

MECHANICAL ENGRAVING CUTTING AND MACHINING SOLUTIONS



IS RANGE

OUR EXPERTISE OUR MARKETS

INNOVATION

Gravograph pursues its innovation policy on a constant basis. Our ability to anticipate market trends and our customers' demands and our firm commitment to customer satisfaction... these are the drivers of our product strategy and product development.

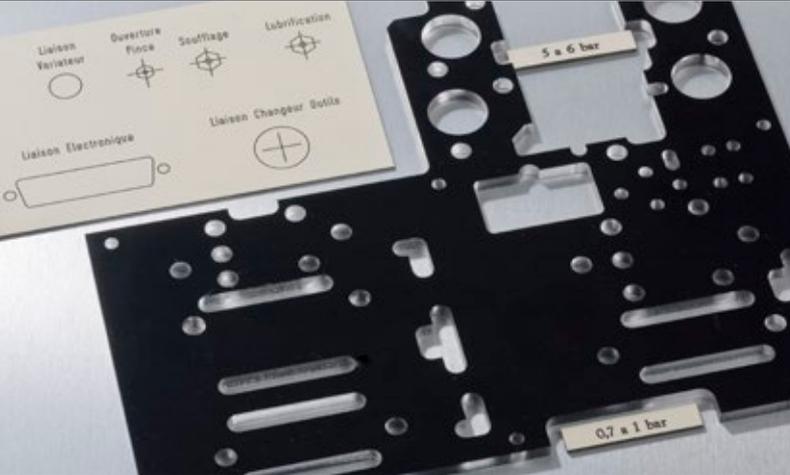
Our Centre for Innovation and Technology creates and assembles the technological «building blocks» and tests the new solutions directly with our customers.

Our customer proximity is the key to our expertise. All needs are individual, and we understand every one of them. Our solutions are designed for professional engravers as well as industrial operators.

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In our sector, the secret of lasting success is a constant flow of innovations and the perpetual development of new solutions leading to new applications.

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INDUSTRY

The industrial sector is a sector with multiple fields of activity, from the processing of raw materials to mechanical assembly, and including the design of complex components.

Machines for industry have to be fast, robust and versatile. Gravograph offers complete, high-performance engraving and machining solutions, whatever your industrial activity.



SIGNAGE

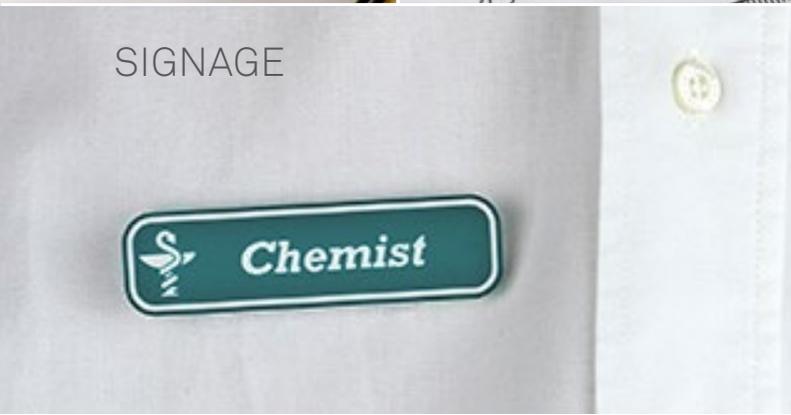
Personalisation is not the only advantage offered by our machines. They are also ideal in the field of signage: badges, door plates, letterboxes, directional and event signage...

Identify, inform and direct quickly and easily. By the unit or in short runs, for indoor or outdoor use, the diversity of applications covered by our solutions brings the ease of use you dream of.

