



GRABADOS

MONTERREY SA DE CV ®

¡Grabados al minuto!

MATERIALS AND PROCESS GUIDE



GRABADOS
MONTERREY SA DE CV



LASER

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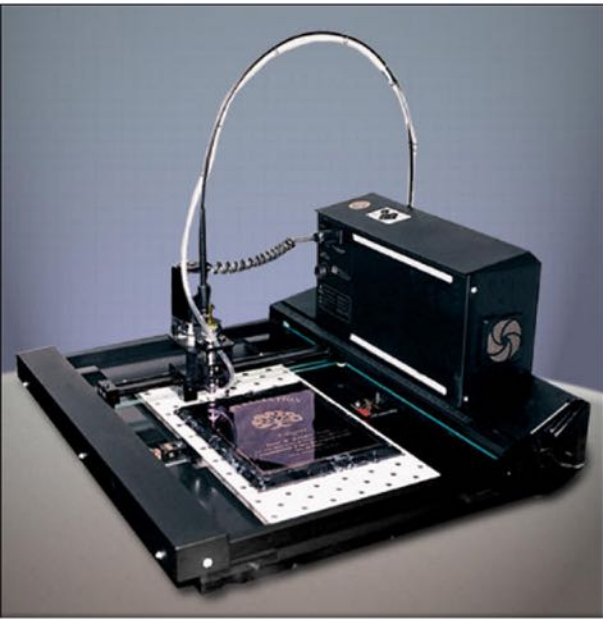
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At Grabados Monterrey we believe it is important that our clients feel complete confidence in the work we do for them. More than 35 years experience has provided us with a depth of knowledge about different engraving processes. This experience helps us inform our customers with the best options for the job they need done and issues excellent results.

The intent of this document is to share information on the processes we operate and how the best results can be achieved. We will also share information on the wide range of materials we have experience working with.

DIAMOND DRAG



How does it work?

The diamond drag process is utilized to create engraved grooves on the surface of materials. The diamond point drags along the surface creating a permanent mark. The direction and depth of the engraving is guided by a computer. We also offer mechanical engraving which is done with the use of pantographs and is used for smaller engravings like in fine jewelry.

MATERIALS

Metals (aluminum, stainless steel, gold, silver, pewter, titanium, platinum, copper, brass), rock (marble), plastic, acrylic, glass.

Diamond drag engraving is used to create text on fine jewelry like pendants or on the inside of engagement or wedding rings. Often the engraved text includes the partner's name or the wedding date. This method is also used to engrave awards, such as the winner's name on a sport trophy.

**elegant
permanent
detailed**

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DIAMOND DRAG



awards



pens



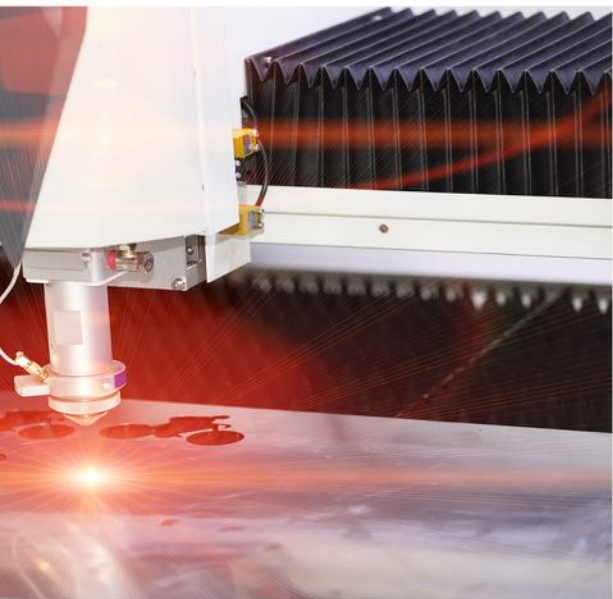
jewelry

machinery plaques



silver

LASER ENGRAVING



How does it work?

Laser engraving removes the top layer of material from the product. This creates an engraving that is millimeters deep and extremely precise. The strength, speed and density of the laser can be manipulated exactly for creating engravings and making cuts.

MATERIALS

Metal, acrylic, leather, paper, wood, glass

Laser engraving is precise, clean and permanent and in most cases can be done swiftly. It is an excellent engraving method for graphics, detailed designs, logos, photography and for marking pieces for industry use. This is also a great option for personalizing solid surfaces and natural stone.

