant offering restrict our flexibility in raising funds. In the event that we find it necessary to raise additional funds to sustain operations and we are unable to do so, we would need to take actions such as additional restructuring of operations to reduce costs, sale of non-strategic assets or discontinuing operations altogether. Should that occur, the sale value of our assets, especially inventory, property and equipment, intellectual property and other intangible assets may be such that significant adjustments to our consolidated financial statements would be required.

*We Received Notice from Nasdaq Regarding Our Compliance with Marketplace Rules.* The Nasdaq Listing Qualifications of The Nasdaq Stock Market, LLC require us to comply with Marketplace Rule 5550, former Rule 4310(c)(3), which requires us to have a minimum of \$2,500,000 in stockholders' equity or \$35,000,000 market value of listed securities or \$500,000 of net income from continuing operations for the most recently completed fiscal year or two of the three most recently completed fiscal years. We received a notification letter from Nasdaq Staff on May 20, 2009 noting the following: based on our Quarterly Report on Form 10-Q for the fiscal quarter ended March 31, 2009, our stockholders' equity was \$1,913,348. As of May 28, 2009, Nasdaq Staff determined that the market value of our listed securities was \$3,338,227. We have reported net losses from continuing operations of \$3,823,060, \$5,467,769 and \$2,614,629 for the fiscal years 2009, 2008 and 2007, respectively. We responded to Nasdaq with a plan to achieve compliance with the listing requirements based upon certain events we believed would occur during the fourth quarter of fiscal 2009 and first quarter of fiscal 2010, as described below, which would result in our stockholders' equity exceeding the minimum amount required by Nasdaq rules.

On July 27, 2009, we received a payment from our D&O insurance carrier of \$182,687 to reimburse us for legal fees relating to a lawsuit, filed in federal court in New York, which was previously dismissed.

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On August 19, 2009, we completed a private placement of an aggregate of 1,298,827 shares of our Class A Common Stock, \$0.01 par value, at \$1.26 per share, and Warrants to purchase 649,423 shares of common stock at an exercise price of \$1.73 per share. We received aggregate gross cash proceeds from the issuance of the common stock (exclusive of proceeds from any future exercise of the Warrants) in the amount \$1,636,500. The net proceeds for the private placement, and the corresponding increase to stockholders' equity, were \$1,473,400.

On September 9, 2009, we received a payment from our prior D&O insurance carrier of \$276,376 to reimburse us for legal fees relating to a lawsuit filed in state court in Texas which was previously dismissed.

Based upon these three events, we believe that we have regained compliance with the minimum stockholders' equity requirement. Nasdaq has informed us that it will continue to monitor our ongoing compliance with the stockholders' equity requirement and, if at the time of our next periodic report we do not evidence compliance, that we may be subject to delisting.

If our common stock is delisted from The Nasdaq Capital Market, the market liquidity of our common stock will likely be significantly limited, which would reduce stockholders' ability to sell our securities. Additionally, any such delisting would harm our ability to raise capital through alternative financing sources on acceptable terms, if at all, and may result in the loss of confidence in our financial stability by suppliers, customers and employees. In addition, a delisting may have an adverse impact on the price of our shares of common stock, the volatility of the price of our shares, and/or the liquidity of an investment in our shares of common stock.

*Since We Have Been Unable to Pursue a Joint Venture, Our Business Growth May be Slower or Remain Flat.* Our future success depends to a significant degree on our ability to transition a substantial portion of our business to high volume, lower cost applications. The rate at which we had planned on accomplishing this transition was, in turn, dependent on our ability to successfully launch a joint venture with another company. So far, we have been unsuccessful in launching a joint venture, and, as a result, implementation of our business transition will take substantially longer, will require substantially greater investment of capital, time and other resources that may not be available to us, and may involve a significantly higher degree of risk of failure. Because we were unable to pursue our business strategy through a joint venture as previously planned, our results of operations, financial performance, and ability to continue to operate our business could be materially adversely affected.