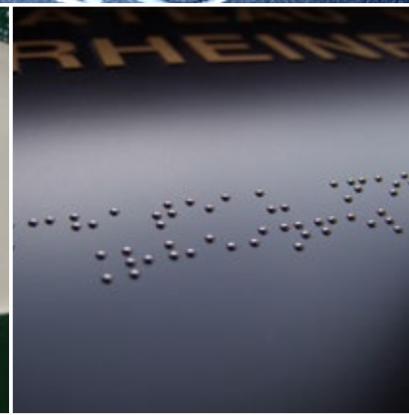
APPLICATIONS



INDUSTRIAL ENGRAVING



SIGNAGE



CUTTING/MILLING



PERSONALISATION



MORE GRAVOGRAPH APPLICATIONS



IS200

Machine for engraving and machining small objects



COMPACT & QUIET

With a footprint similar to that of a laptop computer and fitted with a remarkably quiet DC motorised spindle, the IS200 is perfectly suited to office and retail environments.



ROBUST

The IS200 is also designed for industrial use in challenging workshop environments. Its extraordinary reliability track record speaks for itself. An open-architecture design enables the engraving of unlimited width parts or even to be directly mounted onto the component to be engraved (IS200TOP version).



HIGH-PRECISION

The robust mechanical structure of the IS200 allows all types of engraving and light machining with exceptional precision and repeatability. It is able to engrave characters as small as 0.6mm with perfect definition and accuracy.

Technical specifications

IS200

Dimensions (mm)	500 x 455 x 295
Weight (kg)	20 kg
Engraving area (mm)	80 x 225
Z axis (mm)	Travel: 15 - Spindle travel at bottom: 48
Spindle	Tool diameter: 4.36 mm - Rotation speed: 17,000 rpm
Clamping system	Vice, concentric holding
Motor	Direct courant
Max workpiece dimensions (mm)	140 x unlimited
Included	<ul style="list-style-type: none">- Gravostyle™ Discovery control software- LCD control panel- Regulating nose- Set of jigs- Engraving burr kit
Options and accessories	<ul style="list-style-type: none">- Range of rotary and diamond engraving tools- Range of regulating and suction noses- Range of special jigs for workpiece clamping- Chip collectors- Pen attachment system- Gravogrip™ table (for clamping plates)



SPOTLIGHT ON... LABEL ENGRAVING

Labels fulfil an identification role for components, places or people. The engraving has to be sharp and legible for instant understanding. Excellent durability over time is also important.

In addition to the IS200 which is perfectly adapted for this application, Gravograph also offers specially designed materials for this usage, either standard or custom-designed.



FOCUS ON... THE PEN ATTACHMENT

The Gravograph pen attachment accepts any shape of pen, thanks to its set of collets. This system enables the machine to engrave both the barrel of the pen and its cap.

As well as being versatile, this system is easily installed and removed. No technical operations are necessary. A small investment for big market opportunities!

IS400 ET IS400 VOLUME

Machine for engraving plates and machining large-size workpieces



POWERFUL

Able to engrave any material from plastic to stainless steel, the IS400 machines are unique: precision power engravers in a desktop format. Key features include solid cast aluminium frame, heavy duty spring loaded spindle with collet options and ball bearing leadscrews.



EVOLUTIVE

From precision engraving to the machining of small industrial parts, the value of the IS400 lies in its adaptability. Numerous compatible tools and accessories make up the machine, which will meet your every requirement.



USER-FRIENDLY

The IS400 offers a completely unobstructed working area. Unique on the market, this offers a high degree of working comfort by improving access to the workpieces. The onboard software, Gravostyle™, helps with adaptation of the various jobs to be performed.

