

The Lambda Laser Beam

Lambda discusses the guardian of artistic property and effective medical instrument



“From the well-being of works of art to the well-being of people”. If we were to summarize the evolution of the Lambda of Vicenza, Italy, in just one sentence then it is “a joint-stock company that is one of the first laser manu-

facturers in the world” could be a well-guessed slogan. Because it was with this difficult and delicate “mission” of preserving the great works of art that in the late 80s, Lambda began systematically and professionally using this fascinating and mysterious laser beam. By amplifying light through stimulated emission of radiation (Light Amplification through Stimulated Emission of Radiations), from which comes the famous

the past.

The list of works and the fame of this Company is impressive, it operates throughout the world for some of the most prestigious clients (UNESCO, Vatican, Central Institute of Restoration, Superintendents, famous Museums, etc.), present with over twenty years of activity. That life-giving beam focused on the famous Last Supper by Leonardo da Vinci, it lingered over



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acronym, an expertly selected ray, dosed in the right intensity, makes the laces of the Orvieto Cathedral, it illuminated the beautiful Bridal

“This technology represents an optimal solution in the treatment of many diseases”

it possible for Lambda specialists not only to monitor and control the physical parameters that determine the micro-climate of museums and artistic circles, but also to give a new look and life to masterpieces of

Chamber in the Palazzo Ducale in Mantua, it spaced in the Vatican Grottoes under the dome of St. Peter’s and other non-less noble cathedral throughout the area. It also cleverly searched

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the rooms of the Palazzo Reale in Naples and in the chapels of the Sacro Monte of Varallo, in Spain, it worked in the Alhambra of Granada and in the rooms of the medieval castle of Blois in France and Fénis in the Aosta Valley. Not forgetting the Hermitage in St. Petersburg (Russia) and not least the restoration of the buildings of

the Imperial City in Beijing (China).

However the list of restoration and air conditioning programs carried out would be too long to explain the success of a company that made the laser a magic tool for “Artistic First Aid”. Having established the effectiveness of this life-giving ray, we are now particularly interested in finding out why its features

“also” match admirably with various dental treatments. In fact, there is a unique parallel between the qualities of a “restoration” laser and that of a “dental care” laser - points out Pierpaolo Marcon, CEO for Lambda - In restoration, the laser is an absolutely ideal tool: it is naturally non-invasive, self-limited, it has little impact on works of art, selectively removing the signs of degradation





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present in the work and respecting the substrate, without coming into direct contact with surfaces”. The consequential results are precious: the controllability of the intervention, the preliminary evaluation of the effects, safe for both the operator and the environment.

Requisites that are much appreciated “also” in the various areas which make up the dental surgery. This technology represents an optimal solution in the treatment of many diseases, especially in the treatment of soft tissues of the mouth, ensuring nearly painless, long-lasting results and self-evident benefits: less

the laser. Another indirect consequence (but certainly not less valuable individually) is the “different” image that the Studio and the professional project compared to those who do not use this instrument or who (it happens more often than not) have purchased it but leave it in a corner to gather dust.

Returning to the “dental surgery laser”, when about fifteen years ago at Lambda we noticed that the quality of the “restoration beam” well matched dental treatments, it was decided to open another production strand called “ Doctor Smile” essentially based on the principle of be-

“Benefits acknowledged and confirmed by scientific publications, which resulted in an increase in the spread of the laser”

pain and discomfort for the patient, more expeditious interventions with less use of anesthetics, faster healing.

Benefits unanimously acknowledged and confirmed by numerous scientific publications, which resulted in an increase in the spread of

ing “customer oriented”, where particular consideration is given especially to the user, thus simplifying to the extent possible the use of the equipment (Lambda lasers have a maximum of five buttons to press) and illustrating the many theoretical and practical demonstrations at conferences, in Studi-



ic opportunities for the dental practice, bearing in mind that technology changes are fast and indispensable. “We must be ready to accept innovation with awareness – they say at Lambda - with correct and continuous training that will allow us to continue to be the market leader in dental lasers”. www.lambdaspa.com
www.doctor-smile.com

os and during workshop. The most current problem for Lambda today is not so much technical excellence, because the levels of production quality achieved are backed by the orders that come in from all over the world (especially from USA, India, Russia and China), nor the high cost of the equipment, given the

laser in dentistry and in the perioral: protocols and techniques to operate safely”, prepared in collaboration with prestigious Universities.

Further information on the instrument and dissemination is provided for by “product specialists”, or rather demonstrators whose technical

cation of laser technology and above all share the benefits in terms of “patient care” and econom-

“We must be ready to accept innovation with awareness”

excellent quality/price ratio, but knowing how to transform a still widespread indifference to the laser into enthusiasm, the non-knowledge into daily practice.

Hence the vast information campaign for Lambda throughout Italy and abroad: “We divided the applications - says Marcon - by type of intervention, so as to explain each transaction individually and in detail”. With authentic titles for the courses “in progress throughout Italy” and abroad: “The laser in daily dentistry practice” or “The benefits of laser assisted dentistry in daily practice”, but also attended and significant is the course entitled: “The

knowledge is backed by clinical training, for a “direct marketing” plan that takes into consideration “what the dentist does in his study every day and how he would do it if he used the laser instead”.

The courses are targeted for those who do not yet have specific experience on the use, and those who want to enhance their knowledge of clinical applications. During the meetings the physical properties of the laser and safety regulations are introduced, the daily use in the Studio is analyzed by analyzing clinical cases supported by video and other interventions to the chair. It is important to strengthen basic knowledge in the appli-

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1 Marinho V et al. (2002) Cochrane Database Syst Rev. no3.

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