*We Have A History Of Losses And If We Continue To Incur Losses Our Business May Fail.* We have incurred net losses of \$3.8 million, \$5.5 million, \$2.6 million, \$3.4 million, \$3.5 million and \$5.6 million for fiscal 2009, 2008, 2007, 2006, 2005 and 2004, respectively. We had an accumulated deficit of \$201.6 million for fiscal 2009. We expect to continue to incur significant sales and marketing, administrative and product development expenses, and, as a result, we will need to generate increased revenues to achieve profitability. Even if we achieve profitability, given the competition in our optical markets, we may not be able to sustain or increase profitability thereafter on a quarterly or annual basis. As a result, we will need to generate significantly higher revenues while containing costs and operating expenses if we are to achieve profitability.

*Because Of Our Dependence On A Few Key Customers, The Loss of Any Key Customer Could Cause A Significant Decline In Our Revenues.* In fiscal 2009 sales to two customers, Crimson Trace and ThorLabs individually comprised at least 7% of our annual sales, with sales to Crimson Trace at 9% and sales to ThorLabs at 7%. In fiscal 2008 sales to two customers, Santur and ThorLabs individually comprised at least 8% of our annual sales, with sales to Santur at 9% and sales to ThorLabs at 8%. Part of our continuing strategy in fiscal 2009 was to gain key customer relationships of more significance and

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impact to generate higher revenues at lower costs. This strategy has met with some success and therefore we believe our operating results will continue to be notably dependent on sales to a relatively small number of significant customers. The loss of any of these customers, or a significant reduction in sales to any such customers, would adversely affect our revenues.

*Order Cancellations And Extensions Of Product Shipment Dates By Customers Can Hinder Our Ability To Achieve Profitability.* Our sales are generally made pursuant to purchase orders that are subject to cancellation, modification or rescheduling without significant penalties to our customers. In recent years, we have experienced material order cancellations and significant extensions of product shipment dates by some of our customers. If current customers stop placing orders, or unexpectedly reduce orders, we may not be able to replace these orders with orders from new customers and our ability to achieve profitability will be adversely affected. The majority of our current customers do not have any minimum purchase obligations, and they may stop placing orders with us at any time, regardless of any forecast they may have previously provided.

*Our New Market Penetration Efforts Are Progressing But May Not Prove Successful.* Our efforts to diversify our sales to high volume, low cost optical applications and other new market and product opportunities in multiple industries are progressing, however, our current line of products has not generated sufficient revenues to sustain our operations. While we believe our existing products are commercially viable, we anticipate the need to educate the optical components markets in order to generate market demand and market feedback may require us to further refine these products. Expansion of our product lines and sales into new markets will require significant investment in equipment, facilities and materials. There can be no assurance that any proposed products will be successfully developed, demonstrate desirable optical performance, be capable of being produced in commercial quantities at reasonable costs or be successfully marketed.

*Some Of Our Products Have Not Been Demonstrated To Be Commercially Successful.* Although our optical lens products have been accepted commercially, the benefits of the GRADIUM glass line are not widely known and must be introduced, as we can afford, in markets that we believe would benefit from the performance characteristics of GRADIUM. Many prospective customers will need to make substantial expenditures in order to redesign products to incorporate our GRADIUM lenses. There can be no assurances that potential customers will view the benefits of our products as sufficient to warrant such design expenditures.

Our collimator products have not yet achieved broad commercial acceptance; our isolator production capability and sales, while encouraging at this point, are only six years old; and some of our molded aspheres applications are new. There can be no assurance that any of these will be commercially viable products or produce significant revenues. Further, there is no assurance that any products currently existing or to be developed in the future will attain sufficient market acceptance to generate significant additional revenues that are necessary for our success. We must also satisfy industry-standard Telcordia testing on telecommunication products to meet customer requirements, as well as satisfy prospective customers that we will be able to meet their demand for quantities of products, since we may be the sole supplier and licensor. We do not have lengthy experience as a manufacturer for all our product lines and have limited financial resources. We may be unable to accomplish any one or more of the foregoing to the extent necessary to develop commercially successful market acceptance of our products.

*Our Past Operating History May Hinder Our Ability To Accurately Forecast Revenues And Expenses.* Although over 20 years old, LightPath has only generated significant revenues (higher than \$5 million per year) since fiscal 2000. Through fiscal 1996, our primary activities were basic research and development of glass material properties. Because of this highly variable operating experience we have in the past and may in the future be unable to accurately forecast our revenues from sales of our products.

