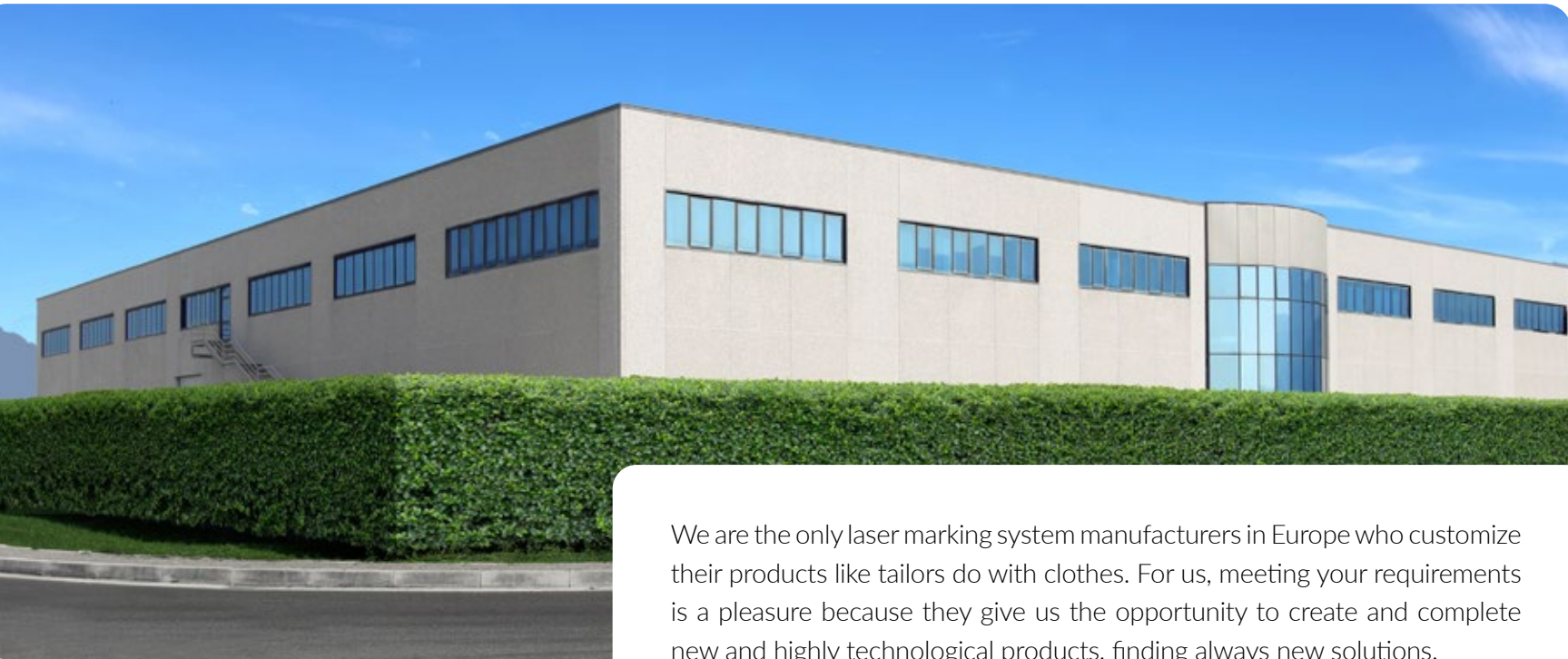




We've been manufacturing
laser-marking and engraving systems since 1990



We are the only laser marking system manufacturers in Europe who customize their products like tailors do with clothes. For us, meeting your requirements is a pleasure because they give us the opportunity to create and complete new and highly technological products, finding always new solutions.



We are excellent problem-solvers who never give up until even the smallest detail is perfect.

Our offering includes customized solutions designed by a team of designers and software engineers for the automotive, medical, home appliance, electronic, hydraulic and military industries.

