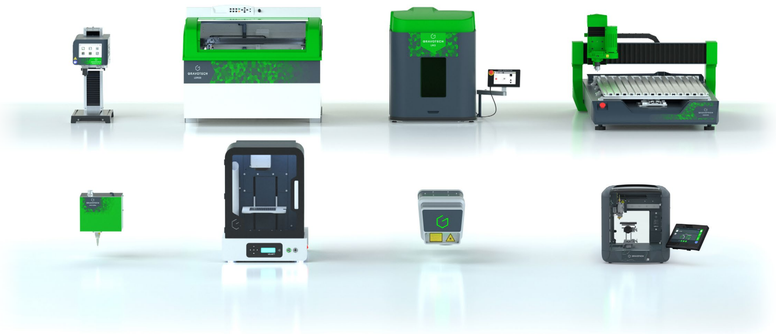
ENGRAVING & MARKING OVERVIEW



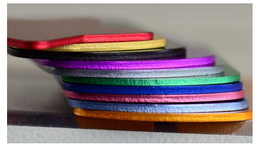
GRAVOTECH
by BRADY

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 colors, 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

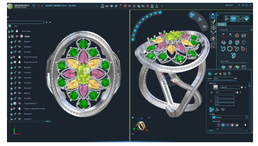
ABC software is the easiest engraving software for Gravotech laser and rotary machines. Engrave in only 3 simple steps, from a computer or a tablet!

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.

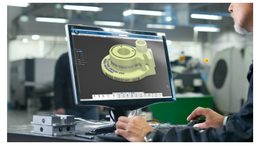


3DESIGN

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

ABOUT GRAVOTECH

Our history

In 1938, Gravograph revolutionized engraving in the United States with the compact Pantograph Machine. In 1981, Technifor pioneered dot peen technology for permanent marking. Today, Gravotech integrates the legacies of Gravograph, Technifor, and Type3. In 2024, Gravotech became part of Brady Corporation, a global leader in identification and safety solutions.

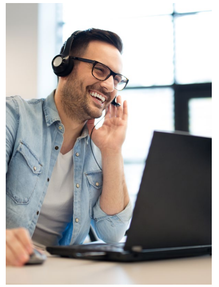
Our mission

- We bring emotion to objects through personalized engraving.
- We create informative and aesthetically pleasing signage that meets environmental and regulatory standards.
- We empower industrial digital transformation through precise part identification and traceability.

Our expertise

As one of the few global leaders mastering laser, mechanical engraving, scribing, and dot peen technologies, Gravotech is at the forefront of a new vision for our field: “The Expression of Things.”

Gravotech in video



GRAVOTECH
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BENCHTOP MACHINES

CNC TABLES

IS400 / IS400 VOLUME

One of a kind metal engraving machine

ISx000

The large format CNC engraving machine

	IS400 / IS400 VOLUME	ISx000
Application scope	●●●●	●●●●
Technology	Rotary, diamond dragging	Rotary, diamond dragging
Max. marking area (L x H)	305 x 210 mm (12 x 8")	**IS6000:** 610 x 410 mm (24 x 16") **IS7000:** 610 x 815 mm (24 x 32") **IS8000:** 610 x 1220 mm (24 x 4")
Spindle power	90 W (optional spindle: 150 W)	90 - 200 W (optional spindle: 150, 750, 1k W)
Max. object height	**IS400:** 105 mm (4") **IS400 Volume:** 400 mm (15.75")	80 mm (3")

ENGRAVING STATION

IM3

The iconic pantograph by Gravotech

M10 JEWEL

Compact ring and bracelet engraving machine

M20 X

Custom engraving for all kind of purposes, from jewelry and perfume to small industrial signage

M40/M40GIFT

Multi-purpose rotary engraving machine for signage and gifts

	IM3	M10 JEWEL	M20 X	M40/M40GIFT
Application scope	●●	●	●●●●●	●●●
Technology	Rotary, scribing	Scribing	Rotary, scribing	Rotary, scribing
Max. marking area (L x H)	250 x 140 mm (9.9 x 5.5")	-	100 x 100 mm (4 x 4")	305 x 210 mm (12 x 8")
Spindle power	50 W	-	25 W	30 W
Max. object height	50 mm (2")	ø 12.5 - 80 mm (0.5 x 3.15")	100 mm (4")	110 mm (4.")
Dimensions (L x W x H)	580 x 510 x 280 mm (22.8 x 20 x 1")	230 x 293 x 290 mm (9 x 11.5 x 11.4")	368 x 350 x 363 mm (without screen) (14.5 x 13.8 x 14.3")	550 x 510 x 320 mm (27.7 x 20 x 12.6")