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Many of our expenses are fixed in the short term, and we may not be able to quickly reduce spending if our revenue is lower than we project. New product introductions will also result in increased operating expenses in advance of generating revenues, if any. Therefore, net losses in a given quarter could be greater than expected. Failure to accurately forecast our revenues and future operating expenses could cause quarterly fluctuations in our operating results, including cash flows, and may result in further volatility of or a decline in our stock price.

*If We Are Unable To Develop And Successfully Introduce New And Enhanced Products That Meet The Needs Of Our Customers, Our Business May Fail.* Our future success depends, in part, on our ability to anticipate our customers' needs and develop products that address those needs. Introduction of new products and product enhancements will require that we effectively transfer production processes from research and development to manufacturing and coordinate our efforts with the efforts of our suppliers to rapidly achieve efficient volume production. If we fail to effectively transfer production processes, develop product enhancements or introduce new products that meet the needs of our customers as scheduled, our net revenues may decline.

*Our Sales, Gross Margins, And Market Share May Be Reduced Because of Increased Competition.* Competition in optical markets in which we compete is intense. Many of our competitors are large public and private companies that have longer operating histories and significantly greater financial, technical, marketing and other resources than we have. As a result, these competitors are able to devote greater resources than we can to the development, promotion, sale and support of their products. In addition, the market capitalization and cash reserves of several of our competitors are much larger than ours, and, as a result, these competitors are much better positioned than we are to acquire other companies in order to gain new technologies or products that may displace our product lines. Such acquisitions could give our competitors further advantages. For example, if our competitors acquire any of our significant customers, these customers may reduce the amount of products they purchase from us. Alternatively, some of our competitors may spin-out new companies in the optical component and module market. These companies may compete more aggressively than their former parent companies due to their greater dependence on our markets. In addition, many of our potential competitors have significantly more established sales and customer support organizations, much greater name recognition, more extensive customer bases, more developed distribution channels and broader product offerings than we have. These companies can leverage their customer bases and broader product offerings and adopt aggressive pricing policies to gain market share. Additional competitors may enter the market, and we are likely to compete with new companies in the future. We expect to encounter potential customers that, due to existing relationships with our competitors, are committed to the products offered by these competitors. As a result of the foregoing factors, we expect that competitive pressures may result in price reductions, reduced margins and loss of market share.

We compete with manufacturers of conventional spherical lens products and aspherical lens products, producers of optical quality glass and other developers of gradient lens technology as well as telecom product manufacturers. In both the optical lens and communications markets, we are competing against, among others, established international companies, especially in Asia. Many of these companies also are primary customers for optical and communication components, and therefore have significant control over certain markets for our products. We are also aware of other companies that are attempting to develop radial gradient lens technology. There may also be others of which we are not aware that are attempting to develop axial gradient lens technology similar to our technology. There can be no assurance that existing or new competitors will not develop technologies that are superior to or more commercially acceptable than our existing and planned technologies and products.

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To maintain or improve our gross margins, we must continue to reduce the manufacturing cost of our products. We continue to take actions that we anticipate will reduce the manufacturing cost of our products, including obtaining additional sources for raw materials to reduce our materials costs, establishing manufacturing capabilities in low cost regions to reduce the labor costs of our production operations and improving our processes and engaging in more competitive sourcing in order to reduce our overhead expenses. We believe these actions will allow us to make continued improvements in our profitability and cash requirements.

*We Anticipate Further Reductions in the Average Selling Prices Of Our Products and Therefore Must Increase Our Sales Volumes, Reduce Our Costs and/or Introduce Higher Margin Products To Reach And Maintain Financial Stability.* We have experienced decreases in the average selling prices of some of our products over the last eight years, including most of our passive component products. We anticipate that as products in the optical component and module market become more commodity-like, the average selling prices of our products will decrease in response to competitive pricing pressures, new product introductions by us or our competitors, or other factors. If we are unable to offset this anticipated decrease in our average selling prices by increasing our sales volumes or product mix, our net revenues and gross margins will decline, increasing the projected cash needed to fund operations. To address these competitive pressures, we must develop and introduce new products and product enhancements with higher margins. If we cannot maintain or improve our gross margins, our financial position may be harmed and our stock price may decline.

