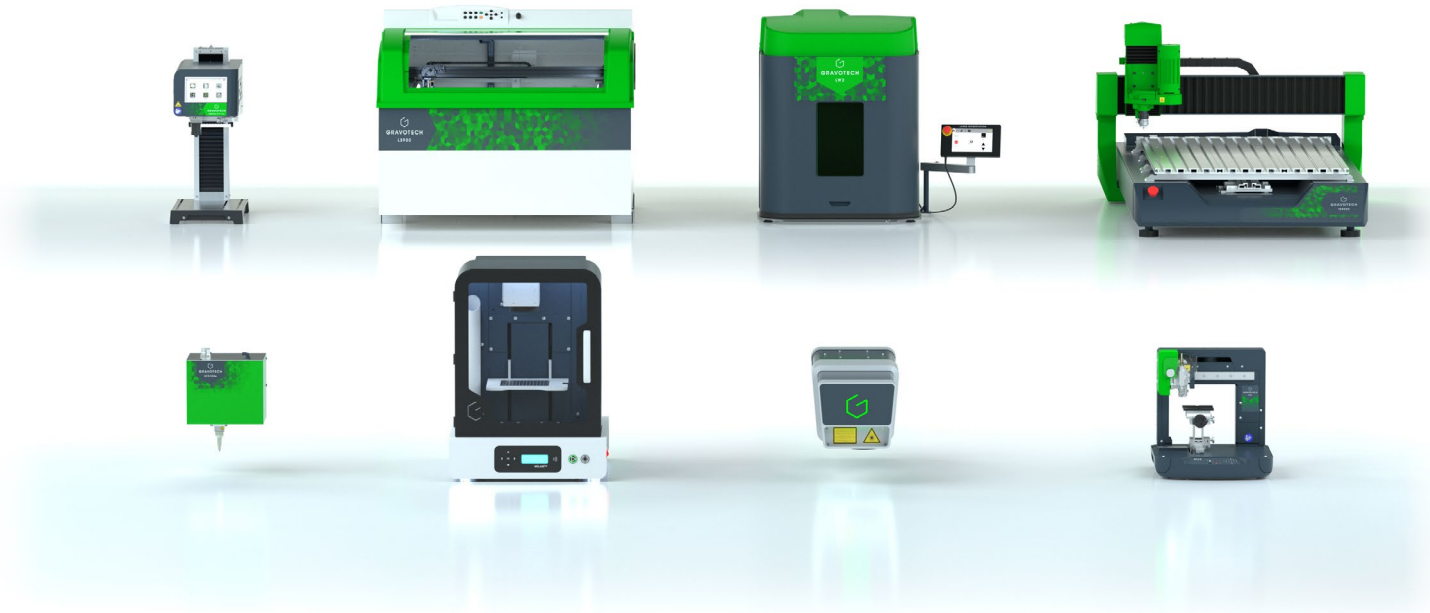




ENGRAVING & MARKING OVERVIEW



CONSUMABLES

Our material range has been specially developed for engraving and cutting. "Surface" or "reverse" engraving, laser marking or cutter engraving, also compatible with digital printing, all our ranges of plastic, metal or stratified materials are available in a spectrum of colours, thicknesses, and finishes.



Laser materials



Rotary materials



Engravables



Signage



Cutters & Inserts



Engraving supplies

SOFTWARE

Our engraving and cutting expertise lead us to build our own software. Create your engraving and cutting paths, pilot your machines, design your 3D jewellery, Anything is possible!



ABC

ABC software is the easiest engraving software for Gravotech laser and rotary machines. Engrave in only 3 simple steps, from a computer or a tablet!



GRAVOSTYLE™

One-of-a-kind piloting software for Gravotech laser and rotary engraving machines.



LASERTRACE

Lasertrace is the Gravotech industrial software for traceability and identification. Various functions are available in a simple and friendly interface, for all industrial production needs.



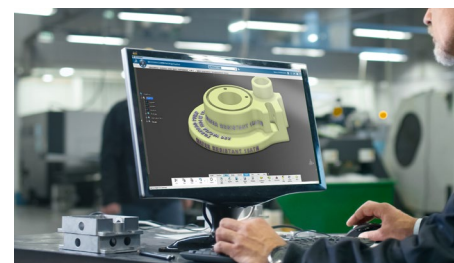
3DESIGN

Cutting edge 3D software for jewellery design that will keep your business ahead.



TYPE EDIT

For over 30 years, TYPE EDIT is the complete CAD/CAM software solution. Taking your ideas and drawings, through design and machining to production.



TYPE3-CAA

TYPE3-CAA is the only add-on available in CATIA® environment for text creation and mapping.

SERVICE & SUPPORT

With our direct presence in over 50 countries, we always have a marking and engraving expert close to you to bring their expertise and know-how in qualifying your application, installing your equipment and training your collaborators.



Training



Technical Support



Maintenance

THE EXPRESSION OF THINGS

Humans have a unique quality: to be able to express themselves. With the cutting-edge technologies that we master for permanent marking and engraving, we are giving this power to objects.

