



**LAMBDA**  
*HOME OF TECHNOLOGY*

# HISTORY

Our territory, rich in cultural heritage and strongly business oriented, has contributed greatly to the fast development of **LAMBDA**'s activity on the national and international market. **LAMBDA** soon became famous for its specialization in laser manufacturing.



**LAMBDA SpA** has been active in the design and the production of medical laser technology for many years:

1996

**LAMBDA Scientifica Srl** is founded: a team with over ten years of experience in electronics starts to develop electronic devices for the conservation of art work.

1998/99

**LAMBDA Scientifica Srl** after a phase of research and development, the first art conservation laser are created.

2000/01

**LAMBDA Scientifica Srl** enters the dental market: the knowledge acquired on laser technology shifts to its medical applications, with the development of the first Nd:YAG and diode lasers for dentistry.

2003

The **Doctor Smile** brand is registered: thanks to years of experience and qualified personnel **LAMBDA** starts marketing its own brand of dental lasers.

2007

**LAMBDA** is now on the international dental market: at the IDS EXHIBITION in Cologne (Germany) Doctor Smile presents the Erbium & Diode and other diode lasers.

2009

**LAMBDA Scientifica SpA** becomes **LAMBDA SpA**: the new headquarters bring together the optic and electronic laboratories, the production area, with the addition of a showroom and a conference room for various events. The research and development department is boosted by the arrival of specialized engineers to develop new laser technology. In the same year, at the IDS exhibition, **LAMBDA** presents the new Wiser and Pluser diode and erbium lasers.

2010

**LAMBDA**'s research and development grows thanks to the collaboration with Universities such as the University of Genova, La Sapienza in Rome and Bicocca in Milan. Key experts in the use of lasers in dentistry also contribute to the constant improvement and growth of laser technology.

2015

**LAMBDA** presents the new evolution of its **Doctor Smile** Lasers for dentistry, a real revolution for dentists and patients: the new Wiser diode laser and the new Pluser erbium lasers are born.

2017

With the new **doctorVet** brand, **LAMBDA** enters the veterinary world with a multi-diode laser.

# OUR COMPANY

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Not far from Venice, Italy, an active young company has been making **laser technology** its core business since almost 20 years.

Love and passion towards this extraordinary technology have made **LAMBDA** one of the most well established players on the international market.

**LAMBDA** is a young and dynamic company in continuous growth. We strongly believe in the participation of our team at every level of our innovation process: *that's the group spirit that brings us together!*



## "the Team





# BORN TO BE KIND

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The experience of **LAMBDA** started in 1996 with the production of equipment for cultural heritage restoration.

**Laser Technology** guarantees selective, tunable and high quality cleaning.

The laser beam is absorbed by the surface without affecting the substrate. The final result is immediately visible.



“Experts in the care  
of cultural heritage

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Higher homogeneity, speed and easiness of cleaning are the main advantages compared to the traditional techniques.







Laser Cleaning of frescoes in the Apostolic Palace of the Lateran in Rome



Before



After



## OVERCOMING CHALLENGES

Thanks to the experience acquired over the years, the company became quickly able to produce more performing equipment.

After a while **LAMBDA** was appointed as official partner of many of Italian heritage sites, museums and cultural institutions.

*LAMBDA is working for restoration laboratory of Vatican Museum, Royal Armoury of Turin, Last Supper Museum in Milan, Museum of Louvre in Paris.*



Cleaning phases

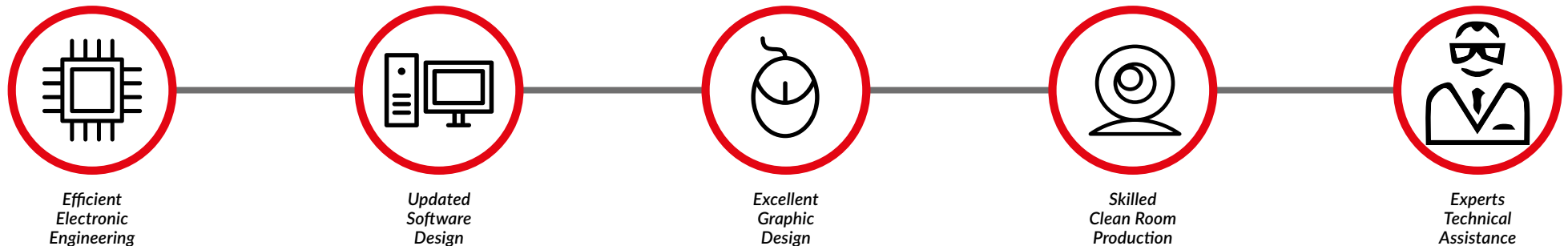
# THE VALUE OF A GREAT EXPERIENCE

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The great experience acquired in such a specialized field, led the company to grow quickly over the years, looking ahead to new frontiers. In order to face everyday challenges, **LAMBDA** staff is today formed only by highly qualified members.