Technical specifications

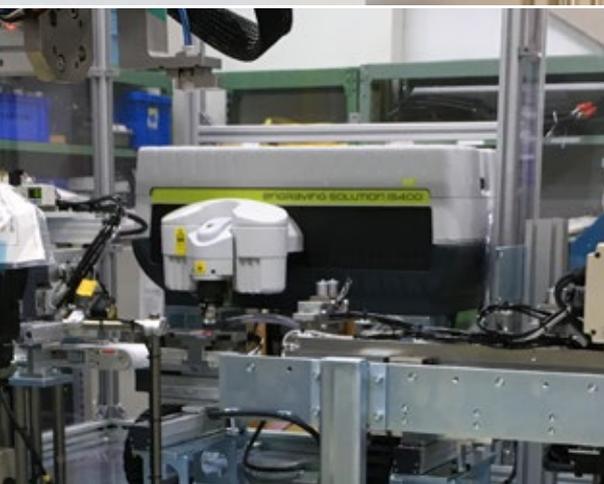
	IS400	IS400 volume
Dimensions (mm)	435 x 610 x 890	900 x 610 x 890
Weight (kg)	50	90
Engraving area (mm)	305 x 210	
Z axis (mm)	Travel: 40 - Spindle travel at bottom: 120	Travel: 40 - Spindle travel at bottom: 400
Spindle	Tool diameter: 4.36 mm - Rotation speed: 11 to 20,000 rpm	
Clamping system	Concentric clamping vice	Concentric vice on the moving electric Z axis
Motor	Direct courant	
Max workpiece dimensions (mm)	370 x unlimited	
Included	<ul style="list-style-type: none"> - Gravostyle™ Discovery - LCD control panel - USB data transfer cable - Point & Shoot function, with laser pointer - Auto Z-ref function 	
Options and accessories	<ul style="list-style-type: none"> - Ranges of engraving and machining tools: diamond, Twincut, Onecut, Percut - Tool lubrication system - Range of regulating and suction noses - Chip collectors - Pen attachment system - Cylinder attachment, diameter 120 mm (diameter 350 mm and tilting to 45° for the IS400 Volume) - Aluminium clamping table 	



SPOTLIGHT ON... METAL ENGRAVING

Widely used for carrying information, metals are available in a wide range of hardnesses. From the softest, like aluminium, to the very hardest, like steel, all can be marked by Gravograph machines.

An outstanding result is guaranteed on all your applications: surface engraving for light signage or deep marking for plaques subjected to harsh conditions (outdoors etc.).



FOCUS ON... CUSTOMISED SOLUTION

The IS400 is made up of two parts: its base, which holds the workpieces to be engraved, and the moving part, to which the marking tip is attached. This part of the machine can be separated from its base in order to be attached to a customised support. You are free to define your own engraving axis, tilt angle, automation etc.

Work at low cost on rail or aviation components, wind turbine blades... And much more besides!

IS6-7-8000

Use-anywhere engraving and cutting machines



ADAPTABLE

More than a range of machines, the ISx000 series is a concept: build your own engraving solution by choosing from three engraving areas, five spindle outputs and two motorised axes!



HIGH-PERFORMANCE

The ISx000 is designed for the harshest industrial environments. The monobloc structure guarantees the machine's solidity. Protected in a dust-proof rack, the electronics remain powerful throughout their service life.



VALUE FOR MONEY

Machines chosen by a number of industrial companies, to date their quality:price ratio remains unrivalled. Whatever your budget requirements, the ISx000 can be adapted without compromising on efficiency.

Technical specifications

PLATFORM

	IS6000	IS7000	IS8000
Dimensions (mm)	1100 x 1000 x 735	1100 x 1420 x 735	1100 x 1825 x 735
Engraving area (mm)	610 x 410	610 x 815	610 x 1220
Max workpiece dimensions (mm)	880 x unlimited		
Z axis (mm)	Travel: 80 - Spindle travel at bottom: 80 - Option: clearance under vice: 140		
Clamping system	Clamping table		
Weight (depending on model) (kg)	168 - 190	220 - 240	265 - 290
Included	<ul style="list-style-type: none"> - Gravostyle™ Discovery - Remote LCD control panel - USB data transfer cable - Twincut starter kit 		
Options and accessories	<ul style="list-style-type: none"> - Ranges of engraving and machining tools: diamond, Twincut, Onecut, Percut - Range of vices - Cylinder attachment - Tool lubrication system - Chip collectors 		