*Because Of Our Limited Product Offerings, Our Ability To Generate Additional Revenues May Be Adversely Affected.* We derive a substantial portion of our net revenues from a limited number of products. We expect that net revenues from a limited number of products will continue to account for a substantial portion of our total net revenues. Demand for these and other optical market products has declined materially in recent years. Continued and expanding market acceptance of these products is critical to our future success. There can be no assurance that once the communication industry and general economic conditions improve, our current or new products will achieve market acceptance at the rate at which we expect, or at all, which could adversely affect our results of operations.

*If We Do Not Expand Our Sales and Marketing Organization, Our Revenues May Not Increase.* The sale of our products requires long and involved efforts targeted at several key departments within our prospective customers' organizations. Sales of our products require the prolonged efforts of sales, and sometimes executive, personnel, as well as specialized systems and applications engineers working together. Currently, our sales and marketing organization is somewhat limited. We believe we will need to increase our sales force in order to increase market awareness and sales of our products. Competition for qualified individuals remains, and we might not be able to hire the kind and number of sales and marketing personnel and applications engineers we need. If we are unable to expand our sales operations, particularly in China, we may not be able to increase market awareness or sales of our products, which would prevent us from increasing our revenues.

*If We Are Unable To Make Sales In A Fragmented Market Our Revenues May Not Increase.* The markets for optical lenses and laser components are highly fragmented. Consequently, we will need to identify and successfully target particular market segments in which we believe we will have the most success. These efforts will require a substantial, but unknown, amount of effort and resources. The fragmented nature of the optical products market may impede our ability to achieve commercial acceptance for our products. In addition, our success will depend in great part on our ability to develop and implement a successful marketing and sales program. There can be no assurance that any marketing and sales efforts undertaken by us will be successful or will result in any significant product sales.

*Our Products Have Long And Variable Sales Cycles Which Reduce Our Ability To Accurately Forecast Revenues.* The timing of our revenue is difficult to predict because of the length and variability of the sales and implementation cycles for our products. We do not recognize revenue until a product has

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been shipped to a customer, all significant vendor obligations have been performed and collection is considered probable. Customers may view the purchase of our products as a significant and strategic decision. As a result, customers typically expend significant effort in evaluating, testing and qualifying our products and our manufacturing process. This is particularly the case with our defense application market. This customer evaluation and qualification process frequently results in a lengthy initial sales cycle (often up to one year). While our customers are evaluating our products and before they place an order with us, we may incur substantial sales, marketing and product development expenses to customize our products to the customer's needs. We may also expend significant management efforts, increase manufacturing capacity and order long lead-time components or materials prior to receiving an order. Even after this evaluation process, a potential customer may not purchase our products. Because of the evolving nature of the optical markets, we cannot predict the length of these sales and development cycles. These long sales cycles may cause our revenues and operating results to vary significantly and unexpectedly from quarter to quarter, which could continue to cause volatility in our stock price.

*Litigation May Adversely Impact Operating Results.* We may from time to time become involved in lawsuits and legal proceedings. Litigation is expensive and is subject to inherent uncertainties, and an adverse result in any such matter could adversely impact our operating results or financial condition. Additionally, any litigation to which we are subject could also require significant involvement of our senior management and may divert management's attention from our business and operations.

*Sales, Political, Currency And Other Risks Associated With Our International Sales And Supply Could Negatively Impact Our Business.* For fiscal 2009, approximately 28% of our net revenues were from sales to international customers and in fiscal 2008, approximately 31% of our net revenues were from sales to international customers. Our international sales will be limited if we cannot establish and/or maintain relationships with international distributors, establish foreign operations, expand international sales, and develop relationships with international service providers. Additionally, our international sales may be adversely affected if international economies weaken. We are subject to risks including the following:

greater difficulty in accounts receivable collection and longer collection periods;

the impact of recessions in economies outside the United States;

unexpected changes in regulatory requirements;

unexpected changes in foreign demand in response to exchange rate fluctuations;

certification requirements;

reduced protection for intellectual property rights in some countries;

potentially adverse tax consequences; and

political and economic instability.