As perfectionists, we believe that the word impossible only means that you haven't found the right solution yet. ***Leave that to us.***



Timeline

1990-1995

LASIT is the brainchild of Marco levoli and Candida Colonna, who opened their first office near the Sorrento Coast. In just one year, they created **Europe's first 3-axis laser marking head**.



2004-2007

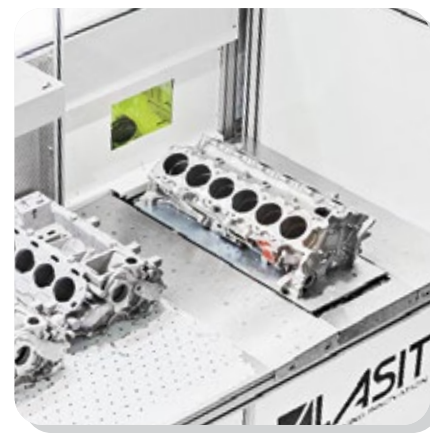
LASIT discontinues the production of the single laser source and starts designing marking systems for **industrial automation**. In partnership with the ILT institute in Aachen, Lasit creates the **real-time laser beam** control system.

when everything began



1996-2003

The company keeps growing and acquires its **first major client**, IS-CAR. In the meantime, its workshops create the first air cooled **Nd: Yag laser**.





2008-2013

The second generation of the Levoli family joins the team, **boosting both sales and production**. The company moves **to a larger plant**.

2014-2019

The freshly-expanded engineering department creates the first **laser system that works with a robot**. LASIT **becomes international**, acquiring clients from all over the world and opening two new headquarters in Milan and Augusta (USA), respectively.



continues...

2020.

Always keen on promoting **ambition** and a **positive atmosphere**, today the company operates in a 12,000 sq.m plant, which includes a relaxation area, a gym, and a library. The employees strongly wanted these areas **to consolidate team-building**.

The advantages of *laser marking*

✓ *Automation*

In large industrial productions, processes must be integrated to **optimize time and costs**. LASIT marking systems are designed to be **integrated and configured in the production chain and connected to the software**.

✓ *Dynamic data*

An **automated** process allows us to monitor data constantly so that we can access any production-related information or make necessary changes before the next step.

✓ *Resistance*

Laser marking is **indelible** and almost impossible to damage. This characteristic is essential when we need to get information about a damaged product or after a **long period of time**.

✓ *Cost reduction*

Laser marking is a **cost-effective** traceability system, since there are **no costs** for maintenance and **disposal** of waste materials.



Size

The laser **spot** is **very small**, which means it can also mark parts of the product that are difficult to reach.



Quality

Laser marking ensures **high-precision** even with **complex** geometric details.