MODEL

	IQ	XP	XP MILLING
Spindle	Pass-through 4.36 mm	Pass-through with collets	High-frequency-pneumatic clamping
Spindle motor (W)	90	200	1000
Features	Clamping from above	4.36 mm as standard (other diameters as an option)	7-position automatic tool changer
Axis motor	Stepped motorisation		Direct courant motorisation

BUILD YOUR OWN EQUIPMENT

We help you to build your custom-designed solution according to your imperative needs in terms of size and machine output.

We are committed to providing you with equipment that is perfectly adapted to your constraints and your budget.

FOCUS ON THE RANGE

More about...

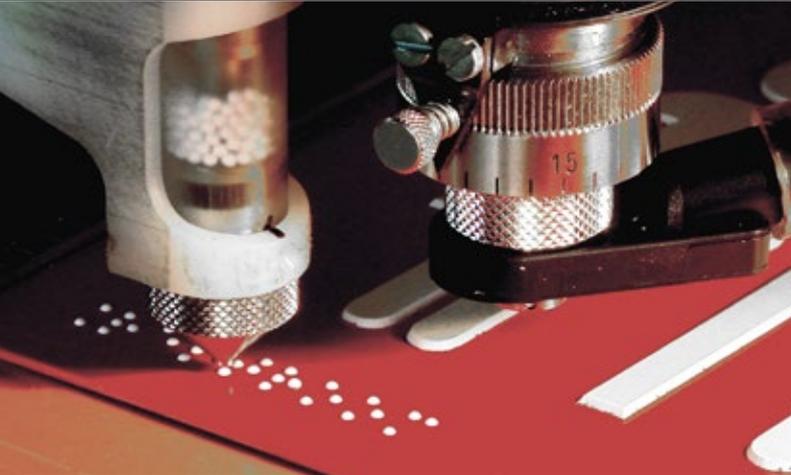
IS400 VOLUME

The volume base of the IS400 extends the scope of engraving possibilities.

In particular, it meets the stringent needs of industry by allowing the marking and machining of sizeable workpieces, cylindrical or conical. With a maximum clearance under the spindle of 400 mm, the IS400 Volume engraves bottles, decanters, trophies and heavy industrial components with ease. Operator access to the vices is facilitated thanks to their raised position.

Rendered versatile by its rotating base, the IS400 Volume is the ideal solution for engraving flat objects. Its speed of reaction allows switching from cylindrical engraving mode to flat engraving mode in less than 30 seconds, with no prior setting required.

From component identification to technical or directional signage, meet all your industrial needs with the IS400 Volume!



BRAILLE SYSTEM

Access to information is a universal right. The law encourages this access to be offered to the visually impaired in public arenas such as leisure centres, institutions, means of transport etc.

Gravograph has devoted almost two years of research and development to the creation of a universal braille kit, compatible with machines in the IS series.

