

materials
CATALOGUE
accessories
and
services



GRAVOGRAPH
www.gravograph.com

VOL. 1E

HOW TO USE THIS CATALOGUE

STEP 1

Answer the two questions in the new Selection Guide.

(pp.2 & 3 for Indoor Materials, pp.4 & 5 for Outdoor Materials)

The guide will recommend a few choices, based on your specific needs. The guide will also tell you which product is most common for your application and why you may want to use one product over another, based on your needs.

STEP 2

Check the product details.

Next, follow the product's page number reference from the Selection Guide to jump directly to the specific product ordering details. Or you can turn to the Material Specifications chart on pages 8 & 9 to learn more about the product, including its capabilities. You will find a great, concise summary of all our materials on pages 6 and 7.

STEP 3

Find cutters and other accessories you will need.

The accessories section, which begins on pages 64 - 77, has a huge assortment of engraver supplies, cutters, fabrication equipment and machine accessories sure to make your business more efficient and enjoyable.

STEP 4

Give us a call.

NOTE: To learn more about the many materials we offer, please refer to pages 6 & 7 for a great summary of all the materials in one concise format.

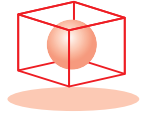
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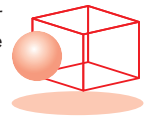
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PICTOGRAPH GUIDE

Interior
(Indoor) Use



Exterior
(Outdoor) Use



Surface
Engraving



Sub-surface
Engraving



Rotary
Engraving



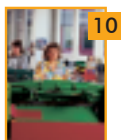
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Engraving



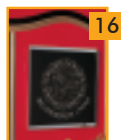
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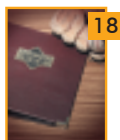
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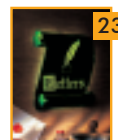
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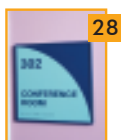
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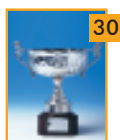
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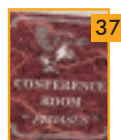
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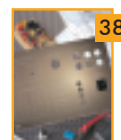
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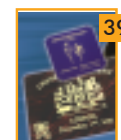
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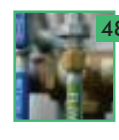
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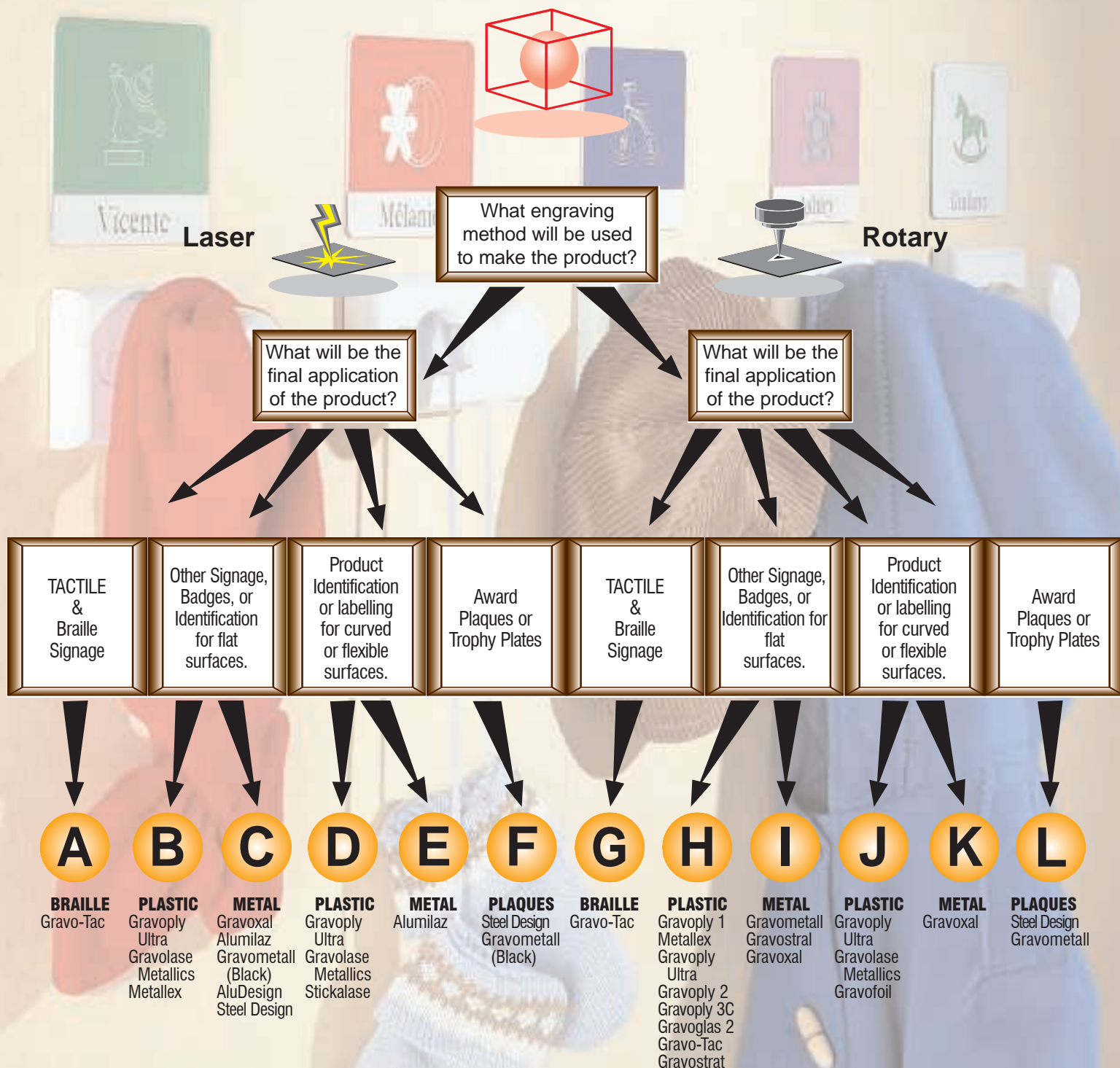


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INDOOR MATERIALS SELECTION GUIDE