Application examples



Automotive

Laser Marking
on a steel brake disc



Home Appliance

Laser Marking
on a washing machine front panel



Hydraulics

Laser Marking
on a hydraulic fitting



Automotive

Laser marking on
aluminum die-castings



Medical

Laser Marking
on a surgical instrument



Tools

Laser Marking
on steel cutters

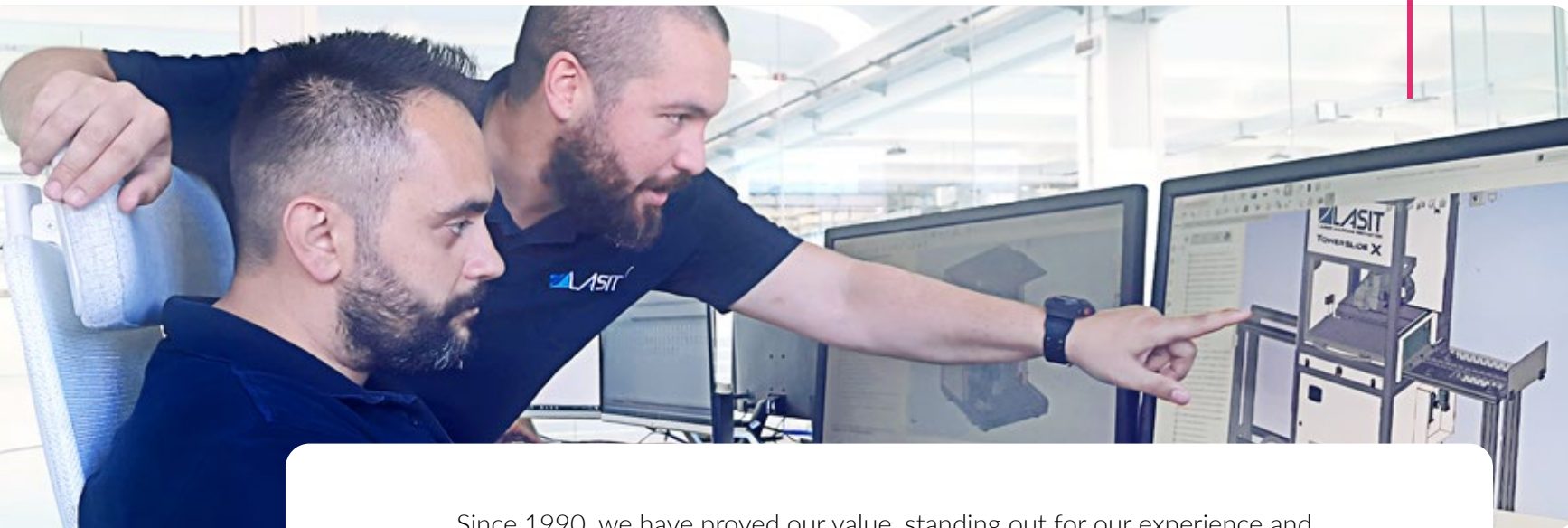


Electronics

Laser marking on plastic
electronic components



Why choose *LASIT*



Since 1990, we have proved our value, standing out for our experience and expertise, even when the competition doubled.



4890

Clients in the world



7129

Machines distributed



+189

Growth since 2015

Mechanical Customization

We manufacture machines like a tailor sews a tailor-made suit. We feel passionate and love our job and every new request is treated as a unique opportunity to challenge the status quo.

Our mechanical engineers are able to align the customers' expectations with the designed project and are carefully trained to resolve to most complex obstacles. Integrated in-line or fully automatic systems, with our experience we know how to find the most economical solutions for our customers.



Why choose *LASIT*

✓ *Software Customization*

If you are looking for personalized software to match your production environment then this is exactly what you can achieve at LASIT.

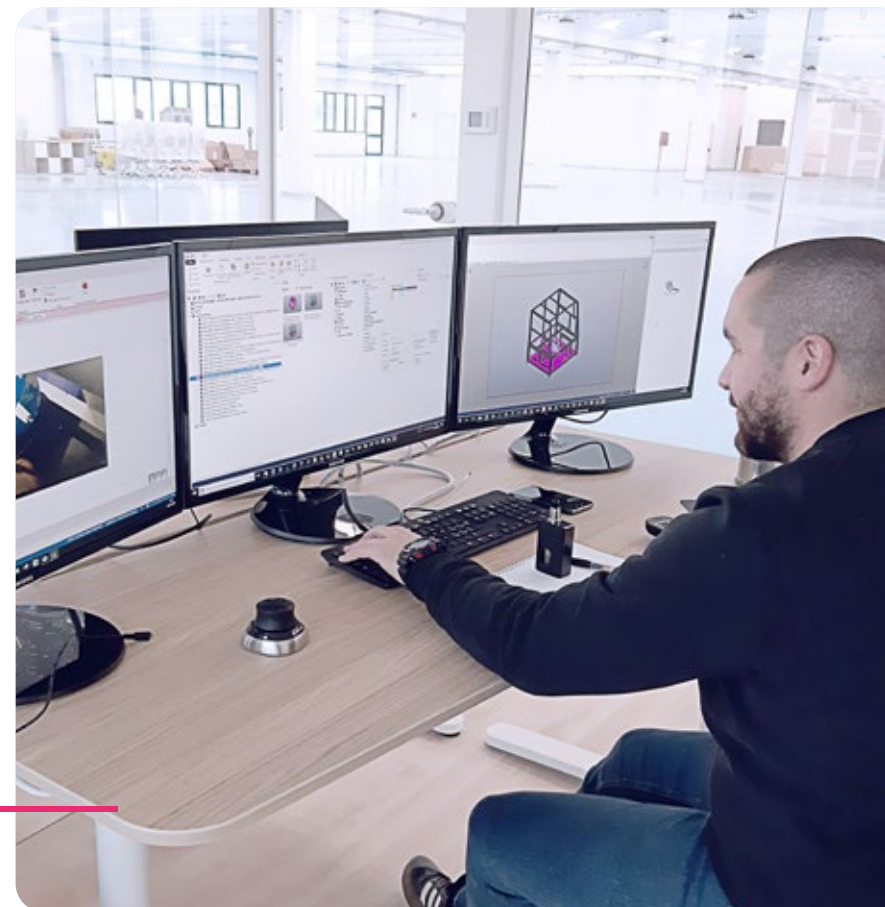
Customizing the software means reducing human dependency, reduction in cycle time per part and increase the overall use-age and efficiency of the machine. For this reason, LASIT has developed specific action protocols to manage even the most complex processes.