“the difference lies  
in the care we take  
in every detail

## OUR VALUE CHAIN

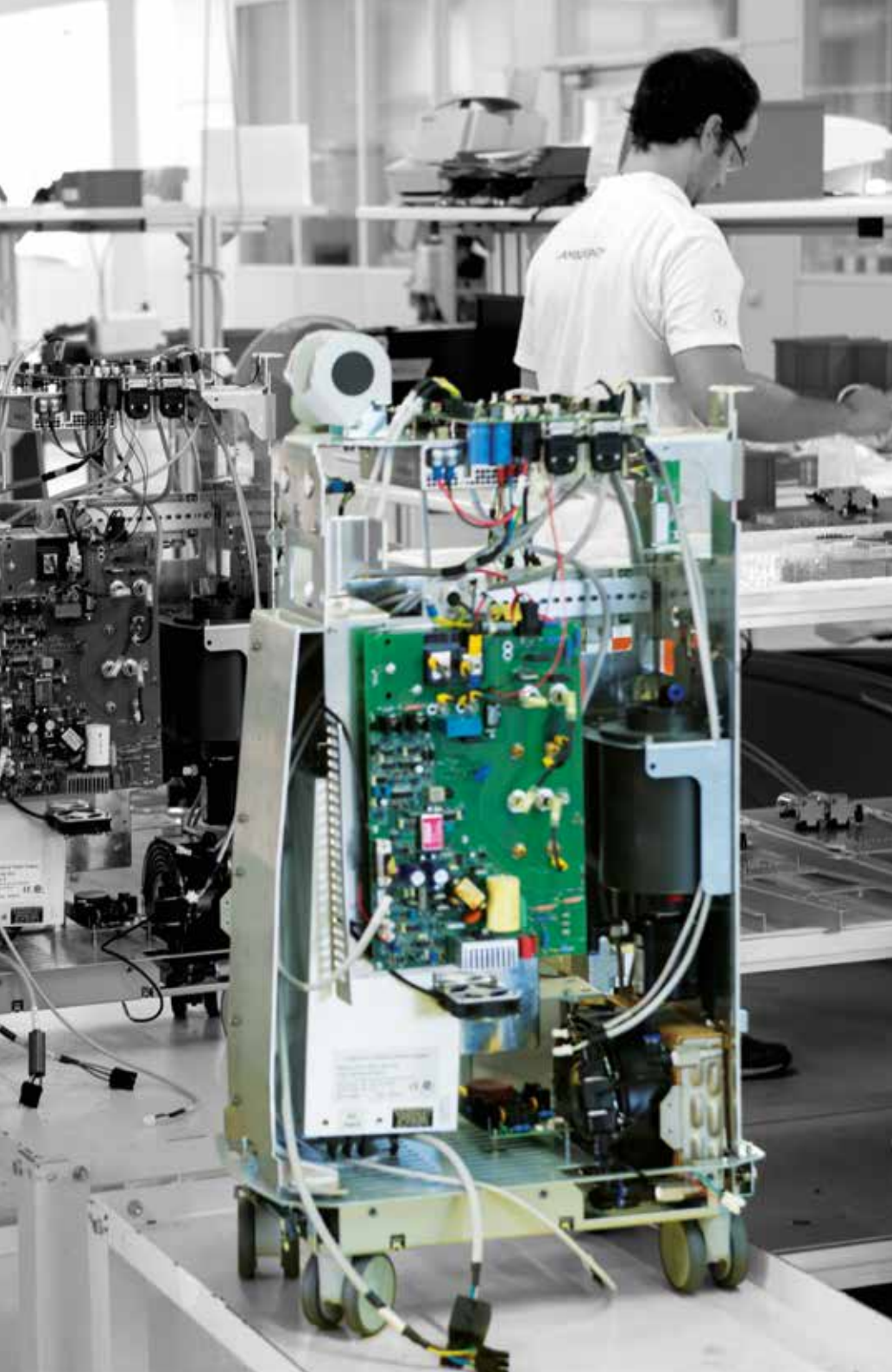


When looking out for market needs, only the sum of our high production standards can guarantee the creation of Advanced **Laser** technology.

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# THE STRENGTH OF OUR **SKILLS**

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Highly skilled personnel is in charge of the production process, during which maximum quality standards are reached.

Physicians, optical and electronic engineers are involved in each single production stage, to ensure the best technological and scientific level.

Lasers are delicate and complex but the care and expertise put into each device makes the difference in terms of quality and durability.







# FOR CULTURAL HERITAGE AND FOR **HUMAN BEINGS**

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Since 2000 the company specializes in the production of lasers for the medical and dental field.