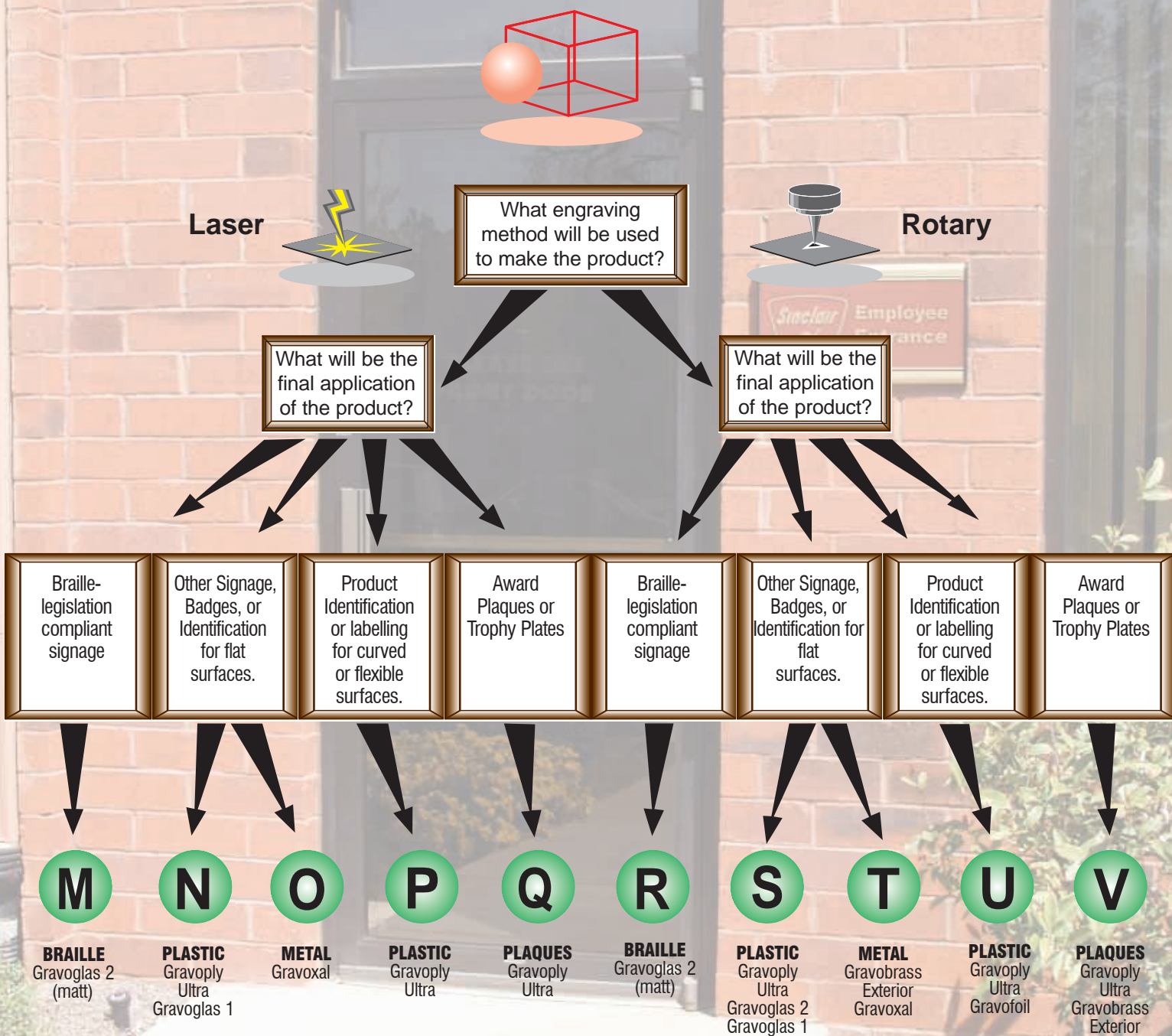


PLEASE NOTE: Each material is listed in order of typical relevance. Having the product listed under a particular application category is not meant to be a guarantee for your particular application. Please refer to the details in the "Application Explanation" to see if there are any limitations when using the product listed in the selection guide.

INDOOR APPLICATION EXPLANATION

- A Gravo-Tac** is the best BRAILLE-legislation compliant product for lasering, and yields the cleanest edges. The profile layer can be vector cut after being applied to the substrate. The 1.0 mm profile layer of the regular interior **Gravo-Tac** can be lasered if necessary, but the interior **Gravo-Tac** 1.6 mm substrate is not recommended for lasering.
- B** If you are lasering plastic signage **Gravoply Ultra** is your best choice. If you need a metallic surface appearance, you will want to use **Gravolase Metallics**. You may choose **Metallex** if you are looking for a particular price point for a metallic finish product, but the core of **Metallex** cannot be vector cut cleanly by a laser. You can engrave the text into **Metallex** with a laser, but need to use a shear or saw to cut out the sizes of material.
- C** Black **Gravoxal Anodized Aluminum** is the most popular rigid laserable substrate due to its durability and clear contrast (background = black, text = silver). Now **Alumilaz** offers a solution where you can have a silver or gold background with black text and the ultimate in durability. No second oxidation process is required. **Steel Design** is designed to create gold letters with your laser, but the durability is limited, and is best suited for plaques on a wall that will not be disturbed. **AluDesign** is great for unique pattern rigid sign applications, and must be paint-filled to create anything but the silver aluminium text. **Gravometall** is a solid brass sheet for indoor applications, but only the black version can be engraved with a laser.
- D Gravoply Ultra** 0.5 mm thickness is the most popular choice for this application – and for good reason. Not only is it thin and flexible, but it is also very durable and available in a wide variety of colours. For a metallic finish use the 0.5 mm thickness version of **Gravolase Metallics**. **Stickalase** is a very thin (0.09 mm) laserable sticker-like material, available in black/white or silver/black.
- E** The **Alumilaz** product, discussed in letter (C) above, has a version that is only 0.127 mm thick. This thin layer of aluminum is supplied with adhesive backing, and can be wrapped around just about anything. The standard 0.5 mm **Alumilaz** can be bent, but does not wrap as well as the 0.127 mm thick version. Both give black letters on your choice of gold or silver background.
- F Steel Design** returns gold brass lettering when lasered. The final product is beautiful and costs less than solid brass. Black **Gravometall** can also be lasered to return gold lettering, but for the price, it's hard to beat **Steel Design**.
- G Gravo-Tac** is the only product to be fully compliant with Braille legislation. The interior version is less expensive than the exterior version and is all that is necessary for engraving with a rotary machine. Sometimes people choose to add a **Gravo-Tac** 1.0 mm profile layer to another matte finish product, and that will work fine. Just remember the substrate must also have a matt surface finish for the finished sign to be fully compliant with Braille legislation..
- H** Interior signage made with a rotary engraver offers your greatest number of options. The most popular product is **Gravoply 1**. **Gravoply 1** offers a laminated 0.25 mm cap that offers a deep engraved look and a high level of durability. If you need a higher level of detail (i.e. Small text), you will want to look at **Gravoply 2** or **Gravoply Ultra**. Each offers a thin cap, but the **Gravoply Ultra** cap is more durable than the **Gravoply 2** cap. If you need a metallic appearance, **Metallex** is the most popular choice. **Gravoply 3C** combines the technology of a thin foil cap over a 0.25 mm cap, allowing you to create a 3-colour sign with your engraver, all with forward surface engraving. If you need to create a sign with 4 or more colours, you will need to use a Sub-Surface Engrave **Gravoglas 2** product and paint-fill, or use a **Gravo-Tac** product and create raised letters. **Gravostrat** has the unique honour of being the most chemical resistant and only non-flammable product available. If you don't require these characteristics, you will not want to work with **Phenolic**, as it is very hard and creates fine saw dust you do not want to inhale.
- I Gravometall** is the most popular choice for metal interior signage. And while it does create a gorgeous sign, it can be quite labour intensive to paint-fill the gold brass for that strong contrast. A newer product on the market, **Gravostrat**, is actually a laminated product with a solid metal surface and a black phenolic core. Available in either Matt Silver or Brushed Gold anodized aluminum, the 0.25 mm aluminum cap layer exposes the black core when engraved – completely eliminating the extra labour typically associated with metal signage. **Gravoxal** is another choice that offers a brushed metal surface, and is available in a variety of colours. All letters engrave silver, so darker colours are typically preferred, to maintain high contrast.
- J** The 0.5 mm versions of **Gravoply Ultra** (for solid colours) or **Gravolase Metallics** (for metallic finishes) are usually first choice for flexible signage and labelling. The 0.5 mm thick product can be ordered with or without adhesive backing. **Gravofoil** is a flexible PVC product with adhesive backing and an overall thickness of only 0.2 mm. One way to understand **Gravofoil** is to think of it as a permanently engraved sticker.
- K Gravoxal** is the best metal choice for this rotary engraved application, but in its thinnest form this metal is still a relatively rigid 0.5 mm and has a limit to how much it can contour. **Alumilaz** is a much thinner (0.127 mm total thickness) product, but you will need a laser to engrave on it.
- L Steel Design** engraves gold brass letters onto coloured backgrounds, while the steel core helps to minimize costs. **Gravometall** is a solid brass sheet for high quality plaque and trophy plates.