Research and development

Anticipate market needs is our favorite job. At the core of LASIT is our R&D department working on and advancing of existing technology and innovations. By pro-actively investing resources we are able to provide solutions that are changing the way in which customers produce their components.

We believe in combining the experience of our most skilled engineers with the innovation of young and enterprising minds. This is why we actively collaborate with universities and research centers: always getting the most out of every project.

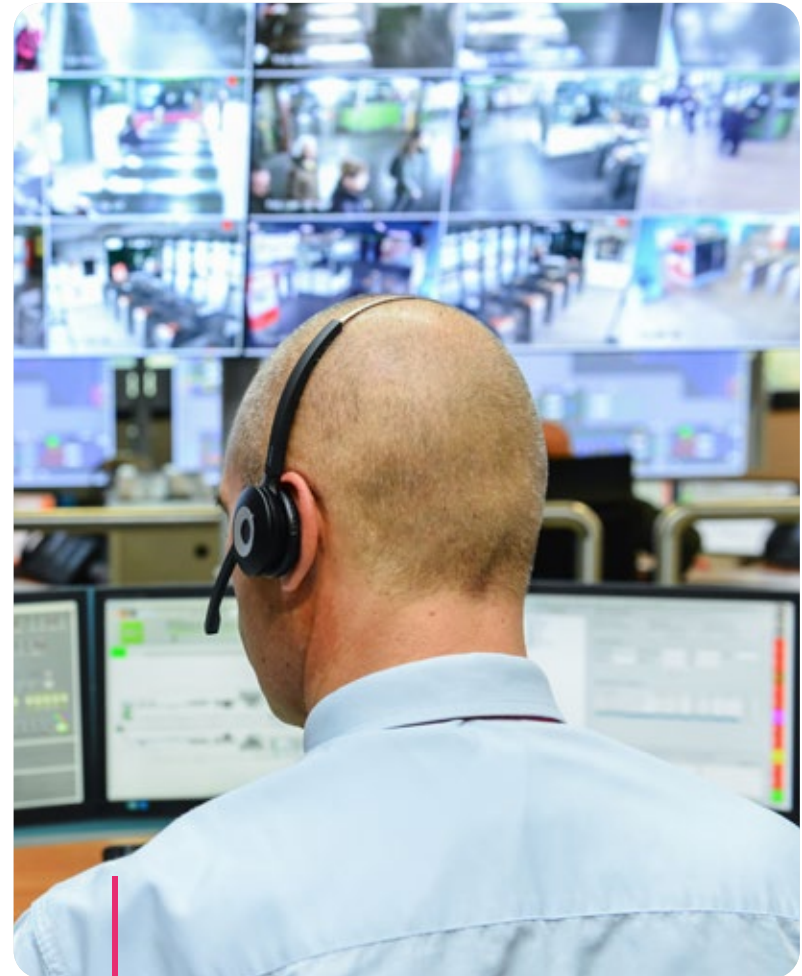


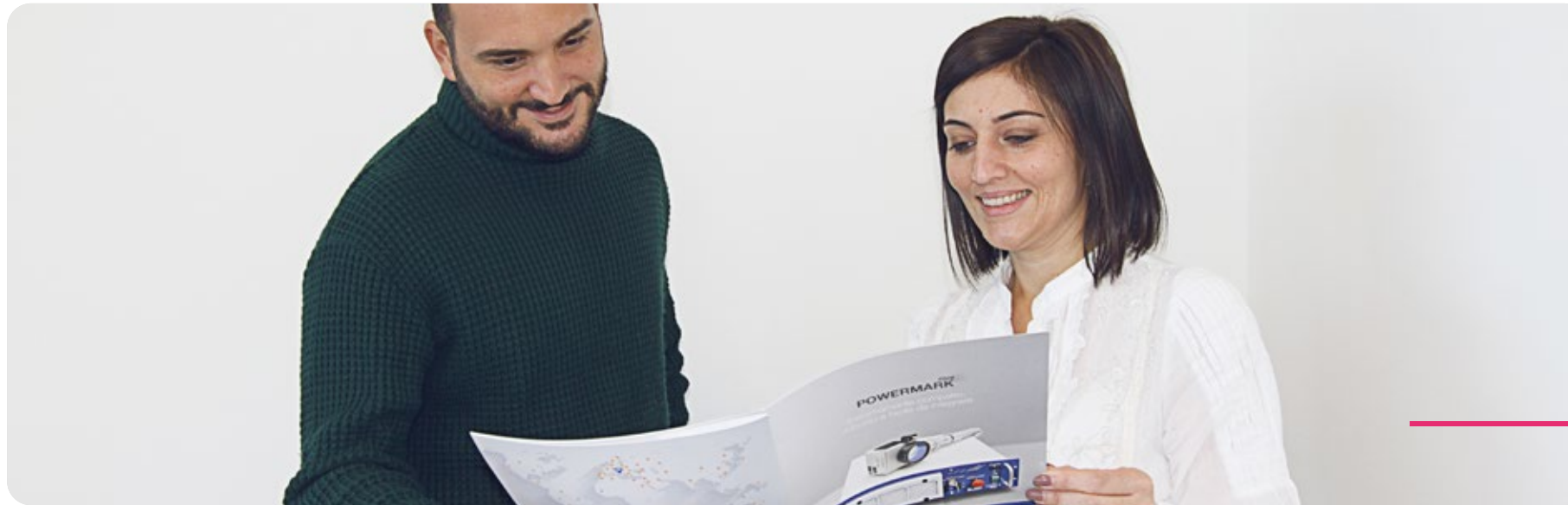
Why choose *LASIT*

✓ *Customer Care*

Selling is not the end of the journey, it is the beginning of a collaboration. Thanks to our high technological specialization, we provide customers with all the necessary tools and support.

With technology we are able to provide accurate information and fast assistance. Thanks to a system of mobile and fixed cameras, we can connect with our customers at any time, from all areas of the company. It becomes so convenient and quick to talk to the managers of your project and see its progress in real time from all points of view.





Some of our clients

Ferrari

ABB

Schneider
Electric

B/S/H/

FCA

brembo

Nobel
Biocare

bticino

DUCATI

AMERICAN
AXLE &
MANUFACTURING

BERETTA

Itron

SVC

VOLVO

Rexroth
Bosch Group

lsnr

Production process



Project analysis and study

1

Hardware and software design

Choosing the system, integrations and possible accessories and **software design** based on laser's interaction with the line or machine.



2



Focus on LASIT

Thanks to the company's camera system you just have to ask to be **immediately connected to a sales operator** and take a tour of the various departments.

3



Tests on products

Engineers carry out **tests on materials simulating different stress conditions** based on the application, providing the best solution between **12 laser sources** with **different power**.

4

7

Installation and Training

Our specialized technicians train your staff **at your premises** and are ready to support them for any need.