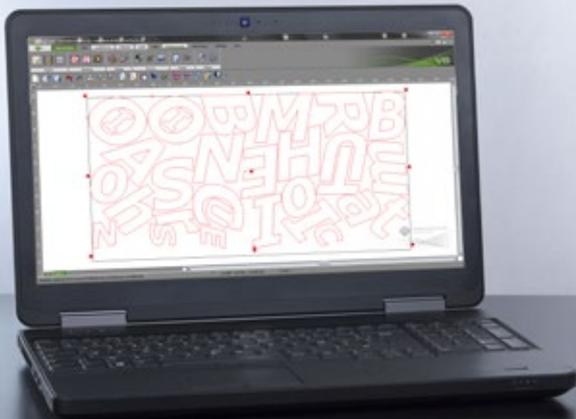
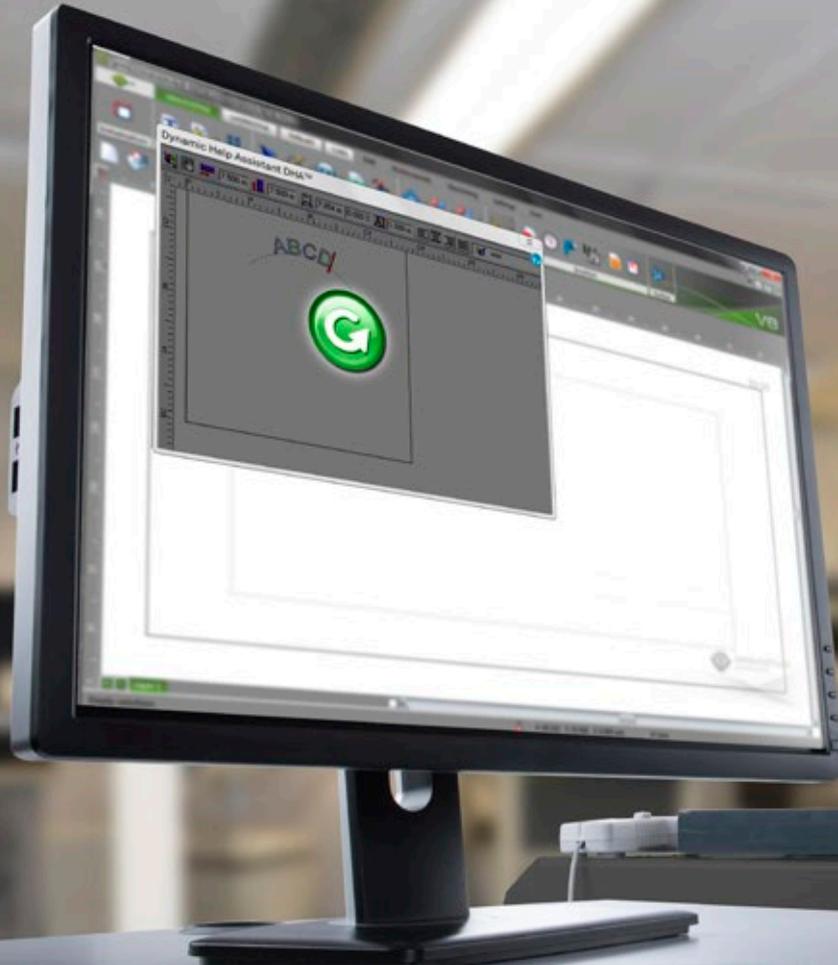
Awarded an Icona d'Or creativity award in 2010, today the Gravograph solution comprises a marking system coupled with transcription software, capable of automatically translating your texts into almost 80 different versions of braille.

With the goal of providing its customers with a complete solution, Gravograph has developed a special material which is particularly suited to braille applications: Gravotac™.

Find our range of consumables at: www.gravograph.com.

GRAVOSTYLE™

Comprehensive engraving software



SAVING TIME AND MONEY

CAM function

Optimise your engraving course of travel with this function, which will determine the fastest path. You save time, thus enhancing productivity!

Automatic nesting function

Position your engraving or cutting model on our sheet of material so as to minimise off-cuts, thanks to the Gravostyle™ nesting function!

SIMPLIFICATION OF THE PROCESS

Matrix

Engrave your short and medium production runs simply! The matrix mode automatically applies your variables.