OUTDOOR MATERIALS SELECTION GUIDE



PLEASE NOTE: Each material is listed in order of typical relevance. Having the product listed under a particular application category is not meant to be a guarantee for your particular application. Please refer to the details in the "Application Explanation" to see if there are any limitations when using the product listed in the selection guide.

OUTDOOR APPLICATION EXPLANATION

- M** **GravoTac Exterior** (special order) is currently the only product designed for exterior signage to be fully compliant with Braille legislation – and the DR plastic construction means you can cleanly vector cut the letters out with a laser engraver. **Gravoglas 2**, by itself, is not compliant with Braille legislation, but this product is often used as a 1.6 mm substrate to attach the 1.0 mm GravoTac Exterior profile letters. Use a matt finish product for full compliance.
- N** **Gravoply Ultra** is the first choice for exterior signage that needs to be made with a laser engraver. **Gravoglas 1** will also work well for this application, but is only designed for sub-surface engraving requiring a paint-fill process after engraving.
- O** **Coloured Gravoxal** is the best metal choice for this laser application. Available in matt and glossy - 5 different colours.
- P** The thinner **0.5 mm** thick version of **Gravoply Ultra** is perfect for this application. The 0.5 mm material is very flexible, and can be ordered with an adhesive back if necessary.
- Q** While you typically think of metals for plate applications, the **0.5 mm** thin version of **Gravoply Ultra** offers a simple Laser engravable alternative that can stand up to outdoor environments. If you really need a metal surface you can laser a black sheet of **Gravometal**, but you will need to coat it with a clear outdoor lacquer after engraving since this product is not really meant for the outdoors.
- R** **GravoTac Exterior** (special order) is currently the only product designed for exterior signage to be fully compliant with Braille legislation. **Gravoglas 2**, by itself, is not compliant with Braille legislation, but this product is often used as a 1.6 mm substrate to attach the 0.8 mm GravoTac Exterior profile letters. Use a matt finish product for full compliance.
- S** With its thin 0.05 mm cap **Gravoply Ultra** is one of the easiest exterior products to rotary engrave, and now the selection of matt and satin finishes allows an even broader application potential. **Gravoglas 1** is an alternative for subsurface engraving with a thin micro-cap. The clear solid acrylic cores of Gravoglas 1 all feature a glossy surface finish. **Gravoglas 2** is another great outdoor product, and its durable 0.25 mm cap is available in 3 surface finishes: Glossy, Matt, Textured. Gravoglas 2 products are also well-suited to many surface and sub-surface applications..
- T** **Gravobross Exterior** is a raw brass product designed for high quality exterior signage. This product contains no surface lacquers of any type. If you do not want the aged brass look caused by oxidation over time, you will need to coat the final engraved product with an exterior lacquer.
- U** The thinner **0.5 mm** thick version of **Gravoply Ultra** is perfect for this application. The 0.5 mm material is very flexible, and can even be ordered with an adhesive backing if necessary.
- V** While you typically think of metals for plate applications, the **0.5 mm** thin version of **Gravoply Ultra** offers a simple alternative that can stand up to outdoor environments. **Gravobross Exterior** is a raw brass product designed originally for high quality exterior signage, but suitable for small plates or outside donor plaques. This product contains no surface lacquers of any type. If you do not want the aged brass look caused by oxidation over time, you will need to coat the final engraved product with an exterior lacquer.

KNOW YOUR PLASTICS

GRAVOPLY ULTRA (p. 16)

Our most versatile product yet. This micro-cap product allows fine detailed engraving similar to a foil cap product (like Gravoply 2), but the non-foil solid plastic cap offers more overall durability - a trait traditionally limited to the standard 0,05mm laminated caps (like Gravoply 1). This cap is so durable in fact, it can be used indoors or outdoors. Even better, this fully UV stable 2-Ply product can be engraved with a rotary engraver or a laser engraver. And now this product is available in a variety of overall thicknesses (0.5 mm, 1.6 mm, 2.4 mm) and offers many matt and satin surface finishes to choose from. Reduce your overall inventory value by stocking just one product line for all your 2-Ply needs.