Laser, mechanical engraving, scribing and dot peen: we are the only ones to pioneer and master all these types of marking.

We are a manufacturer of machines, CAD software and Consumables with support all over the world.

The result of the integration of pioneering technologies, we are constantly exploring new solutions to innovate and shape the future of the Expression of Things.

We know the entire chain, from creation to production and service to provide you with the offer, best suited to your needs.

Gravotech was born in 2008 from the merger of Gravograph, Technifor and Type3 and unified under one brand in 2021.

Gravotech in video



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INTEGRABLES MACHINES

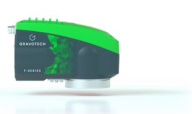



CNC TABLES

| | | | |
|---------------------------|---|---|--|
| |  |  |  |
| | IS200 | IS400 / IS400 VOLUME | ISx000 |
| | Small signage and identification engraving machine | One of a kind metal engraving machine | The large format CNC engraving machine |
| Application scope | <div><div></div><div></div></div> | <div><div></div><div></div><div></div><div></div></div> | <div><div></div><div></div><div></div></div> |
| Technology | Rotary, scribing | Rotary, scribing | Rotary, scribing |
| Marking area max. (L x H) | 225 x 80 mm (9 x 3 in) | 305 x 210 mm (12 x 8 in) | IS6000: 610 x 410 mm (24 x 16 in) IS7000: 610 x 815 mm (24 x 32 in) IS8000: 610 x 1220 mm (24 x 48 in) |
| Spindle power | 20 W | 90 W (optional spindle: 150 W) | 90 - 200 W (optional spindle: 150, 750, 1k W) |
| Max. object height | 30 mm (1.2 in) | IS400: 105 mm (4 in) IS400 Volume: 400 mm (15.75 in) | 80 mm (3 in) |

LASER TABLES

| | | | | |
|---------------------------|---|---|--|---|
| |  |  |  |  |
| | LS100 | LS100EX | LS900 | LS1000XP LIMITED EDITION |
| | CO2 laser engraver for signage, creative cutting and personalisation | The signage and small series laser engraving machine | The large laser engraver that can do everything | Large laser engraving and cutting machine for high productivity |
| Application scope | <div><div></div><div></div><div></div></div> | <div><div></div><div></div><div></div></div> | <div><div></div><div></div><div></div></div> | <div><div></div><div></div><div></div><div></div></div> |
| Laser source | CO2 | CO2, Fiber | CO2, Fiber, Edge | CO2 |
| Power | 25 - 30 - 40 - 60 W | CO2: 25 - 30 - 40 - 60 W CO2 Energy: 25 W Fiber: 20 - 30 W | CO2: 40 - 60 - 80 W Fiber: 20 - 30 - 50 W Edge: (CO2: 40 W/ Fiber: 20 - 30 - 50 W) | 60 - 80 - 100 - 150 W |
| Marking area max. (L x H) | 460 x 305 mm (18 x 12 in) | 610 x 305 mm (24 x 12 in) | 610 x 610 mm (24 x 24 in) | 1220 x 610 mm (48 x 24 in) |
| Lenses (in) | 1.5 - 2.0 - 2.5 - 3.0 - 3.5 - 4.0 | 1.5 - 2.0 - 2.5 - 3.0 - 3.5 - 4.0 | 1.5 - 2.0 - 2.5 - 3.0 - 3.5 - 4.0 | 2.0 - 3.0 - 4.0 |
| Max. object height | 145 mm (5.7 in) | 145 mm (5.7 in) | 250 mm (9.8 in) | 300 mm (11.8 in) |

INTEGRABLE LASER MARKERS

| | | | | |
|-----------------------|--|---|---|---|
| |  |  |  |  |
| | FIBER | HYBRID | GREEN | CO2 |
| | Integrated laser marking system for metal and plastic parts | The best compromise between versatility, high quality and high speed to meet all your marking needs | Integrated laser marking system to mark highly reflective materials and sensitive plastic materials | High-speed laser engraver: the best to mark organic materials and coated surfaces |
| Application scope | <div><div></div><div></div></div> | <div><div></div><div></div></div> | <div><div></div><div></div></div> | <div><div></div><div></div></div> |
| Wavelength | 1 064 nm | 1 064 nm | 532 nm | 10 600 nm |
| Power | Fiber: 20 - 30 - 50 W Fiber Energy: 20 - 30 W | 10 - 20 W | 5 - 10 W | 30 W |
| Process automation | Industrial Ethernet Networks: PROFINET / ETHERNET IP | | | |
| Embedded intelligence | Autonomous / Programmable by PLC / No PC required / Traceability Management | | | |
| Laser classification | Class 4 Laser system, possibility to switch in Class 1 for integration on a station or equipped with Mini Inline module. | | | |