The company is specialized in the production of diode laser sources and erbium laser sources. Our know how has led it to be one of the best global company in the production of laser technologies.





# THE TURNING POINT

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In **2003** the brand **DOCTOR SMILE** was created. With the launch of this new line, the company entered the dental market with a clear mission:

“Provide equipment that is useful and close to dentist's needs







**Wiser** is a lightweight, innovative and compact **diode laser**, made to reach high level performance at every treatment. It is easy to use for beginners and maximizes the performance of experts.

**Wiser** is a dental laser designed for use in endodontics, periodontics, soft tissue surgery, therapy, photobiomodulation and whitening.

The sophisticated **TOP Tissue Optimized Pulsing** feature gives the right power for every type of soft tissue. Its advanced three mode software (Assisted, Fast and Advanced) includes the **LAP, Laser Assisted Protocol**, that simplifies and accelerates everyday treatments: it is a guide designed to accompany the user and guarantee maximum safety.

Portable and chargeable; select treatments quickly with the touch icon display.





The **erbium laser technology** that every modern dental practice should offer its patients, from advanced surgery to routine treatments, because it improves quality and efficiency.

With **Pluser**, caries removal takes on a new light and becomes an easy and reassuring task. **Pluser's** high power yields faster preparation, without annoying contact or painful vibrations.

When using **Pluser**, the new **proXimo** software designed by Doctor Smile on Android will guide you in the treatment selection with a simple swipe through the sliding menus.

**Pluser's** handpieces can be changed with a simple click: from dentistry to dermatology laser technology is always at hand. With the Magic Arm, finding a comfortable position is easy.

**Pluser** has a direct wi-fi connection for software, protocol and video updates; 24h assistance to solve any complication.



CARIES  
REMOVAL



SOFT  
TISSUE



BONE  
SURGERY



DERMAL  
SURGERY







In 2017 **LAMBDA** opens to the veterinary market with a new laser for animal care.

**doctorVet** is a **multi-diode laser** useful for diverse veterinary treatments. By combining three different infrared wavelengths (660nm, 808nm e 915nm), **doctorVet** ensures optimal preparation and stimulation without heating the tissue on the surface. It is ideal to ease pain, heal wounds, and biostimulate in dermatology and oral hygiene.

**doctorVet** is compact and portable, practical for everyday use. The extralife lithium batteries are long lasting and powerful (16W peak laser power). The four different treatment heads are designed for a wide variety of applications.

On the 7" touch display you can quickly access the therapy treatments; **TOBI** (*Treatment On Board Instructions*) can guide you through each phase of the protocol to guarantee the success of your veterinary treatment.



ACUTE  
PAIN



WOUND  
HEALING



CHRONIC  
PAIN



INFECTION



POST SURGICAL  
RECOVERY

**OUR COMPANY SHARES  
ITS EXPERIENCE  
IN OVER 52 COUNTRIES**

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The great success achieved in the domestic market led the company internationalize the brand. The perfect occasion was IDS 2007 in Cologne, where the new line of diode and erbium laser was presented.



**A GLOBAL CHALLENGE**



# QUALITY? WE TAKE IT SERIOUSLY

LAMBDA guarantees a high quality standard for its products, to satisfy even the most demanding customers.

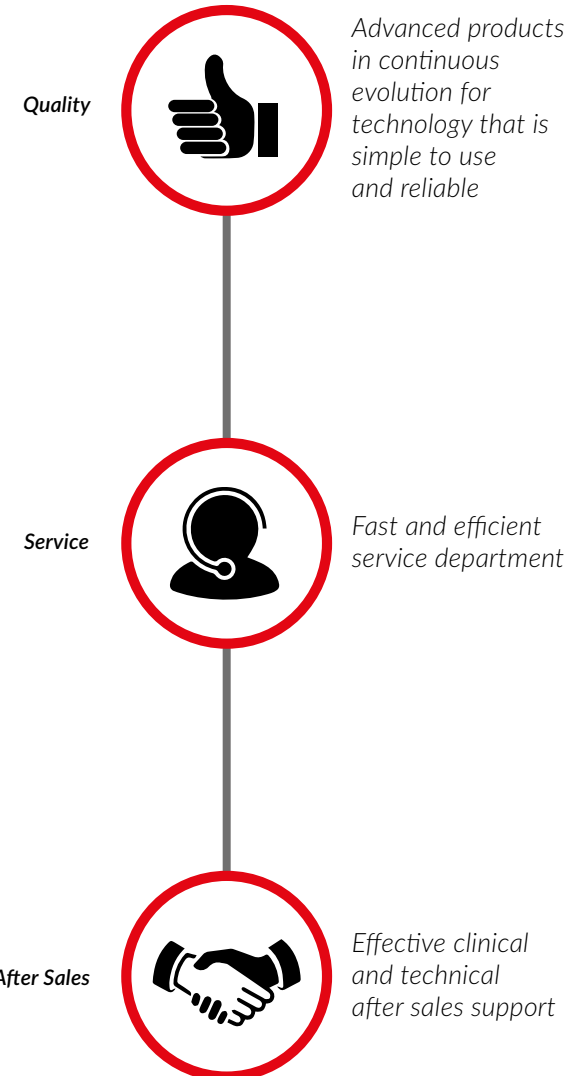
Our equipment are certified medical device according to **Vision 2009** and **93/42**.