GRAVOLASE METALLICS (p. 18)

Similar in appearance to the Metallex product line, Gravalase Metallics uses many of the same foil cap layers. But Gravalase Metallics uses a core of laserable solid DR plastic, instead of ABS plastic. DR is a special formulation of a modified acrylic known best for its laserability. Available in either a flexible 0.5 mm or a sturdy 1.6 mm overall thickness.

GRAVOPLY 1 (p. 20)

Still our most popular product, Gravoply 1 is constructed with a standard 0.25 mm cap layer and perfect for almost any indoor application.

GRAVOPLY 2 (p. 24)

The micro thin 0.25 mm foil cap of Gravoply 2 allows for very fine detailed engraving. While this is perfect for small text and/or intricate logos required of many indoor applications, the thicker cap of Gravoply 1 may be better for many industrial applications where long-term cap durability may be put to the test. Gravoply 2 comes standard with a matt surface finish, but we now have Gravoply 2 Gloss available, which has a glossy clear protective cap layer.

GRAVOPLY 3C (p. 27)

3-Ply materials typically have a cap on either side of the core, so you can engrave on either side of the material. However, this 3-Ply material is constructed with 3 layers to be engraved from one side. The unique composition allows you to create a 3-colour interior sign with your engraver. Engrave to 0.01 mm to expose the first core, and to 0.3 mm to expose the second core.

GRAVO-TAC (p. 28)

The design of GravoTac provides the core (substrate) and cap (profile) layers separately. By outlining the desired images or text in the adhesive backed profile layer, and peeling away the excess material, GravoTac creates raised-letter signage compliant with raised-letter regulations. The raised-letter process is also a great way to create multi-coloured signage with your engraving machine.

METALLEX (p. 30)

It's the plastic that looks like metal. Save weight and expense for all your indoor metallic applications! Most popular for creating badges. Available in a variety of colours and 3 surface styles. The original Metallex is constructed with a laminated metallic foil cap. Metallex 2 has a special surface treatment to add scratch resistance to the beautiful yet sensitive metallic foil cap. And Metallex Gloss has an added glossy clear protective cap layer over the metallic foil - designed for the ultimate in scratch resistance.

STICKALASE (p. 32)

Available in black/white or silver/black, this 0.09 mm thick, adhesive backed, laserable plastic is perfect for bar-codes, cylindrical labelling, ID plates or trophy plates. Sold in convenient 120 mm x 10 m rolls.

RUBBALASE (p. 32)

This natural rubber product, sold in small A4 size sheets is perfect for creating high quality rubber stamps with your laser machine.

GRAVOSTRAT (p. 33)

Phenolic is a very rigid fibrous product that can be very susceptible to humidity, but is usually chosen for its fire retardant qualities.

GRAVOGLAS 1 (p. 42)

This acrylic 2-Ply is designed exclusively for sub-surface engraving, and is suitable for outdoor applications. Different from Gravglas 2, Gravglas 1 has a thin micro-cap on a more rigid clear solid acrylic core. The thin cap offers fine detailed engraving - and it is laserable, too!

GRAVOGLAS 2 (p. 44)

Designed with the same 0.25 mm cap thickness as our standard indoor plastic Gravoply 1, the UV stability of Gravglas 2 makes it perfect for all outdoor applications. Available in matt, glossy, or textured surface finishes for surface or sub-surface engraving.

GRAVOFOIL (p. 48)

Sold in sheet form, this 0.2 mm thick adhesive backed product is only for use with a rotary engraver. It creates an industrial strength permanently engraved sticker. Its very malleable PVC construction allows it to conform to many product applications.

KNOW YOUR METALS

GRAVOMETALL & GRAVOBRASS (p. 34)



Now available for a variety of applications. Gravometall has a thin protective lacquer coating to protect the surface from oxidizing over time, but is only suitable for indoor environments. Gravobrace Exterior is a solid raw brass typically used for office building exteriors, commonly called "Doctor Plates". If you do not want the appearance of ageing or oxidizing

brass, it will be necessary to coat the final engraved (and likely paint-filled) product with an exterior-grade clear lacquer before or soon after mounting.

ALUMILAZ (p. 39)



0.508 mm. Also available with adhesive backing.

This special line of gold anodised aluminum produces black characters when lasered with any standard CO2 laser engraver. No oxidation or paint fill needed. Available in matt silver, satin silver and satin gold in thicknesses 0.127 mm and

GRAVOSTRAL (p. 36)



The cap is metal, the core is Phenolic. Perfect for quality interior metal signage. The 0.25 mm aluminum caps cover a black Phenolic core, you will never need to paint fill this metal product after engraving. This product can save you time and money.

ALU DESIGN (p. 37)



Another perfect choice for professional signage, this line of laserable aluminum is available with various marble and wood grain finishes. Available in 1.5 mm overall thickness.

GRAVOXAL (p. 38)



This solid sheet of aluminum has an anodised surface. The anodisation colours the actual metal to a depth of 0.025mm to 0.05mm and is typically more durable than a paint that is applied to the surface of the metal. For this reason, anodised aluminum is often used for industrial applications requiring a durable surface finish.

While anodised aluminum can be engraved with a laser engraver, an engraved contrast will only be realised with gold, black, or coloured aluminum. The silver version has a clear anodisation.

STEEL DESIGN (p. 39)



Steel Design is actually a brass plated steel product. Designed for use with a laser machine, this product returns brilliant gold lettering when engraved with a laser engraver. The clear layer of lacquer under the polyester-based topcoat of paint protects the brass from oxidising for years to come. The great appearance and low price have made Steel Design a recent favourite of trophy shops using laser engravers. Since the top coating of Steel Design is painted with a polyester-based paint, the surface is sublimation receptive for dye-sublimation transfers. The masking on this product is clear, so you can print your dyes directly through the masking for easier clean-up. Sublimation images work best with white, silver or gold colours.