6

Final testing

Before shipment, every laser-marking system **is tested** based on the product's specifications.

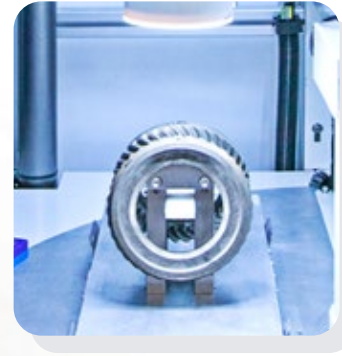
5

Starting production and checking the stages

Thanks to our **MES ERP system** we check every stage of the process, optimizing time and work.



The Product



Reliability

On the market since 1990, **today** we are **Italy's largest** laser marking **factory**. A LASIT laser-marking system is the result of continuous improvement.



No intermediaries

From mechanics to software, we manufacture every component in our systems. **Even the last screw is our responsibility.**



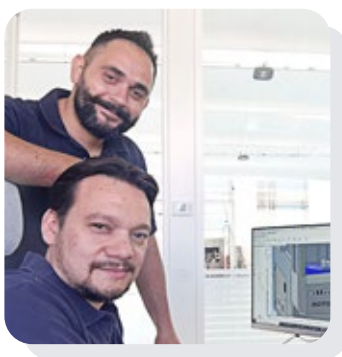
Production Inspection

Every **production stage** is **meticulously inspected**. Therefore, when the laser-marking system undergoes the final inspection, it's ready to succeed any **stress-test**.



Versatility

Our products **can be integrated with different accessories** to **ensure efficiency** even when new marking requirements arise or new components must be marked.



Customization

We manufacture **customized systems** that meet **specific needs** and help our clients be more efficient, **making their work easier**.



Safety

LASIT laser systems fall within **Class 1**. This means that they are **fully safe** for the operator, and certified according to the IEC 60825-1 standard (*ANSI Z136 in the US*).

Laser for integration



Six laser sources with different power (depending on use) to ensure the desired effect and quality on every material.



FiberFly

Ideal for marking metal, the infrared fiber laser is the most popular and versatile of its category.



FlyMOPA

Its adjustable pulse duration ensures high contrast without burns. Ideal for colored marking.



FlyUV

The best-performing laser on plastics for aesthetic marking, especially appreciated in the medical and home appliance industries.



FlyPico

For complex, black and impalpable marking. Perfect for applications that undergo post-marking treatments.



FlyPeak

FlyPeak is ideal for marking all types of plastic, ensuring high peak power and short pulse duration compared to other lasers in the same category.



FlyCO2

Ideal for marking organic materials, such as wood, fabrics, gems, and transparent objects on which other lasers don't work.

Standard Solutions

✓ *MicroMark G3*

Practical and efficient, it's the smallest and most compact in its category. Ideal for those who want to ensure productivity and keep prices low.

✓ *TowerMark*

LASIT's most sold and versatile product. It can be equipped with up to 3 axes, work with robots and integrate all vision systems.

✓ *CompactMark G8*

Its steel structure and large surface are designed for those who must make small markings and mark many components in just one go. It has 3 axes, but it can fit up to 5 axes by adding the C axis and the rotary head.

✓ *RotoMark*

Our rotary table laser marking machines (up to 8 workstations) has been designed to increase productivity. While the laser marks a component, the operator can load the subsequent one.

Accessories for every need



Vision system
Side or TTL



Manual or
automatic
rotary head



Rotary
Axis (W)



Tilting
rotary
axis



Side
doors



Extractor with
HEPA filter



Control panel
with dual screen



Wheels



Barcode reader for
programming
production orders



TowerMark X



CompactMark G8



MicroMark G3



RotoMark

Custom Solutions



Flylabel

Order and precision in the hydraulic world

- Automatic marking of tags
- Up to 4 loaders for 400 tags;
- Methodical or random unloading
- Pick&Place system
- Venturi vacuum not to damage the tags





