

1995
2015

GRAVOTECH
LASER EXPERTISE



LASER [lezər] noun

Acronym from Light Amplification by Stimulated Emission of Radiation.

By extension: device emitting a very intense light, based on the laser effect.

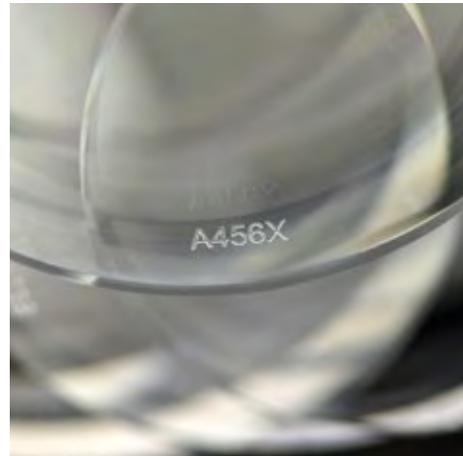


GRAVOTECH



Manipulating light for your application needs

Gravotech has spent 20 years mastering laser technology and honing its expertise, in order to bring you solutions that perfectly match your specific professional requirements. Mastery of the various laser sources has enabled us to place these technologies at your disposal for a multitude of applications. Today, Gravotech lasers are widely used in the commercial, institutional and industrial fields, for personalization, engraving, cutting and identification purposes.



Identifying

with Gravotech lasers

In support of industrial productivity, Gravotech offers a comprehensive range of laser technologies to satisfy all marking requirements, regardless of materials or production rates. Its versatility makes laser technology ideally suited to high-output automated environments. Permanent, high-resolution identification marks make it possible to track parts throughout their life cycle.

Traceability solutions

Dedicated LASERTRACE software (text, variables, 1D and 2D codes etc.)- Communication with your industrial networks, databases, PLCs etc. - Linking with 1D and 2D code reading systems

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1 - Marking a printed circuit connector with a Green TG400 Laser Solution controlled by the Lasertrace software

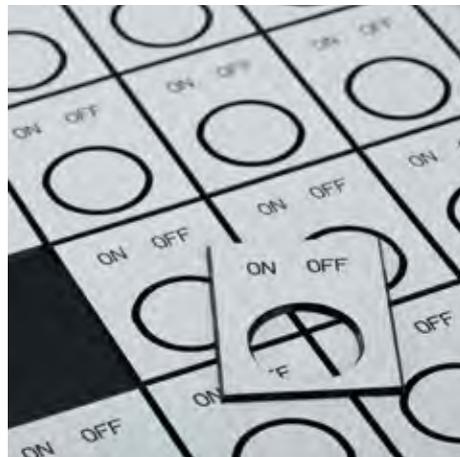
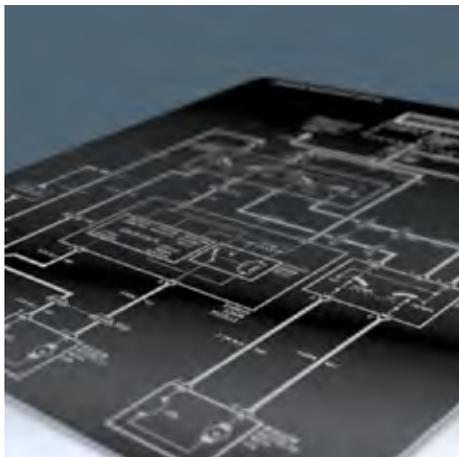
2 - F-series Laser Solutions, a full range of integratable Fiber Laser marking systems

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3 - Identification of automotive parts on a production line with a PLC-controlled Fiber F20 Laser Solution

4 - Glass lens traceability by means of a CO₂ TC500 Laser Solution controlled by the embedded software TL05



Engraving

with Gravotech lasers

Gravotech lasers offer you the means of increasing your engraving potential, from single pieces to high-volume production. Their functionalities enable you to design specific jobs easily and effectively, and to ramp up to greater speed for large-scale production. Batch import, matrices and the automatic plate loader speed up production and eliminate the risk of operator error.

Productive engraving solutions

Laser-compatible automatic plate feeder -
The most extensive range of laser engraving materials available on the market -
Ready-to-engage plates, medallions and labels for series production -
The matrix and import functions of the Gravostyle software.

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2

1 - LS900 Laser Solution, its unique working area enables the loading of standard sizes of sheets of Gravotech materials.