MATERIAL SPECIFICATIONS

GRAVOLASE METALLICS

GRAVOPLY 1

GRAVOPLY 2

GRAVOPLY 3C

GRAVO-TAC

METALLEX

GRAVOSTRAT PHENOLIC

STICKALASE

GRAVOSTRAL

ALU DESIGN

STEEL DESIGN

GRAVOMETALL

ALUMILAZ

GRAVOXAL

GRAVOBRASS EXTERIOR

GRAVOPLY ULTRA

GRAVOFOIL

GRAVOGLAS 1

GRAVOGLAS 2

Use	Material	Surface	Method of engraving	Engraving depth
Indoor	Modified Acrylic	Brushed/Glossy	Rotary/Laser	0.1mm
Indoor	ABS	Satin/Matt	Rotary	0.3mm
Indoor	ABS	Matt/Glossy	Rotary	0.1mm
Indoor	ABS	Matt	Rotary	0.1mm-0.3mm
Indoor	ABS	Matt	Rotary	1.1mm
Indoor	ABS	Matt/Glossy	Rotary/Laser	0.1mm
Indoor	Phenolic	Glossy	Rotary	0.3mm
Indoor	Plastic	Matt	Laser	0.025mm
Indoor	Phenolic	Matt/Satin	Rotary	0.3mm
Indoor	Aluminum	Glossy	Rotary/Laser	0.1mm
Indoor	Steel	Satin/Glossy	Burnish/Diamond/Laser	Burnish 0.1mm
Indoor	Brass	Matte/Satin/Glossy	Rotary/Burnish/Diamond/Laser	Rotary 0.1mm
Indoor	Aluminum	Matt/Satin	Laser	N/A
Outdoor	Aluminum	Matt/Glossy	Rotary/Diamond/Laser	Rotary 0.1mm
Outdoor	Brass	Glossy/Satin	Rotary	0.1mm
Outdoor	Modified Acrylic	Matt	Rotary/Laser	0.1mm
Outdoor	PVC	Matt	Rotary	0.025mm
Outdoor	Acrylic	Glossy	Rotary/Laser	0.2mm
Outdoor	Modified Acrylic	Matt/Glossy/Textured	Rotary	0.3mm

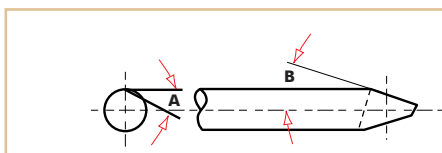
Recommended twincut cutter	Grinding angles clearance/cutting		Cutter material	Needs lubrication	Saw	Shear	Bend	Stamp	Screen
*	40	30	Carbide	N	■	■	■	■	■
*	40	30	Carbide	N	■	■	■	■	■
*	40	30	Carbide	N	■	■	■	■	■
*	40	30	Carbide	N	■	■	■	■	■
*	40	30	Carbide	N	■	■	■	■	■
*	38	30	Carbide	N	■	■	■	■	■
*	38	30	Carbide	N	■				
*	N/A	N/A	N/A	N/A		■		■	■
*	38	30	Carbide	Y	■				■
*	40	30	N/A	N	■				■
*	N/A	N/A	Carbide	N		■			■
*	40	30	Carbide	Y		■		■	■
*	N/A	N/A	N/A	N/A		■			■
*	40	30	Carbide	Y		■			■
*	40	30	Carbide	Y	■			■	■
*	40	35	Steel	N	■		■	■	■
*	38	30	Carbide	N		■			■
**	40	35	Steel	N***	■		■	■	■
**	40	35	Steel	N	■		■	■	■

Steel cutters: Monobloc cutters, manufactured in a heavy-duty steel alloy and then heat treated. Especially used for engraving precious metals, such as pieces of jewellery. Can be ground with a 0mm tip to obtain very thin characters.

Carbide cutters: Monobloc cutters, manufactured in a micrograin carbide alloy. Life span 3 to 4 times that of HSS cutters. High engraving speeds. May be used for industrial applications on hard materials (i.e. aluminium, metal) and abrasive materials (i.e. plastic).

Grinding angles

A = Clearance Angle
B = Cutting Angle



* conical twincut inserts for engraving on conventional materials

** conical twincut inserts for jewellery engraving (grinding clearance angle: 45°)

*** lubrication may be required for deeper engraving applications



FABRICATION SERVICES

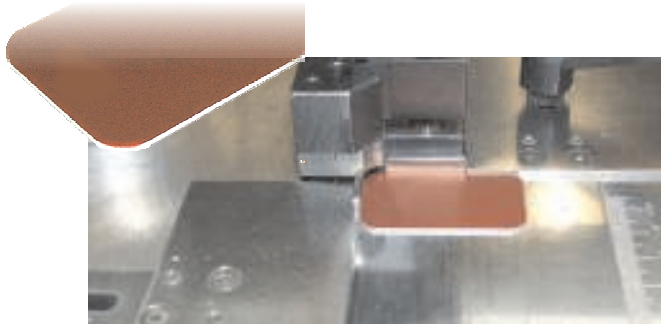
Bevelling

Bevelling is the cutting of an attractive angular edge in order to create a border.



Rounded Corners

We offer a selection of different radii for rounded corners. Contact us for more details.

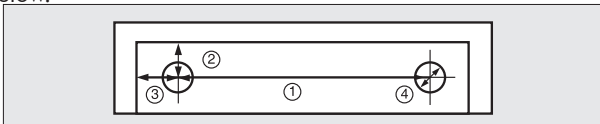


Punching/Drilling Holes

To accommodate your mounting needs in plastic and metal.



Holes are positioned as per your specifications. When measuring holes, follow the illustrated example shown below.



Supply these four measurements:

1. From the centre of one hole to the centre of the other hole.
2. From the centre of the hole to the top edge of the material.
3. From the centre of the hole to the side edge of the material.
4. Diameter of any counter-sunk holes to be drilled (for mounting materials and wall holders with flat head screws). Ask for a quotation.

Hot stamping

We offer single or multi-coloured hot stamping.



Punch-out

We have a variety of tools for round, square and rectangular punch-outs. Ask for available sizes.



Slotting

For acrylic material. Specify position, angle and width of slot.



Bending

Plastic materials 1.6 mm or thicker (except Phenolic) can be bent into stand-up display signs, badges etc. Maximum length of the bend is 400 mm long. Ask for a quotation.



FABRICATION SERVICES

Adhesive Backing

We can apply adhesive backing to badges, nameplates, strips and sheets. Adhesive backing is applied before cutting material.



Magnetic Backing

For temporary mounting of info tags on metal shelves, we can apply magnetic backing to plates, strips and sheets. Magnetic backing is applied before cutting material.

Silk Screen Printing

For multiple colours on different engraving materials we also offer silk screen printing for badges, type labels, technical signs etc.



Custom Solutions

We also deliver for example cut-to-size self-adhesive signs in a matrix on a carrier material: • engrave it • take it off • stick it on. For more information about Solutions, contact us.



Polishing

The edges of cut acrylic material can be polished into smooth lustrous finished edges.