In November 2005, we formed LightPath Optical Instrumentation (Shanghai) Co., Ltd., a wholly owned manufacturing subsidiary, located in Jiading, People's Republic of China, in order to expand our international production capacity and sales. This manufacturing facility increased overall production capacity and has enabled us to compete for larger production volumes of optical components and assemblies, and strengthen partnerships within the Asia/Pacific region. It has also provided a launching point to drive our sales expansion in the Asia/Pacific region.





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While we expect our international revenues to be denominated predominantly in U.S. dollars, in the future a portion of our international revenues and expenses may be denominated in foreign currencies. Accordingly, we could experience the risks of fluctuating currencies and corresponding exchange rates.

We also source certain raw materials from outside the United States. Some of those materials, priced in non-dollar currencies, have risen in price due to the recent decline of the U.S. dollar against non-dollar-pegged currencies, especially the Euro. This lowers our margins and reduces our ability to reach positive cash flow and profitability.

### *Our Business Has Been Subject To Fluctuations In Quarterly Results And Continued Fluctuations Could Negatively Impact Our Stock Price.*

The market price of our common stock could be subject to wide fluctuations in response to quarterly variations in operating results. Revenues and results of operations are difficult to predict and may fluctuate substantially from quarter to quarter. For example, as a result of revenues associated with any of our key customers, any cancellation or delay in shipment of orders from a key customer could result in significant fluctuations in quarterly results. Quarterly results have also been and may continue to be affected by asset write-downs associated with communications market weakness, our headquarters and plant consolidations and other matters, including negative cash flow.

### *We May Issue Additional Securities With Rights Superior To Those Of The Common Stock, Which Could Materially Limit The Ownership Rights Of Stockholders.*

We may offer additional debt or equity securities in private and/or public offerings in order to raise working capital or to refinance our debt. Our board of directors has the right to determine the terms and rights of any debt securities and preferred stock without obtaining the approval of the stockholders. It is possible that any debt securities or preferred stock that we sell would have terms and rights superior to those of the common stock and may be convertible into common stock. Any sale of securities could adversely affect the interests or voting rights of the holders of common stock, result in substantial dilution to existing stockholders, or adversely affect the market price of our common stock. We have no present plans to issue any convertible preferred stock or any other preferred stock.

*Investors Will Incur Immediate Dilution And May Experience Further Dilution.* The offering price of our common stock will be substantially higher than the pro forma net tangible book value per share of the outstanding common stock immediately after the offering. We have a substantial number of outstanding options and warrants to acquire shares of common stock and have made restricted stock grants that are not fully vested. As of November 30, 2009, a total of 4,945,048 shares have been reserved for issuance upon exercise of options, restricted stock units, and warrants that we have granted. A total of 646,501 shares are available for additional grants in our Amended and Restated Omnibus Incentive Plan. Additionally, as of November 30, 2009, a total of 288,034 shares have been granted and are outstanding under restricted stock awards. These shares vest and are issuable at various dates through November 2011. 71,748 of these options and 1,856,103 of the warrants are in the money as of November 30, 2009. In the money generally means that the current market price of the common stock is above the exercise price of the shares subject to the warrant or option. The issuance of common stock upon the exercise of these options and warrants could adversely affect the market price of the common stock or result in substantial dilution to our existing stockholders.

*Our Stock Price Has Been, And May Continue To Be, Subject To Large Price Swings, Which We Are Not Able To Control.* Broad market fluctuations or fluctuations in our operations may adversely affect the market price of our common stock. The market for our common stock is volatile, the bid-ask spread is often large and the trading volume and activity can be low and sporadic. The trading price of our common stock has been and will continue to be subject to:

volatility in the trading markets generally and in our particular market segment;

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limited trading of our common stock;

significant fluctuations in response to quarterly variations in operating results;

announcements regarding our business or the business of our customers or competitors;

changes in prices of our competitors' products and services;

changes in product mix;

changes in revenue and revenue growth rates; and

other events or factors.

Statements of or changes in opinions, ratings or earnings estimates made by brokerage firms or industry analysts relating to the markets in which we operate or expect to operate could have an adverse effect on the market price of our common stock. In addition, the stock market as a whole, as well as our particular market segment, have from time to time experienced extreme price and volume fluctuations which have particularly affected the market price for the securities of many companies and which often have appeared unrelated to the operating performance of these companies. Although our shares are publicly traded on Nasdaq, the trading market for our shares can be limited. During fiscal 2009, Nasdaq-reported trading volume for our shares averaged 8,356 shares per trading day. We cannot forecast or control any material increase in the trading volume for our shares. A lack of an active trading market for our shares could negatively impact stockholders' ability to sell their shares when they desire and the price, which they could obtain.