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Thanks to our high standards, **LAMBDA** has acquired international certifications as well, to enter the products in highly competitive markets.



## WE'RE EXPERTS AND READY FOR ANYTHING



# EDUCATIONAL FIRST

From the very beginning LAMBDA has always invested in educational programs.

With reliable, certified and guaranteed clinical protocols, **LAMBDA** is constantly and actively collaborating with universities and institutions in order to provide high level and up-to-date training courses.



**Master Class Academy** is a higher education institute dedicated to offering top level knowledge in the medical field, especially in the use of laser and other technology. Thanks to its world wide base of academic collaborations, **Master Class Academy** has a global approach to education that aims at bringing state of the art information to medical doctors in every country.



## KNOWLEDGE

**Master Class Academy** in Italy offers the opportunities to learn about laser technology to laser technology in order to offer profes

## HOSPITALITY

Dedication and competence are the foundation of our hospitality: our staff is always ready to attentively assist each client and respond to their specific requests.



## HIGHER EDUCATION

Better knowledge of laser technology for better, faster and safer dental care. Our courses have different levels, and can be held in different languages for foreign guests. **Master Class Academy** tutors are internationally acknowledged experts and they will assist course participants through all of the theoretical and practical knowledge of their educational program.



## BUSINESS & MARKETING

**Master Class Academy** offers dental professionals all the support, inspiration and certifications necessary to stay up to date and to maximize profit from the investment in laser technology.



*learn to change...*

**Master Class**  
masterclassacademy.it



most complete calendar of educational  
y. Our courses focus on all the aspects tied  
essionals the knowledge they really need.



UTURE  
ERE  
W!



change to learn

**ss Academy**  
info@masterclassacademy.it

## INTEGRATION

**Master Class Academy** tutors are internationally acknowledged and expert users of laser technology. They have the ability to transfer their experience constructively to those who wish to apply the technology immediately to their everyday practice.

## HANDS ON

The vast offer of course includes different programs: one-day introductory courses, advanced level course with Live surgery sessions, and practical application on simulators: all the knowledge necessary to appreciate the simplicity of the use of laser technology.

## CLINICAL

Get to know laser technology through videos and case reports that our Italian and International tutors have made for **Master Class Academy**.

# MCA GOALS

**Master Class Academy** organizes focused training courses to achieve the most effective use of laser technology, in order to create high-level educational opportunities in the medical field with a minimally invasive approach to the patient.

- DIODE LASER TRAINING
- ERBIUM LASER TRAINING
- ADVANCED DENTAL LASER TRAINING
- ADVANCED TRAINING IN DENTAL HYGIENE
- LASERS IN AESTHETICS
- MARKETING TOOLS FOR THE MEDICAL PRACTICE
- LASER SAFETY

# MCA OBJECTIVES

- promote excellency in the medical field
- broaden the use of technology especially in the medical field
- connect and network research institutions
- organize conferences and events, courses and scientific debates on a national and international level and promote and organize post graduate courses
- develop technology and knowhow in medical science and high tech medical devices
  - contribute to publishing clinical and technical research
- promote debates and diffuse information through newsletters, webpages, etc



**Master Class Academy** works with the best Universities and research institutes in Italy and around the world to offer the highest level of education.

Thanks to the collaboration with the manufacturers of cutting edge medical technology, MCA offers participants a complete educational experience, dedicated to the use of laser technology in the medical field and much more!





# VISIT & LEARN



## EXPERIENCE LASER. EXPERIENCE ITALY.

Learn how to use laser technology in dentistry in one of the most beautiful countries in the world.

**Master Class Academy** training will give you important knowledge for your medical profession, with the latest clinical information available. At the same time you'll have the opportunity to visit the world's greatest treasure of art, Italy: spectacular cities, a rich cultural heritage, mild climate and delicious authentic cuisine.

### Your journey experience includes:

- Technical training with specialized laser engineers
- Visit to the LAMBDA S.p.A. production site to discover how lasers are made
- Clinical session with a Master Class Academy Laser tutor
- Discussion and analysis of clinical case reports on video
- Hands on practical session on models and animal tissue







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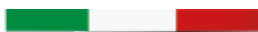
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*Italian Way*