Custom Colour Plastic Material

Gravograph provides exclusive colour matching services! Although we offer the largest selection of engraving materials, we understand our customers' special requirements. Gravograph is able to supply proprietary material based on your specifications: colour, material, thickness and ply.

If a large job calls for a special colour combination, contact us.

FABRICATION SERVICES

...ready to engrave badges

Just like our other cut-to-size items, badges are available in most of our engraving materials. Our badges include fasteners. Just specify your requirements: size and material, fastener, fused, cemented or bonded hardware; rounded or square corners; with or without bevelling.

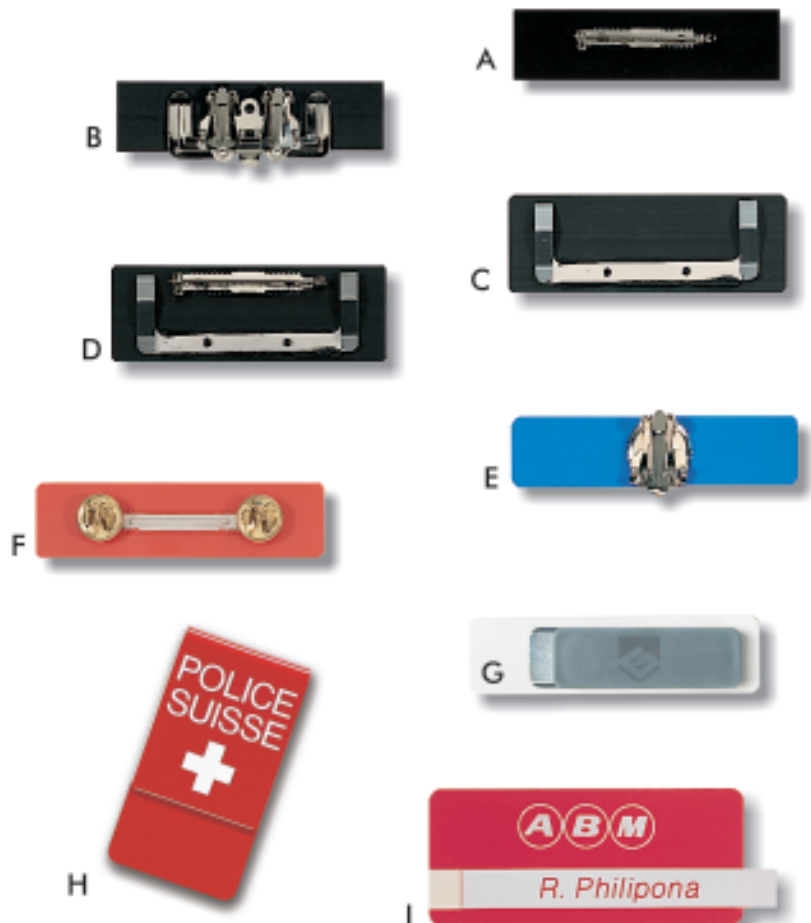
For additional information, please see page 63.

- A. Safety pin**
- B. Superclip**
- C. Combi-Clip**
min. size 70 x 25 mm
- D. Combi-Clip with safety pin**
min. size 70 x 25 mm
- E. Snap Clip, swivel**
- F. Clutches**
- G. Magnetic**
 - Standard
 - Jumbo
- H. Bent Plastic**
dimensions of engraving area
65 x 20 or 75 x 25 mm
- I. Badge with exchangeable strip**
strip-height 9.5 mm, min. size 65 x 30 mm

For ready made badges see page 62



Types of Fastener



Special Badge Fabrication



Don't forget...
that we can help you
• with any shape or size on request
• with hot stamping.
Ask for details.

CUT-TO-SIZE

Circular and oval blanks are die-cut from our current range of engraving materials using the most appropriate tools. Standard sizes listed; other sizes on request.

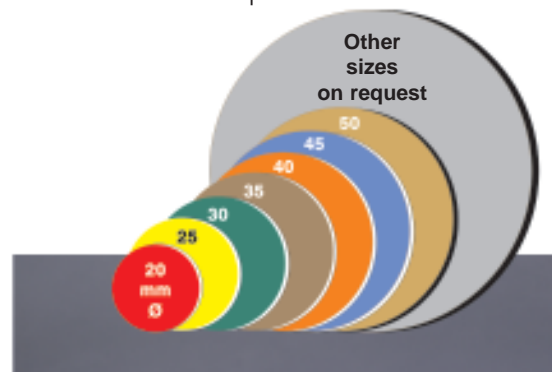
Exterior DR acrylics, such as GRAVOPLY ULTRA, GRAVOGLAS 1 and GRAVOGLAS 2 cannot be die cut.



CIRCULAR BLANKS

available with or without holes in the following diameters: 20, 25, 30, 35, 40, 45, 50 mm.

Other diameters on request



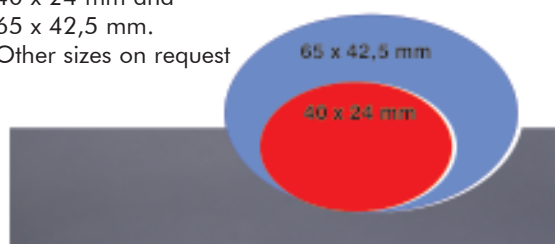
OVAL BLANKS

available with or without holes in the following diameters:

40 x 24 mm and

65 x 42,5 mm.

Other sizes on request



CABLE TAGS

GRAVOPLY 1 1.5 mm with 4 sideways die-cuts for mounting with hose clamps.

Size 150 x 11 mm

Other sizes on request



CABLE TAGS

GRAVOPLY 1 and GRAVOPLY 2, thickness 0.8 mm with 4 elongated holes 6.5mm/3mm, Size 120 x 20 mm

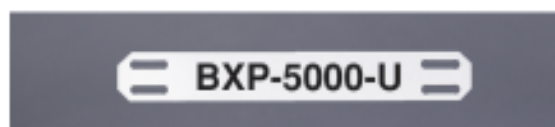
Other sizes on request



CABLE TAGS

GRAVOPLY2, thickness 0.8 mm with 4 elongated holes 8mm/2mm, Size 82 x 12 mm

Other sizes on request

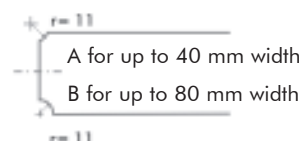


Signs with concave corners

are cut-to-size in GRAVOPLY 1, GRAVOPLY 2, GRAVOXAL, GRAVOMETALL and METALLEX with concave corners.