*The Fact That We Do Not Expect To Pay Dividends May Lead To A Decreased Price For Our Stock.* Our board of directors has never declared a dividend on our common stock. We are currently prohibited from declaring dividends without the prior written consent of the holders of at least 80% in principal amount of the then outstanding debentures issued on August 1, 2008. We do not anticipate paying dividends on our common stock in the foreseeable future. Due to U.S. tax law changes in 2003, dividends may be more valuable on an after-tax basis as a component of investment return, potentially diminishing the appeal of holding our common stock. It is anticipated that our earnings, if any, will be reinvested in sales growth activities for our business.

*Our Management And Principal Stockholders Control A Substantial Amount Of Our Stock And May, Therefore, Influence Our Affairs.* If our management and a few principal stockholders act in concert, disposition of matters submitted to stockholders or the election of our entire board of directors may be hindered. We estimate that management, including directors, and our principal stockholders (stockholders owning more than 5% of our common stock) beneficially owned approximately 38% of all options, restricted stock units and warrants, convertible debentures and common stock outstanding as of November 30, 2009.

*Our Charter Documents And Delaware Law May Inhibit A Takeover.* In certain circumstances, the fact that corporate devices are in place that will inhibit or discourage takeover attempts could reduce the market value of our common stock. Our Certificate of Incorporation, Bylaws and certain other agreements contain certain provisions that may discourage other persons from attempting to acquire control of us. These provisions include, but are not limited to:

staggered-terms of service for our board of directors;

the authorization of the board of directors to issue shares of undesignated preferred stock in one or more series without the specific approval of the stockholders;



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the fact that in 1998 we adopted a stockholder rights plan and declared a dividend distribution of a right to purchase one share of Series D Participating Preferred Stock for each outstanding share of Class A common stock. The description and terms of such rights are set forth in a Rights Agreement dated as of May 1, 1998 between LightPath and Continental Stock Transfer & Trust Company, as Rights Agent (copy of the Rights Agreement and related documents are filed as Exhibit 1 to the Form 8-A for Registration of Certain Classes of Securities Pursuant to Section 12(b) or (g) of the Exchange Act, filed on April 28, 1998). The Right Agreement was amended on February 28, 2008 to extend the termination date through February 28, 2018;

the establishment of advance notice requirements for director nominations and actions to be taken at annual meetings; and

the fact that special meetings of the stockholders may be called only by our Chairman, President or upon the request of a majority of our board of directors.

All of these provisions, as well as the provisions of Section 203 of the Delaware General Corporation Law (to which we are subject), could impede a merger, consolidation, takeover or other business combination involving us or discourage a potential acquirer from making a tender offer or otherwise attempting to obtain control of us.

*Outstanding Warrants, Stock Options And Restricted Stock Agreements May Inhibit Our Ability To Accomplish Future Financings And Adversely Affect Our Stock Price.* The existence of our outstanding warrants, options and restricted stock and the potential for sales of significant amounts of previously unregistered shares of our common stock in the public market, or the perception that such sales could occur, may adversely affect the terms on which we can obtain additional financing or the prevailing market price of our common stock. As of November 30, 2009, there were issued and outstanding:

8,202,261 shares of our common stock;

warrants issued in private placement and other transactions pursuant to which 100,000 shares of our common stock are issuable, at a weighted average exercise price of approximately \$3.20 per share;

warrants issued to the selling shareholders pursuant to which 292,000 shares of our common stock are issuable at an exercise price of \$7.41 per share;

warrants issued to the selling shareholders pursuant to which 320,000 shares of our common stock are issuable at a weighted average exercise price of approximately \$4.77 per share;

warrants issued to the selling shareholders pursuant to which 1,383,661 shares of our common stock are issuable at a weighted average exercise price of approximately \$1.51 per share;

warrants issued to the selling shareholders pursuant to which 805,283 shares of our common stock are issuable at a weighted average exercise price of approximately \$1.73 per share;

convertible debentures which can convert into 1,402,110 shares;

outstanding options under our Amended and Restated Omnibus Incentive Plan to purchase an aggregate of 353,960 shares of our common stock, with an average exercise price of approximately \$7.51 per share; and



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restricted stock award grants for 288,034 shares of our common stock that have been granted of which 188,034 have vested. In addition, 646,501 shares of our common stock were reserved as of November 30, 2009, for issuance pursuant to future grants to be made under our Amended and Restated Omnibus Incentive Plan.