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 ● Personalization ● Signage ● Creative ● Manufacturing




LASER TABLES

LS100

CO2 laser engraver for signage, creative cutting, and personalization

LS100EX

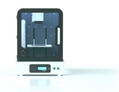
The signage and small series laser engraving machine

LS900

The large laser engraver that can do everything

	LS100	LS100EX	LS900
Application scope	●●●	●●●	●●●
Laser source	CO2	CO2, Fiber	CO2, Fiber, Edge
Power	30 - 40 - 60 W	**CO2:** 30 - 40 - 60 W **Fiber:** 20 - 30 W	**CO2:** 40 - 60 - 80 W **Fiber:** 20 - 30 - 50 W **Edge: (CO2:** 40 W / **Fiber:** 20 - 30 - 50 W)
Max. marking area (L x H)	460 x 305 mm (18 x 12")	610 x 305 mm (24 x 12")	610 x 610 mm (24 x 24")
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
Max. object height	145 mm (5.7")	145 mm (5.7")	250 mm (9.8")

LASER STATIONS



WELASE™

Small laser engraving station

LW2

Fully automated laser marking station

LW3

Fully automated high volume industrial laser station

	WELASE™	LW2	LW3
Application scope	●●	●●●	●●●
Laser source	Fiber, Hybrid, Green, CO2, MOPA	Fiber, Hybrid, Green, MOPA	Fiber, Hybrid, Green, MOPA
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
Max. marking area (L x l)	110 x 110 mm (4.3 x 4.3")	Up to 205 x 205 mm (8 x 8")	Up to 875 x 300 mm (34 x 12")
Max. object height	**Fiber, Hybrid, Green:** 100 mm (4") **CO2:** 180 mm (7")	Up to 322 mm (12.7")	Up to 628 mm (24.72")
Max. object weight	3 kg (6.6 lbs)	25 kg (55 lbs)	50 kg (110.23 lbs)

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")
Z axis stroke	300 mm (11.8")
Z axis type	Manual or motorized & programmable

Want to know more ?

INTEGRABLES MACHINES

INTEGRABLE LASER MARKERS

FIBER

Integrated laser marking system for metal and plastic parts

GREEN

Integrated laser marking system to mark highly reflective materials and sensitive plastic materials

HYBRID

The best compromise between versatility, high quality and high speed to meet all your marking needs

MOPA

Boost your industrial marking performance with unmatched versatility and contrast

CO2

High-speed laser engraver: the best to mark organic materials and coated surfaces

	FIBER	GREEN	HYBRID	MOPA	CO2
Application scope	●●	●●	●●	●●	●●
Wavelength	1 064 nm	532 nm	1 064 nm	1 064 nm	10 600 nm
Power	**Fiber:** 20 - 30 - 50 W **Fiber Energy:** 20 - 30 - 50 W	5 - 10 W	10 - 20 W	30 - 60 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.				
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.				

INTEGRABLE DOT PEEN

XF510 p

The fastest pneumatic dot peen marking machine on the market

XF510 m

The precise and consistent electromagnetic dot peen marking machine

XF530 p/m

Deep and indelible dot peen marking

	XF510 p	XF510 m	XF530 p/m
Application scope	●	●	●
Technology	Dot peen Pneumatic	Dot peen Electromagnetic	Dot peen Pneumatic or Electromagnetic
Main advantage	Speed	2D codes	Deep marking
Max. marking area (L x H)	**Cp:** 50 x 20 mm (2 x 0.8"), **Sp:** 100 x 80 mm (4 x 3.15"), **Dp:** 200 x 80 mm (7.9 x 3.15")	**Cm:** 50 x 20 mm (2 x 0.8"), **Sm:** 100 x 80 mm (4 x 3.15"), **Dm:** 200 x 80 mm (7.9 x 3.15")	200 x 50 mm (7.9 x 2")
Material hardness (HRC)	< 62	< 62	< 62

INTEGRABLE SCRIBING

XF510 r

The quiet metal marking machine

SV530

The VIN scribing marking machine

	XF510 r	SV530
Application scope	●	●
Technology	Scribing	Scribing
Main advantage	Quiet	Deep marking
Max. marking area (L x H)	**Cr:** 40 x 50 mm (1.6 x 2") **Sr:** 80 x 50 mm (3.15 x 2") **Dr:** 160 x 50 mm (6.3 x 2")	120 x 40 mm (4.72 x 1.6")
Material hardness (HRC)	< 62	< 62