ENGRAVING STATION

| | | | | |
|---------------------------|---|---|---|---|
| |  |  |  |  |
| | IM3 | M10 JEWEL | M20 | M40/M40GIFT |
| | The iconic pantograph by Gravotech | Compact ring and bracelet engraving machine | Custom engraving for all kind of purposes, from jewellery and perfume to small industrial signage | Multi-purpose rotary engraving machine for signage and gifts |
| Application scope | <div><div></div><div></div></div> | <div><div></div></div> | <div><div></div><div></div><div></div><div></div></div> | <div><div></div><div></div><div></div></div> |
| Technology | Rotary, scribing | Scribing | Rotary, scribing | Rotary, scribing |
| Marking area max. (L x H) | 250 x 140 mm (9.9 x 5.5 in) | - | 100 x 100 mm (4 x 4 in) | 305 x 210 mm (12 x 8 in) |
| Spindle power | 50 W | - | 30 W | 30 W |
| Max. object height | 50 mm (2 in) | ø 12.5 - 80 mm (0.5 x 3.15 in) | 100 mm (4 in) | 110 mm (4.3 in) |
| Dimensions (L x W x H) | 580 x 510 x 280 mm (22.8 x 20 x 11 in) | 230 x 293 x 290 mm (9 x 11.5 x 11.4 in) | 375 x 350 x 360 mm (14.8 x 14 x 14.2 in) | 550 x 510 x 320 mm (27.7 x 20 x 12.6 in) |

LASER STATIONS

| | | | |
|---------------------------|---|---|---|
| |  |  |  |
| | WELASE™ | LW2 | LW3 |
| | Small laser engraving station | Fully automated laser marking station | Fully automated high volume industrial laser station |
| Application scope | <div><div></div><div></div></div> | <div><div></div><div></div><div></div></div> | <div><div></div><div></div><div></div></div> |
| Laser source | Fiber, Hybrid, Green, CO2 | Fiber, Hybrid, Green | Fiber, Hybrid, Green |
| Use rate | Adapted for small to medium batches | Fully automatic Adapted for high use rate | Fully automatic Adapted for high production rates and large parts |
| Marking area max. (L x H) | 110 x 110 mm (4.3 x 4.3 in) | Up to 205 x 205 mm (8 x 8 in) | Up to 875 x 300 mm (34 x 12 in) |
| Max object Height | Fiber, Hybrid, Green: 100 mm (4 in) CO2: 180 mm (7 in) | Up to 322 mm (12.7 in) | Up to 628 mm (24.72 in) |
| Max object Weigth | 3 kg (6.6 lbs) | 25 kg (55 lbs) | 50 kg (110.23 lbs) |

INTEGRABLE DOT PEEN & SCRIBING

| | | | | |
|---------------------------|---|---|---|---|
| |  |  |  |  |
| | XF510 p | XF510 m | XF510 r | XF530 |
| | The fastest pneumatic dot peen marking machine on the market | The precise and consistent electromagnetic dot peen marking machine | The quiet metal marking machine | Deep and indelible dot peen marking |
| Application scope | <div><div></div></div> | <div><div></div></div> | <div><div></div></div> | <div><div></div></div> |
| Technology | Dot peen Pneumatic | Dot peen Electromagnetic | Scribing | Dot peen Pneumatic or Electromagnetic |
| Main advantage | Speed | 2D codes | Quiet | Deep marking |
| Marking area max. (L x H) | Cp: 50 x 20 mm (2 x 0.8 in), Sp: 100 x 80 mm (4 x 3.15 in), Dp: 200 x 80 mm (7.9 x 3.15 in) | Cm: 50 x 20 mm (2 x 0.8 in), Sm: 100 x 80 mm (4 x 3.15 in), Dm: 200 x 80 mm (7.9 x 3.15 in) | Cr: 40 x 50 mm (1.6 x 2 in), Sr: 80 x 50 mm (3.15 x 2 in), Dr: 160 x 50 mm (6.3 x 2 in) | 200 x 50 mm (7.9 x 2 in) |
| Material hardness (HRC) | < 62 | < 62 | < 62 | < 62 |


APPLICATIONS OF ENGRAVING, MARKING AND CUTTING

Look around you and you'll notice that most objects around you are marked, engraved or customized. Find them and you'll find Gravotech!


● Identification




● Personalisation




● Signage




● Creative



● Manufacturing



DOT PEEN STATION

| | |
|---------------------------|---|
| |  |
| | IMPACT |
| | Benchtop dot peen marking station |
| Application scope | <div><div></div></div> |
| Technology | Dot peen pneumatic or electromagnetic |
| Software | Integrated traceability software with colour touchscreen |
| Marking area max. (L x H) | 100 x 120 mm (4 x 4.7 in) |
| Z axis stroke | 300 mm (11.8 in) |
| Z axis type | Manual or motorized & programmable |

Want to know more ?



CONTROL UNIT



XCOM

XCOM is the solution to pilot dot-peen and scribing machines and to control their integration on production lines. Connected to the main 4.0 industrial environments, XCOM is the most communicative and autonomous control unit on the market.

LASER PROTECTION NOSE



MINI-INLINE

Simplify your laser marking machine integration with our Mini-inline: this laser safety concept protects the laser beam and facilitates particle extraction while freeing you from the costs and constraints of a class 1 laser enclosure.