For the life of such options and warrants, the holders will have the opportunity to profit from a rise in the price of the underlying common stock, with a resulting dilution in the interest of other holders of common stock upon exercise or conversion. Further, the option and warrant holders can be expected to exercise their options and warrants at a time when we would, in all likelihood, be able to obtain additional capital by an offering of our unissued common stock on terms more favorable than those originally provided by such options or warrants. Of the total number of shares of common stock currently issued and outstanding, there are likely a small number of unregistered shares outstanding, other than those held by the selling stockholder, and some of those shares may be freely traded or may be traded under certain volume and other restrictions set forth in Rule 144 promulgated under the Securities Act.

The eligibility of the foregoing shares to be sold to the public, whether pursuant to an effective registration statement, Rule 144 or an exemption from the registration requirements may have a material adverse effect on the market value and trading price of our common stock, the scope or extent of which effect we cannot predict.

*We Have Agreed To Certain Limitations Upon Potential Liability Of Our Directors, Which Could Prevent Recovery Of Monetary Damages.* Our Certificate of Incorporation provides that directors will not be personally liable for monetary damages to the Company or its stockholders for a breach of fiduciary duty as a director, subject to limited exceptions. Although such limitation of liability does not affect the availability of equitable remedies such as injunctive relief or rescission, the presence of these provisions in our Certificate of Incorporation could prevent the recovery of monetary damages by the Company or its stockholders.

*We May Have Difficulty Obtaining Director And Officer Liability Insurance In Acceptable Amounts For Acceptable Rates.* We carry insurance protecting our officers and directors and us against claims relating to the conduct of our business ( D&O insurance ). D&O insurance covers the costs incurred by companies and their management to defend against and resolve claims relating to management conduct and results of operations, such as securities class action claims. These claims are extremely expensive to defend against and resolve. Therefore we purchase and maintain D&O insurance to cover some of these costs. We pay significant premiums to acquire and maintain D&O insurance, which is provided by third-party insurers, and we agree to underwrite a portion of such exposures under the terms of these insurance coverages. In recent years the premiums we have paid for D&O insurance had increased substantially. During fiscal 2009 and 2008 we were able to renew our D&O insurance for a reduction in premium over the previous year. We cannot assure that, in the future, we will be able to obtain what we adjudge to be sufficient director and officer liability insurance coverage at acceptable rates and with acceptable deductibles and other limitations. We have received quotes for renewal coverage which are less than the prior year. The current coverage expires February 22, 2010. We may be unable to pay for or we may choose not to seek as much coverage as we adjudge to be sufficient. Failure or inability to obtain such insurance, or the election to accept less than we adjudge sufficient or none at all, could materially harm our financial condition in the event that we are required to defend against and resolve any future securities class actions or other claims made against us or our management arising from the conduct of our operations. Further, obtaining such insurance in an inadequate amount or obtaining none at all may impair our future ability to retain and recruit qualified officers and directors.

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*Business Interruptions Could Adversely Affect Our Business.* We manufacture our products at manufacturing facilities located in Orlando, Florida and Shanghai, China. Our revenues are dependent upon the continued operation of these facilities. The Orlando facility is subject to a lease that expires in April 2015, and the Shanghai facility is subject to a lease that expires in April 2014. Our operations are vulnerable to interruption by fire, hurricane winds and rain, earthquakes, electric power loss, telecommunications failure and other events beyond our control. We do not have a detailed disaster recovery plan for either facility, and we do not have a backup facility, other than the other facility, or contractual arrangements with any other manufacturers in the event of a casualty to or destruction of any facility or if any facility ceases to be available to us for any other reason. If we are required to rebuild or relocate either of our manufacturing facilities, a substantial investment in improvements and equipment would be necessary. We carry only a limited amount of business interruption insurance, which may not sufficiently compensate us for losses that may occur. Our facilities may be subject to electrical blackouts as a consequence of a shortage of available electrical power. We currently do not have backup generators or alternate sources of power in the event of a blackout. If blackouts interrupt our power supply, we would be temporarily unable to continue operations at such facility. Any losses or damages incurred by us as a result of blackouts, rebuilding, relocation or other business interruptions, including the aforementioned, could result in a significant delay or reduction in manufacturing and production capabilities, impair our reputation, harm our ability to retain existing customers and to obtain new customers, and could result in reduced sales, lost revenue, and/or loss of market share, any of which could substantially harm our business and the results of operations.