Die cutting of concave corners



DIE CUTTING

in cut-to-size pieces of GRAVOPLY 1, GRAVOPLY 2, GRAVOXAL and METALLEX to label push-buttons etc. Ø 10.0-11.0-15.0-15.5-22.5-23.5-24,5-30,5 and 31 mm. Other Ø on request.



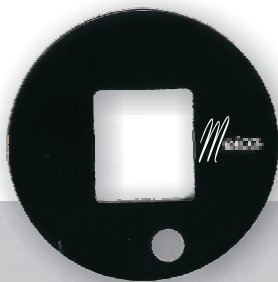
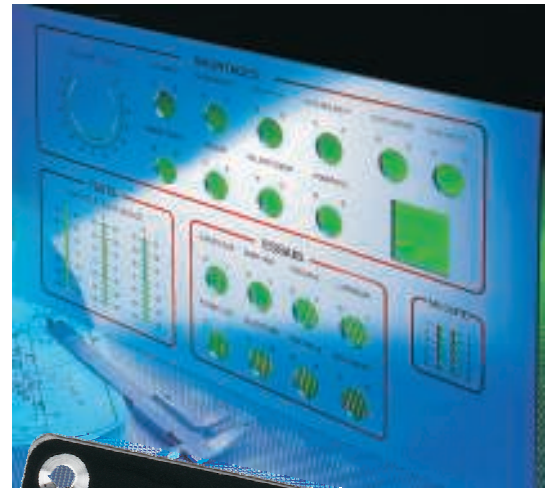
CUT-TO-SIZE

With industrial applications come the most diverse needs..
The Gravograph range is the solution to all expectations,
including both "standard" and "on request" ranges of
materials.

Our engraving materials, in plastic or aluminium, are
designed for an industrial environment.

Here is a selection of examples.

For a solution to fasten your plates and labels see page 64 and 65.

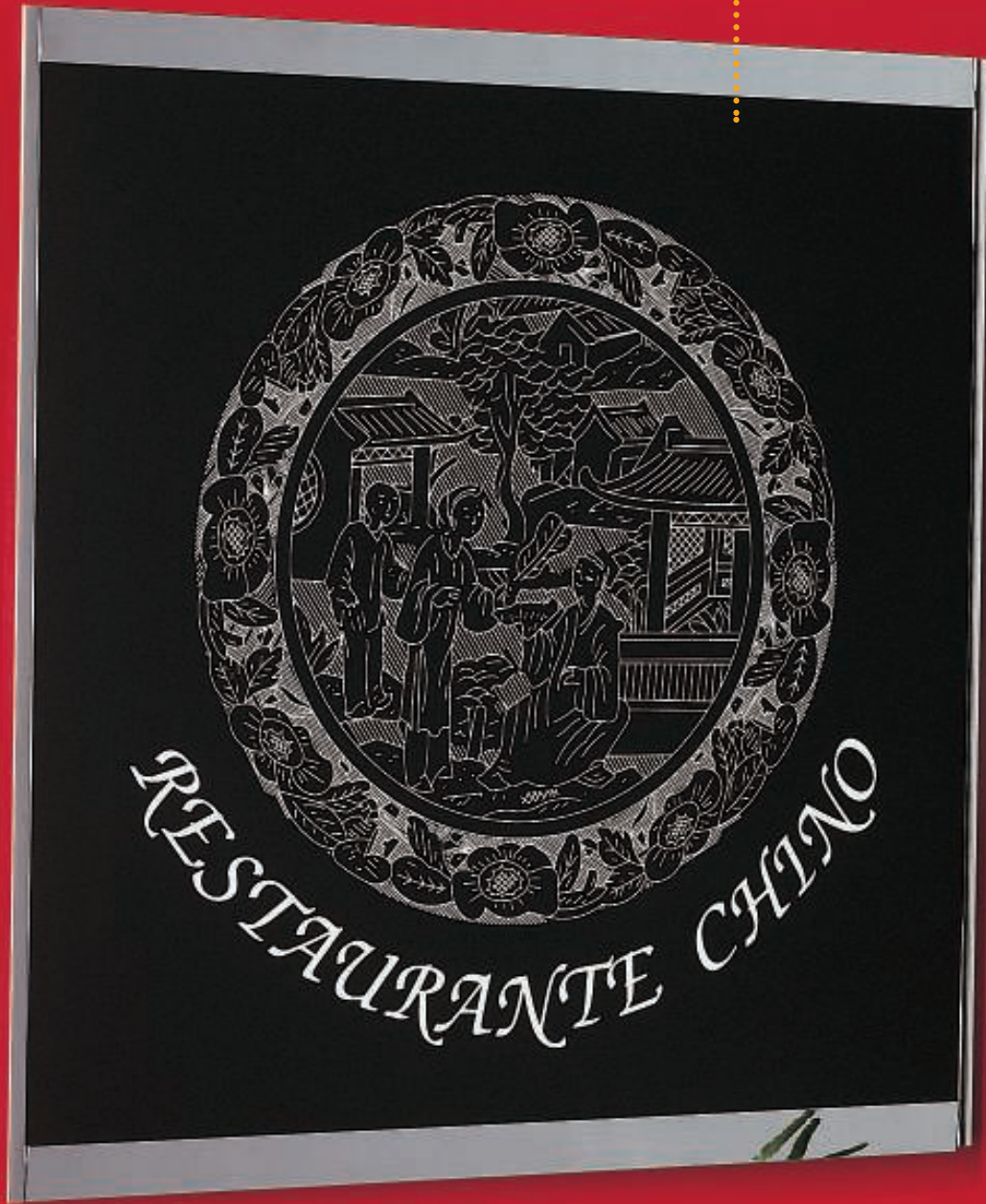


Cut-to-size Service is also
available for our Signage
systems. We will custom
fabricate according to your
specifications.

For more information
contact us.