Point mode

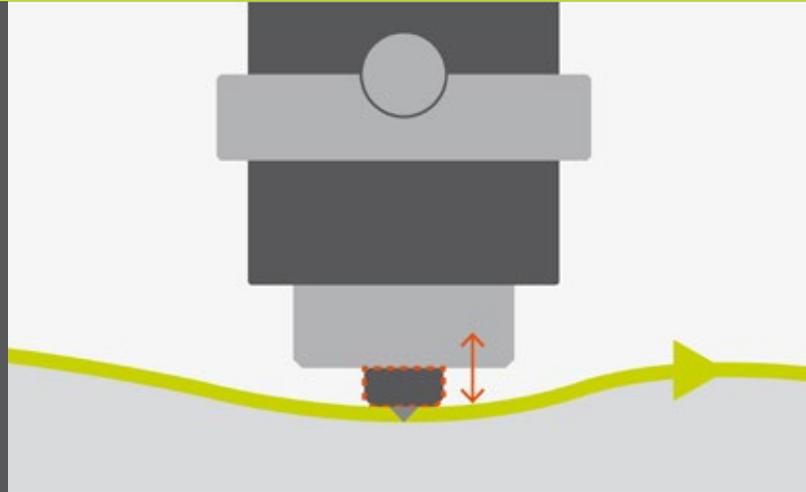
Convert your texts and logos with ease thanks to this function in Gravostyle™. Each point can be moved, each curve modified.



ADDITIONAL EQUIPMENT

REGULATING NOSE

An essential accessory for consistent engraving on irregular surfaces, the regulating nose makes it possible to maintain the same engraving intensity and depth throughout the process. The Gravograph range of regulating noses is highly varied, the better to meet your needs. It can be coupled with: a chip collector, a nose designed for curved surfaces, a Teflon nose for engraving materials that are vulnerable to scratching etc.



JIGS

Gravograph offers an extended range of vice jigs which securely hold the engraved object in place during the engraving process.

Specially developed to fit all our machines, they guarantee clean, sharp engraving. The Gravograph range includes jigs suitable for flat engraving, for jewellery items, for gifts and tableware and much more.



CYLINDER ATTACHMENT

Our IS400, IS400 Volume machines and the x000 series offer a cylinder attachment as an option. Easy to position and connect, it requires no technical interventions and is programmed via the Gravostyle™ software.

This accessory is particularly useful on the IS400 Volume, for the marking of large cylindrical and conical workpieces.



BRAILLE SYSTEM

There are two braille systems. The first is semi-automatic. It is affordable and allows the rapid production of signage in braille. The second is an automatic system designed for mass production, allowing uninterrupted runs of engraving operations - from drilling of the material to the insertion of the beads.

Choose the system most suited to your constraints!

BURRS AND INSERTS

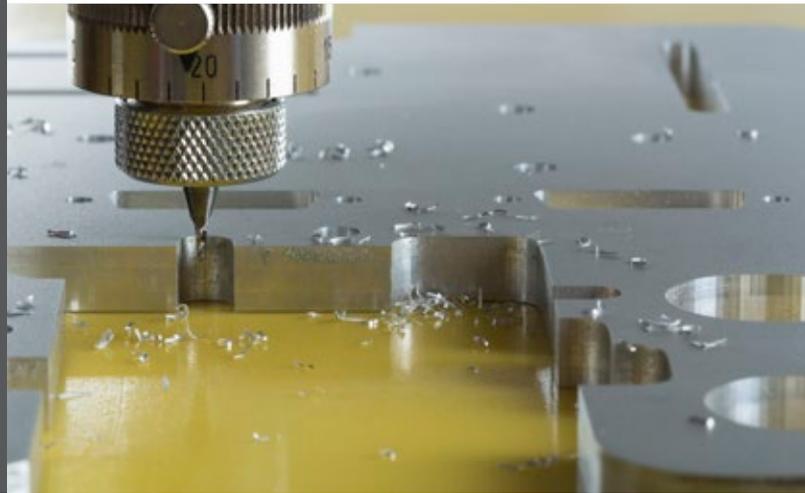
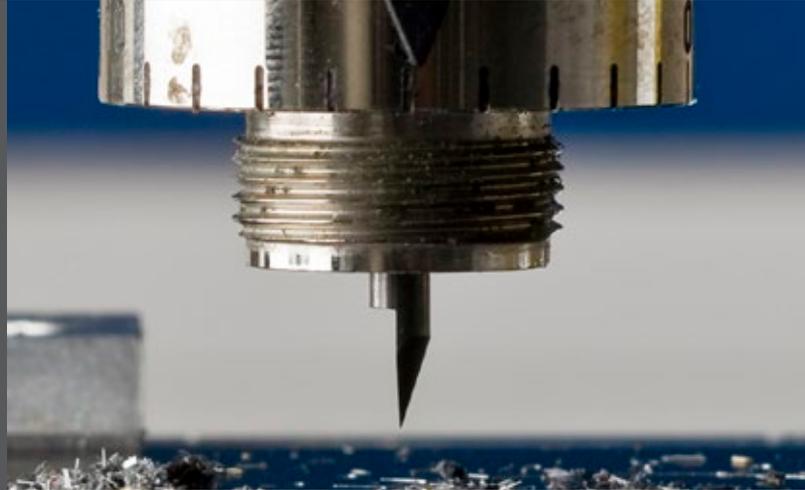
Gravograph has devised an ingenious process: a single tool holder can hold eight different insert profiles, covering the same number of applications.