As an example of this type of risk, we experienced an electric power outage at our Orlando facility caused by the storm named Hurricane Charley from the evening of August 13, 2004 to the morning of August 17, 2004. During this period, we were without the use of our production capacity and lost approximately six shifts of production.

*Our Business Depends, In Part, Upon The Efforts Of Third Parties, Which We Can Not Control.* Part of our strategy for the research, development and commercialization of certain products entails entering into various arrangements with corporate partners, OEMs, licensees and others in order to generate product sales, license fees, royalties and other funds adequate for product development or to enhance commercial prospects. We may also rely on our collaborative partners to conduct research efforts, product testing and to manufacture and market certain of our products. Although we believe that parties to any such arrangements would have an economic motivation to succeed in performing their contractual responsibilities, the amount and timing of resources to be devoted to these activities may not be within our control. There can also be no assurance that we will be successful in establishing any such collaborative arrangements or that, if established, the parties to such arrangements will assist us in commercializing products. We have a non-exclusive agreement with a catalog company to distribute certain of our products. We have agreements with eleven foreign distributors to create markets for GRADIUM and our other products in their respective countries. There can be no assurance, however, that these parties, or any future partners, will perform their obligations as expected or that any revenue will be derived from such arrangements.

*Future Acquisitions To Add To Our Product, Process Or Management Capabilities May Fail To Produce The Desired Benefits And Will Likely Be Dilutive To Existing Stockholders.* We anticipate that in the future, as part of our business strategy, we may find strategic acquisitions of complementary companies, products or technologies to be desirable. In the event of any such future acquisitions, we could:

issue stock that would dilute our current stockholders' percentage ownership;

incur debt;



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assume liabilities; or

incur expenses related to in-process research and development and intangible assets.

Any future acquisitions also could involve numerous risks, including:

problems associated with combining the acquired operations, technologies or products;

unanticipated costs or liabilities;

diversion of management's attention from our existing business;

adverse effects on existing business relationships with suppliers and customers;

risks associated with entering markets in which we have no or limited prior experience; and

potential loss of key employees, particularly those of the acquired entities.

We cannot assure that we will be able to successfully integrate any businesses, products, technologies or personnel that we might acquire in the future, which may harm our business.

*The Loss Of, Or Our Inability To Hire, Key Personnel Would Reduce Our Ability To Manage Our Business Effectively.* Our future success depends upon the continued services of our executive and non-executive officers and other key engineering, sales, marketing, manufacturing and support personnel. Our inability to retain or attract key employees could have a material adverse effect on our business and results of operations. Our operations depend, to a great extent, upon the efforts of our management. We also depend upon our ability to attract additional members to our operations teams to support our strategy. The loss of any of these key employees would adversely affect our business. As of November 30, 2009, we had 132 full-time equivalent employees, with 45 located in Florida and 87 located in China. We expect to continue to hire selectively in the manufacturing, engineering, sales and marketing and administrative functions to the extent consistent with our business levels. Our ability to continue to attract and retain highly skilled personnel will be a critical factor in determining whether we will be successful. Competition for highly skilled personnel is intense. We may not be successful in attracting, assimilating or retaining qualified personnel to fulfill our current or future needs, which could adversely impact our ability to develop and sell our products.

***Risks Related To The Optical Networking Industry***

*Sales Of Some Of Our Products Depend Upon Use Of Optical Networks To Satisfy Increased Bandwidth Requirements.* The future success of this market depends on the continuing increase in the amount of data transmitted over communications networks, or bandwidth, and the growth of optical networks to meet the increased demand for bandwidth. If the internet does not continue to expand as a widespread communications