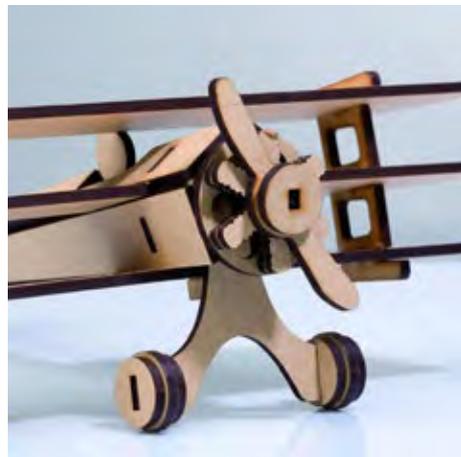
2 - Large format functional signage, engraved with an LS900 Laser Solution

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3 - Technical synoptic, engraved with an LS1000XP Laser Solution, Durablack™ material

4 - Matrix of labels for the electrical industry, engraved and cut with an LS100Ex Laser Solution



Cutting

with Gravotech lasers

When every millimeter counts, Gravotech laser technology offers you extreme cutting precision. Gravotech couples a wide choice of sources with a range of machines of varying sizes, thereby creating a cutting solution tailored to your every need. From the design of the most complex marquetrywork to large format road signs, a clean cut is guaranteed.

Cutting solutions

Cutting table for enhanced precision and productivity - Reduced consumption of material thanks to the automatic nesting system - Range of dust and fume extractors for clean equipment and a healthy environment

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1 - Sign cut with an LS900 Laser Solution, Gravoglas™ 1 material for outdoor use

2 - LS1000XP Laser Solution, a large format cutting and engraving solution that meets exacting needs in terms of productivity, power and capability

3 - Display stand printed and then cut with an LS1000XP Laser Solution, via the integrated Print&Cut function in Laserstyle

4 - MDF wood model, cut with an LS100 Laser Solution



Personalising

with Gravotech lasers

Offer your customers personalized gifts by engraving them with a chosen inscription. This high-value-added service allows the customer to add a personal touch to the item, making his or her gift unique. Gravotech lasers are equipped with intelligent text, photograph and logo tools to assist you in mastering the art of personalisation with confidence. The remarkable rendering of these dedicated objects will astonish you!

Personalisation solutions

Patented by Gravotech, the Dedicace™ technology offers a means of reproducing freehand drawn images. The Laserstyle software offers cutting-edge functions for engraving photographs in high resolution. Point & Shoot, an innovative function for positioning your engraving jobs perfectly.

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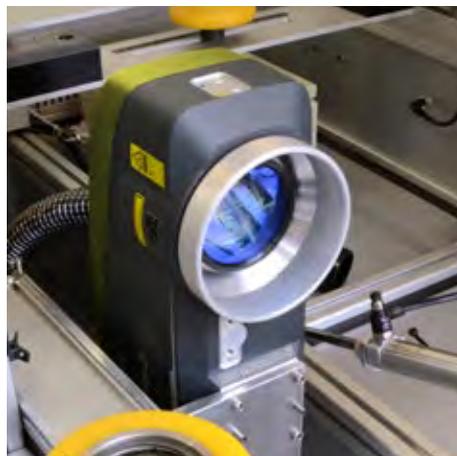
3 4

1 - LS100 Laser Solution, compact and versatile, this solution engraves many types of objects in a variety of shapes and materials, ideal for unit or small-series production.

2 - Cigar personalised with a script font using an LS100 Laser Solution controlled by the graphic design software, Laserstyle

3 - Luggage tag in natural leather, personalised with an LS100 Laser Solution controlled by the graphic design software, Laserstyle

4 - Crystal stemmed glass personalised with an LS900 Laser Solution equipped with a cylinder attachment, both controlled by the graphic design software, Laserstyle



The Gravotech laser solutions

Gravotech provides solutions that come complete with equipment, accessories, dedicated software, consumables and associated services. This concept of a total solution is unique and allows the Group to optimise synergies between its various R&D teams. The Gravotech laser solutions are innovative and simple to use. Ergonomic structures, intuitive software interfaces, cutting-edge connectivity... we do everything to minimize your learning curve and simplify the integration of our equipment. Our extensive range of lasers have outstanding performance in terms of speed, marking quality, and high productivity.

Tailored design:

Always responsive to your individual problems, our teams of engineers develop tailored solutions on a daily basis, both mechanical and IT-related, according to your specific production requirements.