Polaris

The Home appliance viewed in 3D

- Rotary table (*up to 8 workstations*) to mark while loading another component
- 3D scan and acquisition of the component geometry
- 3-axis laser head for marking non-flat surfaces



Custom Solutions

PenFeeder

The joy for every gadget

- Up to 3600 pcs/h marked automatically and non-stop
- All-round markings
- Custom software interface
- 2 laser sources to mark any material
- Methodical unloading with the pick&place system





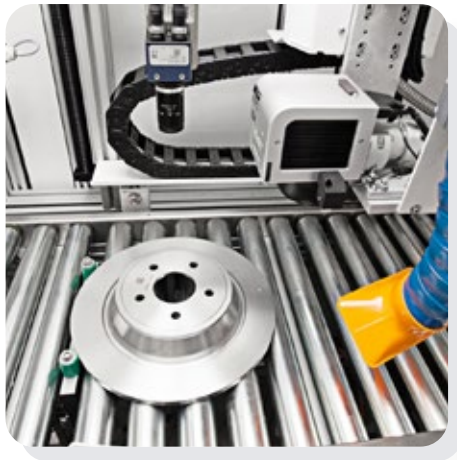
TowerBelt

A shock for the electronic world

- Non-stop marking
- Dual operating mode: static or automatic
- Sensors for recognizing the component to be marked and mark it automatically
- Motorized conveyor belt to store the components



Custom Solutions



FlyRoller

No stops for the assembly chain

- Motorized conveyor belt for conveying the workpieces
- Designed to work with robots
- Custom software interface with client database
- Stop gates at the entrance of the marking cabinet
- Vision system to check the code