**fast
precise
versatile**

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LASER ENGRAVING



awards



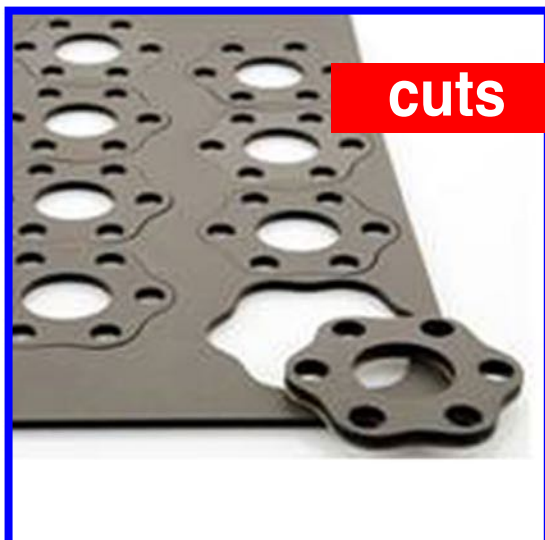
tools



QR codes



barcodes



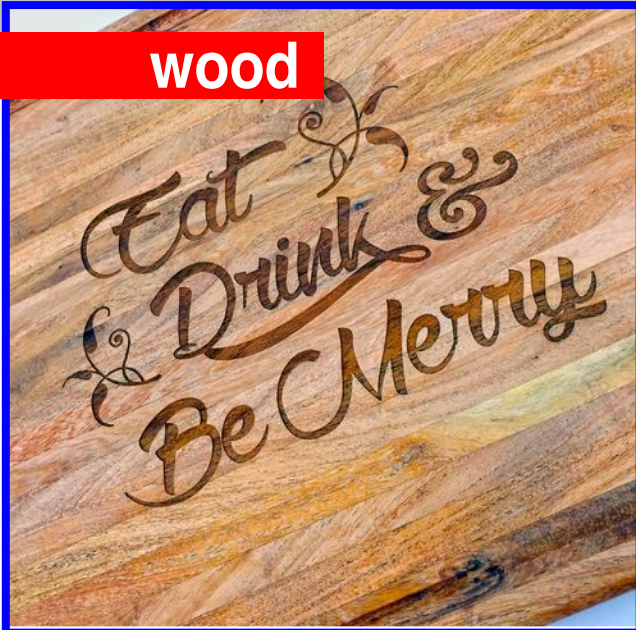
cuts



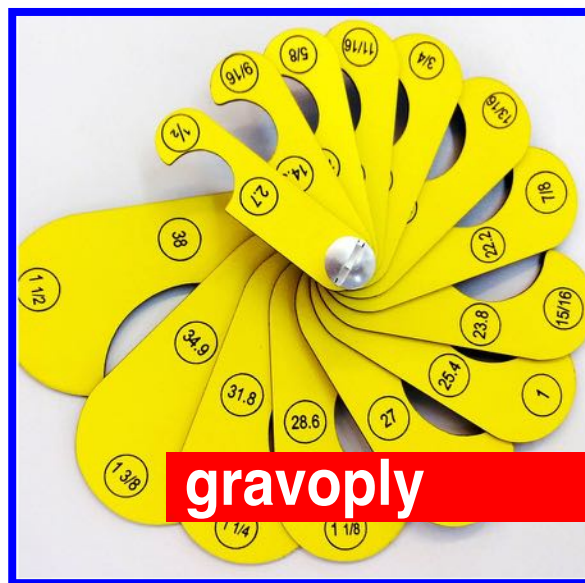
masters

LASER ENGRAVING

wood



gravoply



acrilic



glass



metal



leather



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SANDBLAST

How does it work?



Sandblast uses compressed air that pushes abrasive material through a nozzle creating an engraving on the surface of the material. This process is done within a isolated glass cabin which works as a vacuum to precisely direct the compressed air.

MATERIALS

Glass, crystal, metal, granite, ceramics, natural stone

The sandblast method of engraving allows for variations in intensity. An engraving can lightly mark a piece or can be a deeply etched design. Designs can be so precise that detailed images like buildings or other designs can be produced. Sandblasting can create smooth engravings with defined lines. It is the best option for creating elegant awards.

**fine
elegant
permanent**

SANDBLAST

paperweights



shots and glasses



awards



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PHOTOENGRAVING

How does it work?



Photoengraving is the process of preparing images and text for printing. The images are transferred using a combination of photography and acid etching methods. The result are plaques with bas-relief images that can then be spray painted and cleaned so that only the bas-relief areas are left with color.

MATERIALS

Bronze, aluminum, steel, brass y copper.

Photoengraving can create images in color or in black and white. The text or images created are in a shallow bas-relief. The result is very clear and with precise details. This engraving method also allows for the use of color.

Photoengraving is mainly applied for decorative plaques for use as awards. This is because this method can reproduce logos, signatures or images such as buildings or architectural plans. It is also used for creating control panels because of its precision and durability. It is an excellent option for engraving plaques that will be exposed to natural weather conditions.

colorful
precise
versatile

pins



PHOTOENGRAVING



Casa de la Cultura
Prof. Amador Lozano Veliz

Esta Casa de la Cultura fue construida gracias al apoyo del
Gobernador Lic. Rodrigo Medina de la Cruz, de los recursos del progr
de CONACULTA y recursos propios del Municipio de Parás, N.L. con el
ontar con un espacio para formar ciudadanos comprometidos con la s

Administración 2012-2015

awards

es Gómez
Presidente Municipal

Parás, N.L. O

TERRA



REGIA

signs

AIR MASTER
AIR MASTER VENTILACION INDUSTRIAL

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Monterrey, N.L. C.P.

machinery plaques

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HOT STAMPING



How does it work?

A hot stamping die containing text or an image is heated and then pressed on to a surface leaving a bas-relief marking.

MATERIALS

Leather, wood

This engraving system is very simple, the bas-relief is created over the surface of the material that is being marked. This is a dry method that does not damage the object. In some cases metallic colors can be added to the engraving.

Hot-stamping is a popular choice for marking luxury products like wallets or briefcases with a discrete detail. It is also the preferred method for marking pencils for school or promotional events.

classic
discrete
timeless

HOT STAMPING

leather



wood

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