LEXINGTON, Massachusetts (July 10, 2013) – WinterGreen Research announces that it has published a new study Femtosecond Lasers for Cataract Surgery Market Shares, Strategy, and Forecasts, Worldwide, 2013 to 2019. The 2013 study has 301 pages, 78 tables and figures. Worldwide markets are poised to achieve continuing growth as the aging population worldwide develops cataracts and need surgery. All older people develop cataracts, femtosecond lasers for cataract surgery improve the quality of the surgery in a dramatic manner.

Femtosecond laser technology for cataract surgery represents a paradigm shift. Surgeons approach cataract surgery with the ability to use automated process that is more reliable and more repeatable than manual techniques previously available. Alcon LenSx femtosecond lasers increase precision for key manual steps of the cataract surgery procedure.

This femtosecond laser cataract surgical system equipment makes it possible to deliver reproducible, predictable, and improved clinical outcomes for cataract surgery. Through image-guided visualization and micron-level laser precision, the surgeon has complete control over the surgery process. Femtosecond laser cataract surgical systems offer an improved patient safety profile.

Because of the simultaneous change in demographics and the introduction of automated process, ophthalmologists are facing an explosion in demand for their services the next 20 years. The aging of the baby boomers and the fact that patients older than 65 consume 10 times the eye care of patients younger than 65 creates unprecedented demand for cataract surgery.
Cataracts are a clouding of the eye's natural lens that impairs one's ability to see clearly. With two accommodating Intraocular Lens IOLs likely to be approved within the next 12 months, the premium market is again exciting.

Cataract surgical technology is evolving rapidly. Laser-assisted cataract surgery technology is gaining traction with clinicians. Surgeons are getting trained in the techniques needed to perform surgeries using these new types of equipment. The motivation to learn the new surgical techniques is that the equipment comes with the promise of improved surgical precision.

Ultrasonic phacoemulsification, the standard of care in cataract removal equipment for four decades, has been in great part responsible for the safety and effectiveness of modern cataract surgery. It is certain to remain the dominant lens removal technology in the near term. A technology still in its infancy, laser-assisted cataract surgery using femtosecond lasers and picosecond lasers, promises to raise the standard of precision and safety to new heights. Numerous types, and styles of Intraocular Lenses (IOLs), varying in size, and attachment mechanisms compliment the introduction of the femtosecond laser cataract surgical systems.

Cataract procedures for eye care have improved in accuracy as femtosecond laser-assisted surgery is introduced. Cataract surgery changes are documented in clinical trial and papers. Presentations have provided statistical proof of the potential of the new technology. The research proving effectiveness is of a breakthrough proportion. Precision, control, and efficacy of femtosecond lasers have exceeded manual incisional techniques faster than was anticipated.

Patient populations have significant demand for improved visions as they age. Much of the over 65 population eludes the term elderly as people still remain active into their 70’s, 80’s and 90’s thanks to health clubs and lifestyle changes including lots of exercise and healthy eating. The over 65 and elderly population segment is soaring. Life expectancies are climbing, and extended careers are becoming the norm.

As a result, growing needs and expectations for good vision in all ranges have created significant new market opportunities, expanding demand for multifocal and accommodating laser surgery. Surgeries are position to correct presbyopia, aspheric optics that address spherical aberration and make vision sharper, and support phakic IOLs allowing treatment of extreme refractive error.

Femtosecond lasers for cataract surgery market driving forces include the aging of the population. With age, all people have cataracts which can be cured with IOL. There is an ever-increasing baby boom aging population. There is a growing precision of cataract surgery. Safety of cataract surgical medical devices and lenses are primary market concerns. More advanced procedures are driving an increase in cataract surgery. Lower costs per surgery are driving an increase in cataract surgery.

Cataract surgical technology is evolving rapidly. Premium intraocular lenses (IOLs) introduced during the past decade and those still in the pipeline are raising patient’s post-cataract visual expectations. Laser-assisted cataract surgery technology is gaining traction with clinicians. Surgeons are getting trained in the techniques needed to perform surgeries these new types of equipment. The motivation to
learn the new surgical techniques is that the equipment comes with the promise of improved surgical precision.

According to Susan Eustis, lead author of the WinterGreen Research team that prepared the femtosecond lasers for cataract surgery market research study, “Superior image quality brings clinical improvement. Patients are thrilled when they can see so much more clearly.”

As a result, growing needs and expectations for good vision in all ranges have created significant new market opportunities, expanding demand for multifocal and accommodating IOLs designed to correct presbyopia, aspheric optics that address spherical aberration and make vision sharper, and phakic IOLs allowing treatment of extreme refractive error.

Cataract surgery lasers markets at $572 million in 2012 are anticipated to reach $1.1 billion by 2013 and forecast to reach $2.4 billion dollars by 2019. Growth is a result of new competitors in the market, demand for the laser technology by patients, and the market need by surgeons for greater accuracy in cataract surgery.

WinterGreen Research is an independent research organization funded by the sale of market research studies all over the world and by the implementation of ROI models that are used to calculate the total cost of ownership of equipment, services, and software. The company has 35 distributors worldwide, including Global Information Info Shop, Market Research.com, Research and Markets, electronics.ca, Bloomberg, and Thompson Financial.