The various PERCUT and TWINCUT burrs can thus engrave our various materials and can machine, cut and drill!

MILLING/CUTTING/ENGRAVING

Industrial manufacturing requires precision engraving and cutting, in unit or series production. Speed, precision and low production costs are characteristics required of machining equipment. The Gravograph machines meet these criteria and, in addition, offer adjustment options according to use: size of engraving area, output, speed etc.

The machining of industrial components becomes simple and affordable.



LUBRICATION KIT

A lubrication system extends the service life of your tools by cooling them down. Cooling by air spray is compatible with the IS400 and the x000 series and is adequate for the engraving process.

Lubrication by continuous soluble oil jet is only compatible with the x000 series and is suitable for high-intensity jobs (metal cutting).

CHIP COLLECTOR

Engraving quality is not just down to the machine used. During the marking process, the chips produced can cause imperfections by obstructing the burr.

The Gravograph chip collector helps to keep the surface constantly clear, for perfect and safe engraving.

AUXILIARY EQUIPMENT

GRINDING MACHINE

The CG30 grinding machine allows you to sharpen all the conical and flat-end cylindrical burrs in our range.

The main cutting angles can be selected by means of the graduated gauge; manipulations are therefore limited and the risks of error eliminated. Carry out grinding operations in complete safety thanks to automatic blade positioning!

The machine operates with three types of grinding wheels, adapted to your various tools and for a variety of finishes.



SHEARS

Designed to ensure the increasingly precise cutting of your materials, Gravograph shears offer perfect handleability with no compromise on the quality of your finishes. The cover and guard are non-removable and guarantee user protection.

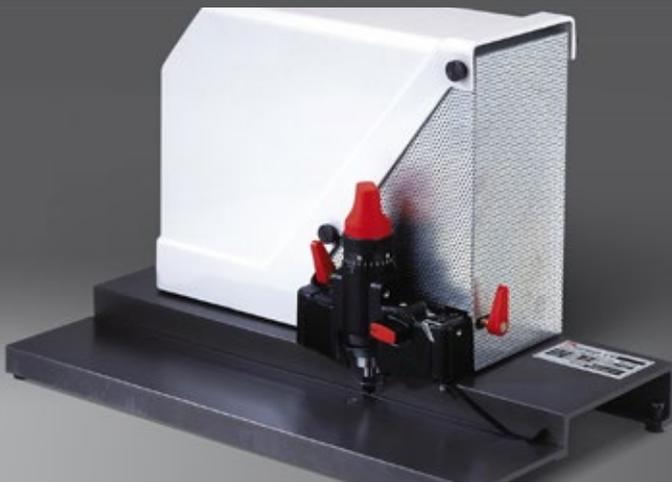
Several blade models are available.