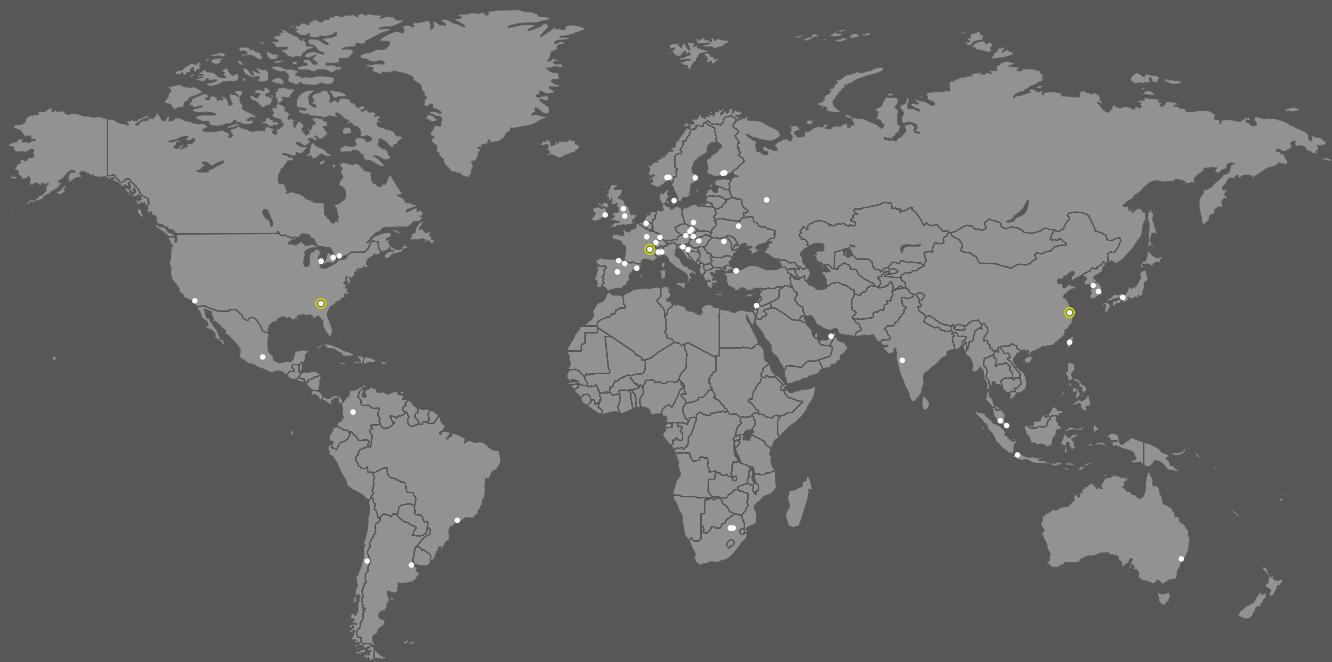
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- 1 - Gravotech lasers are ergonomically designed to take the day-to-day constraints of users into consideration.
- 2 - Instructive and powerful, the Gravotech control software suites help beginners and experienced users alike to make the most of their engraving and marking equipment.
- 3 - A comprehensive range of materials designed for laser use, the fruit of Gravotech's experience, research and development. Infinite possibilities for materials manufactured to your specifications.
- 4 - Simplified integration: our qualified engineers provide support for your project and share their expertise in the installation and the interfacing of the various components of your production line.

About the Gravotech Group

The Gravotech Group is the worldwide leader in the design, manufacture and distribution of innovative solutions for engraving, marking and artistic modelling. Its offer is built around four brands: Type3, Proopen, Technifor and Gravograph. These brands cover four key technologies (laser, mechanical engraving, scribing and dot-peen) supplemented by a wide range of consumables and software solutions.

Based in the Lyon region of France, Gravotech employs more than 900 people in over 100 countries. The Group relies on a vast global network: almost 300 distributors and 30 subsidiaries work hand in hand with 60,000 customers worldwide, providing them with support for their local or global problems.



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laser technologies:

YAG, Fiber, CO2, Green

4

design and control
software packages

50

laser
configurations

+650

referenced laser-compatible materials

+1000

laser solutions
sold every year



GRAVOTECH

Type 3 

PROPEN 

TECHNIFOR 

GRAVOGRAPH 

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