WinterGreen Research is positioned to help customers facing challenges that define the modern enterprises. The increasingly global nature of science, technology and engineering is a reflection of the implementation of the globally integrated enterprise. Customers trust wintergreen research to work alongside them to ensure the success of the participation in a particular market segment.

WinterGreen Research supports various market segment programs; provides trusted technical services to the marketing departments. It carries out accurate market share and forecast analysis services for a range of commercial and government customers globally. These are all vital market research support solutions requiring trust and integrity.

Companies Profiled


Report Methodology

This is the 556th report in a series of primary market research reports that provide forecasts in communications, telecommunications, the Internet, computer, software, telephone equipment, health equipment, and energy. Automated process and significant growth potential are priorities in topic selection. The project leaders take direct responsibility for writing and preparing each report. They have significant experience preparing industry studies. Forecasts are based on primary research and proprietary data bases.

The primary research is conducted by talking to customers, distributors and companies. The survey data is not enough to make accurate assessment of market size, so WinterGreen Research looks at the value of shipments and the average price to achieve market assessments. Our track record in achieving accuracy is
unsurpassed in the industry. We are known for being able to develop accurate market shares and projections. This is our specialty.

The analyst process is concentrated on getting good market numbers. This process involves looking at the markets from several different perspectives, including vendor shipments. The interview process is an essential aspect as well. We do have a lot of granular analysis of the different shipments by vendor in the study and addenda prepared after the study was published if that is appropriate.

Forecasts reflect analysis of the market trends in the segment and related segments. Unit and dollar shipments are analyzed through consideration of dollar volume of each market participant in the segment. Installed base analysis and unit analysis is based on interviews and an information search. Market share analysis includes conversations with key customers of products, industry segment leaders, marketing directors, distributors, leading market participants, opinion leaders, and companies seeking to develop measurable market share.

Over 200 in depth interviews are conducted for each report with a broad range of key participants and industry leaders in the market segment. We establish accurate market forecasts based on economic and market conditions as a base. Use input/output ratios, flow charts, and other economic methods to quantify data. Use in-house analysts who meet stringent quality standards.

Interviewing key industry participants, experts and end-users is a central part of the study. Our research includes access to large proprietary databases. Literature search includes analysis of trade publications, government reports, and corporate literature.

Findings and conclusions of this report are based on information gathered from industry sources, including manufacturers, distributors, partners, opinion leaders, and users. Interview data was combined with information gathered through an extensive review of internet and printed sources such as trade publications, trade associations, company literature, and online databases. The projections contained in this report are checked from top down and bottom up analysis to be sure there is congruence from that perspective.

The base year for analysis and projection is 2010. With 2010 and several years prior to that as a baseline, market projections were developed for 2011 through 2017. These projections are based on a combination of a consensus among the opinion leader contacts interviewed combined with understanding of the key market drivers and their impact from a historical and analytical perspective.
The analytical methodologies used to generate the market estimates are based on penetration analyses, similar market analyses, and delta calculations to supplement independent and dependent variable analysis. All analyses are displaying selected descriptions of products and services.

This research includes reference to an ROI model that is part of a series that provides IT systems financial planners access to information that supports analysis of all the numbers that impact management of a product launch or large and complex data center. The methodology used in the models relates to having a sophisticated analytical technique for understanding the impact of workload on processor consumption and cost.

WinterGreen Research has looked at the metrics and independent research to develop assumptions that reflect the actual anticipated usage and cost of systems. Comparative analyses reflect the input of these values into models.

The variables and assumptions provided in the market research study and the ROI models are based on extensive experience in providing research to large enterprise organizations and data centers. The ROI models have lists of servers from different manufacturers, Systems z models from IBM, and labor costs by category around the world. This information has been developed from WinterGreen research proprietary data bases constructed as a result of preparing market research studies that address the software, energy, healthcare, telecommunications, and hardware businesses.
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Femtosecond Lasers for Cataract Surgery: Market Shares and Market Forecasts

This section selectively describes market shares, forecasts, segments, and regional revenue. Numbers are the result of primary research in all cases. Selected companies are described from an independent analyst perspective with a thumbnail sketch or analysis of their market numbers or commentary on their strengths and weaknesses. Some of the analysis is focused on looking at the topic segment by segment, including company descriptive analyses by segment and subsegment.

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Femtosecond Lasers for Cataract Surgery: Product Description

This section describes selected companies and selected products. Products for this market segment are described with attention to the most significant aspect of features and functions in this category of product. The juxtaposition of a range of different product descriptions from a single market category provides a really good way to access market directions and achieve market competitive analysis. This section is arranged in three pieces: immersive products, conference room products, and end point products. Company products are described in the appropriate sections, meaning a company is mentioned several times in the chapter in different places.

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Femtosecond Lasers for Cataract Surgery: Company Profiles

This section selectively describes company strategies, partners, acquisitions, and revenue by segment and regional revenue when available. Companies are described by looking at what is most interesting about that company. The descriptions collectively give a sense of market directions within the industry segment. The alphabetical listing of company thumbnail sketches provides an accessible way to find out what is going on in any particular company.

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**ABOUT THE COMPANY**

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