ENGRAVING & MARKING OVERVIEW

GRAVOTECH
EXPRESSION OF THINGS
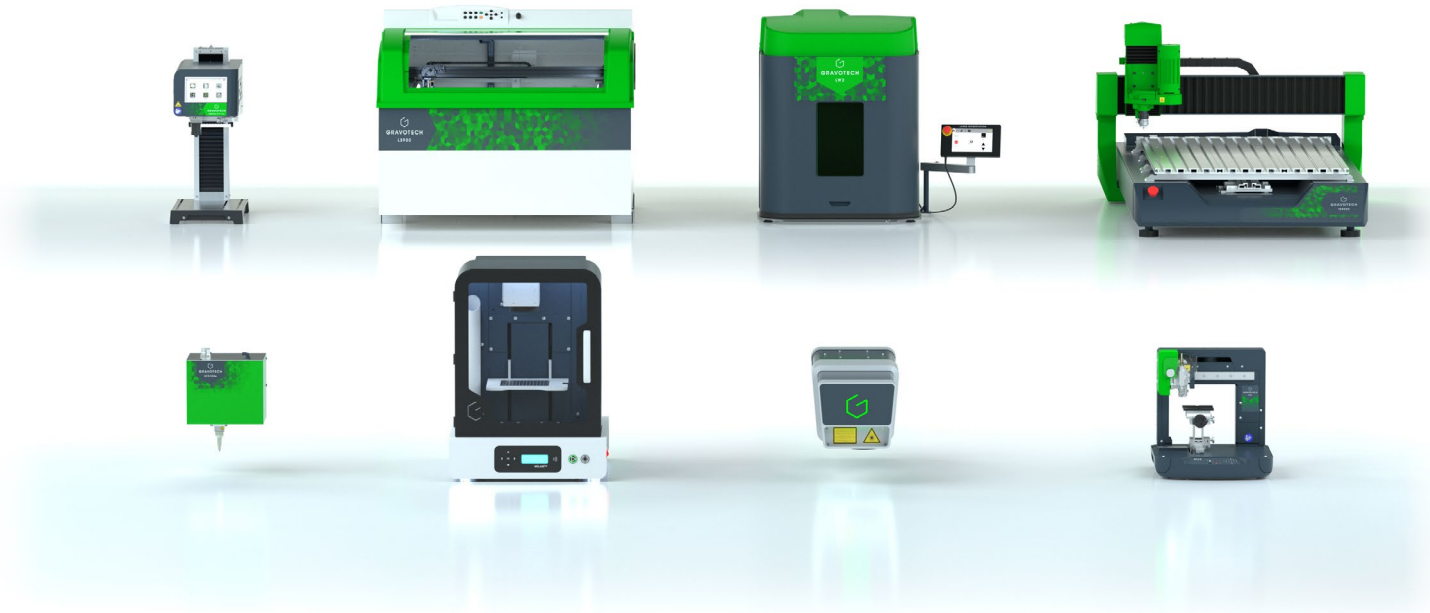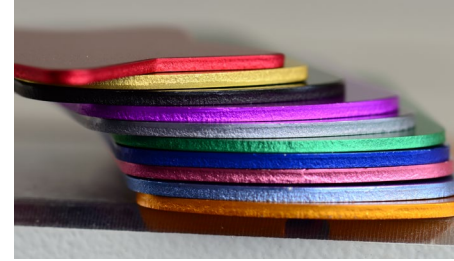
CONSUMABLES

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.
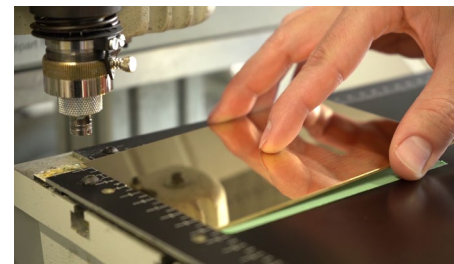

Laser materials

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 jewelry, 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.
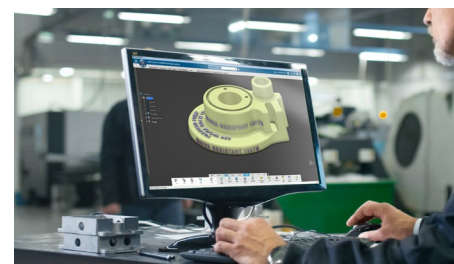

3DESIGN

Cutting edge 3D software for jewelry 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

GRAVOTECH
EXPRESSION OF THINGS

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GRAVOTECH DMCC
SABA 1 Tower, Office 1307
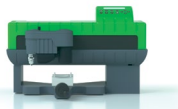Jumeirah Lake Towers,
Dubai, United Arab Emirates

Follow us

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

	IS200	IS400 / IS400 VOLUME	ISx000
Application scope	●●	●●●●	●●●
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
	CO2 laser engraver for signage, creative cutting, and personalization	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

LIMITED EDITION

	LS100	LS100EX	LS900	LS1000XP
Application scope	●●●	●●●	●●●	●●●●
Laser source	CO2	CO2, Fiber	CO2, Fiber, Edge	CO2
Power (W)	25 - 30 - 40 - 60	CO2: 25 - 30 - 40 - 60 CO2 Energy: 25 Fiber: 20 - 30	CO2: 40 - 60 - 80 Fiber: 20 - 30 - 50 Edge: (CO2: 40 / Fiber: 20 - 30 - 50)	60 - 80 - 100 - 150
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

	FIBER	HYBRID	GREEN	CO2
Application scope	●●	●●	●●	●●
Wavelength	1 064 nm	1 064 nm	532 nm	10 600 nm
Power (W)	Fiber: 20 - 30 - 50 Fiber Energy: 20 - 30	10 - 20	5 - 10	30
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

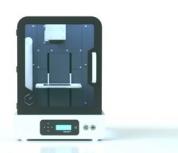|	IM3	M10 JEWEL	M20	M40/M40GIFT
	The iconic pantograph by Gravotech	Compact ring and bracelet engraving machine	Custom engraving for all kind of purposes, from jewelry and perfume to small industrial signage	Multi-purpose rotary engraving machine for signage and gifts

	IM3	M10 JEWEL	M20	M40/M40GIFT
Application scope	●●	●	●●●●	●●●
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

	WELASE™	LW2	LW3
Application scope	●●	●●●	●●●
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

	XF510 p	XF510 m	XF510 r	XF530
Application scope	●	●	●	●
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

	IMPACT
Application scope	●
Technology	Dot peen pneumatic or electromagnetic
Software	Integrated traceability software with color 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 ?

[QR code]

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.