BEVELLING MACHINES

Bevelling the edges of your plaques and badges or rounding their corners gives a quality finish, helping you to stand out from your competitors. Our range of bevelling machines offers multiple possible bevelling angles, for materials up to 3.2 mm thick.

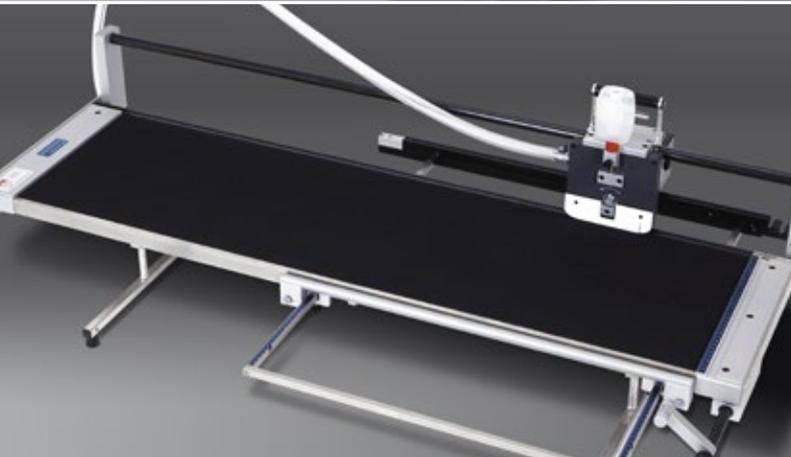
Most of our machines have an integrated chip collector.



SAWS

The circular saws in the Gravograph range cut most materials, from plastics to light metals. Made safe by a protective cover, cutting precision is assured by a movable stop with automatic return. Available in different versions according to the size and thickness of your materials.

It comes equipped with an integrated chip collector.



OUTSTANDING SERVICES

CUSTOMISATION & ADAPTATION

Gravograph is dedicated to its customers and offers customization and adaptation services.

Whether customizing software to allow for data exchange between another system and your engraver, or designing custom holding devices, fixing mechanisms, or cutting tools for your machine, Gravograph can create the perfect solution.

INSTALLATION & TRAINING

Enjoy the convenience of Gravograph's team to install and implement your solution and help you get the most out of your equipment with proper training.

Users' needs evolve over time. Our proximity allows us to always be available to assist you and your business. Tailored maintenance contracts allow you to extend the reliability and life of your equipment while software upgrades enhance your machine's capabilities.



EXPERT ADVICE

At Gravograph, we pride ourselves on providing our customers the best way to do what they intend on doing with their solutions. That means the most careful consideration of your applications and requirements.

Experienced teams across 5 continents take the time to set up parameters of your machine precisely to best accomplish your goals. No matter what your objective is.

QUALITY

The deployment of our quality policy allowed us to initiate an ISO 9001 certification process in 1999 and today our main industrial and commercial facilities are ISO 9001: 2015 certified.



ABOUT GRAVOTECH

Gravotech is the global leader in cutting, engraving, scoring and permanent marking solutions for the personalisation, signage and traceability markets. The group has two main brands: Gravograph and Technifor. Gravograph is the reference supplier of laser and mechanical machines and materials for cutting, engraving and scoring applications. Technifor specialises in dot peen marking, scoring and permanent marking machines using laser, dedicated to traceability.

Gravotech's head office is in Lyon, France; it operates three production sites and provides solutions via 21 subsidiaries and 300 distributors in over 100 countries and it employs 920 people worldwide.

Further information on the Group, its products and services is available on our websites: www.gravotech.com, www.gravograph.com et www.technifor.com.

“ The deployment of a Group quality system is the basis of our common goal: customer satisfaction.

”

Gérard Guyard - President



The head office in Rillieux-la-Pape



The manufacturing workshop in France



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GRAVOGRAPH 

GRAVOTECH GROUP