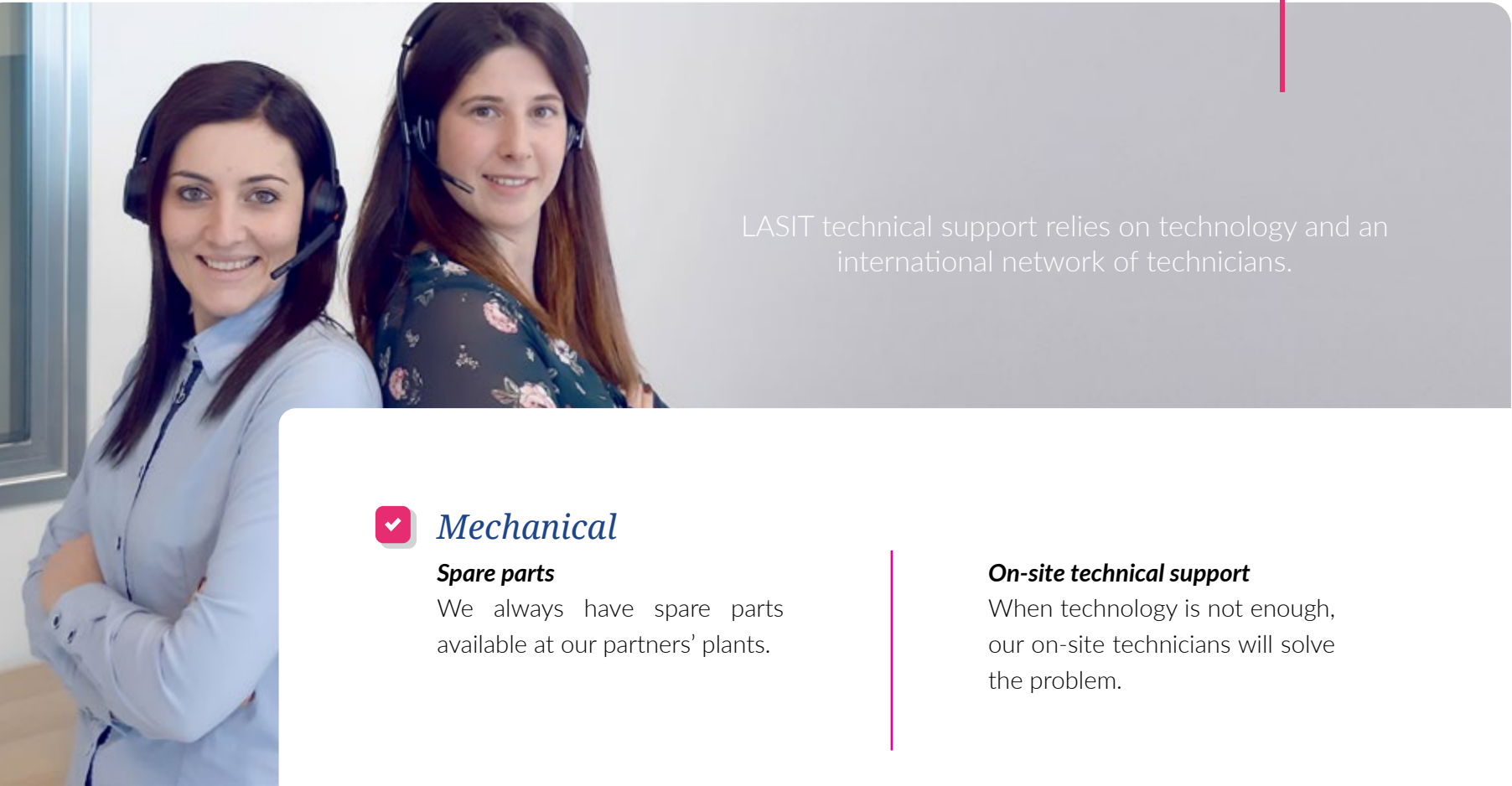
RTB

4 sides at a time

- Automatic marking on 4 sides in one go
- Rotary tilting table for rotating the component
- Vision system to recognize the workpiece
- Software for marking the layout based on the position



Technical Support



LASIT technical support relies on technology and an international network of technicians.

✓ *Mechanical*

Spare parts

We always have spare parts available at our partners' plants.

On-site technical support

When technology is not enough, our on-site technicians will solve the problem.

✓ *Software*

Remote technical support

We can check the FlyCAD software remotely from your PC to analyze the problem and solve it.





Vision

For LASIT, people are the most important value.

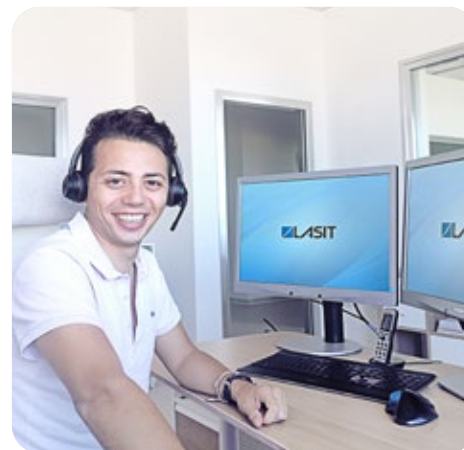
We invest in the professional development and personal growth of our employees. This way, we are sure to have high-profile professionals who help the company grow. We always reward spirit of initiative and motivation. Our priority is to promote a pleasant and collaborative environment through the use of our gym, library, refreshment room.



Mission

We started manufacturing laser marking heads. Today, we design complete laser marking systems. In the future, our company will focus more on automation, providing integrated traceability solutions to meet the requirements of an ever-growing market oriented towards process automation and customer requirements.





Our headquarters

Campania

Via Solferino 4, 80058
Torre Annunziata (NA) Italy

Emilia Romagna

Via del Lavoro 85, 40033
Casalecchio di Reno (BO) Italy

Lombardia

Via Martiri Della Libertà, 29/A
20875 Burago Di Molgora (MI) Italy



Poland

Ul. Fabryczna 43
43-100 Tychy

Spain

Calle Bari 55, Plataforma Logística
50197 Zaragoza



CONTACT US
800 821 577



LASIT Sistemi e Tecnologie Elettrotliche S.p.A.

VAT no. 02747991210 | C.D. 7HE8RN5 | lasit@pec.lasit.it

www.lasitlaser.com | sales@lasitlaser.com