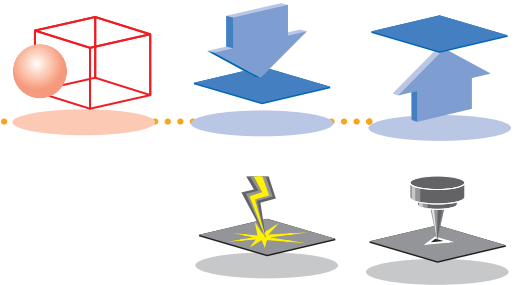


Example ETERNIT'Y



GRAVOPLY ULTRA®

**AVAILABLE
IN SATIN
OR MATT**



- Badges
- Interior and exterior signage

- Satin or Matt finish
- Laserable or rotary engravable
- Unique 0.05mm cap layer for detailed engraving
- UV stable

Specifications

Surface	Satin or Matt
Rotary engraving depth	0.1mm
Thickness	0.5mm, 1.6mm, or 2.4mm
Standard size (mm)	1220 x 610
Composition	DR Acrylic

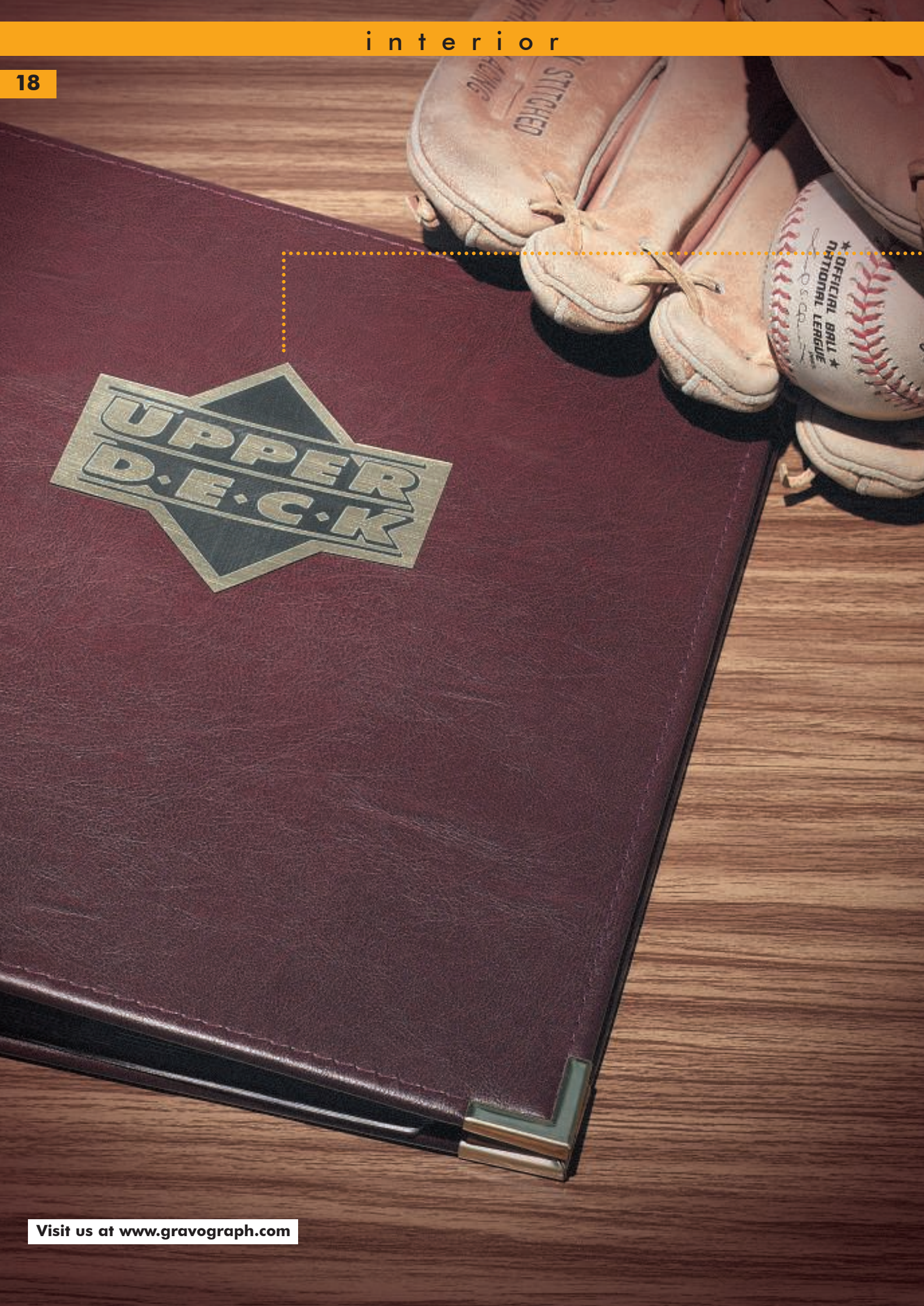
Capabilities Gravoply Ultra

Interior	■	■	Exterior
Shear	■*	■	Saw
Silk screen	■	■	Hot stamp
Scratch resistant		■*	Flexible
Break resistant		■	UV resistant
Min temp		80°C	Max

* 0.5mm thickness is shearable and flexible

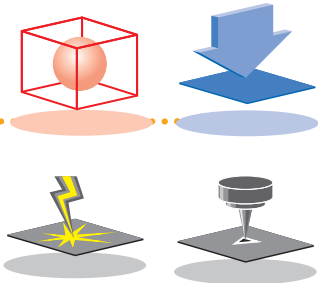
	Surface colour	Core colour	Matt 2-Ply		Satin 2-Ply	
			0.5mm	1.6mm	1.6mm	2.4mm
●	white	black	18946 ■	18984 ■	29507 ■	
○	white	clear	18965 ■	19009 ■		
●	black	clear	18962 ■	19006 ■		
●	black	white	18943 ■	18981 ■	29508 ■	29687 ■
●	blue	white	18952 ■	18990 ■	29510 ■	
●	yellow	black	18955 ■	18993 ■	29511 ■	
●	red	white	18949 ■	18987 ■	29512 ■	
●	green	white	18970 ■	19012 ■	29513 ■	
●	white	red		18997 ■		
●	forest green	white		19001 ■		
●	burgundy	white		18980 ■		
●	black	silvergray		19005 ■		
●	white	blue		18996 ■		
●	royal blue	white		19015 ■		
●	pine green	white		29491 ■		
●	orange	white		19000 ■		
●	navy blue	white		29494 ■		
●	brown	white		29495 ■		
●	red	black		29498 ■		
●	orange	black		29499 ■		
●	matt black	gold	18976 ■	19004 ■		
●	glossy black	gold	18973 ■			
●	royal blue	gold	18942 ■	18979 ■		
●	forest green	gold		18998 ■		
●	red	gold		29503 ■		
●	burgundy	gold	18958 ■	18999 ■		
●	red marble	gold		29505 ■		
●	black marble	gold		29506 ■		

■ carried in stock



GRAVOLASE[®] METALLICS

- Badges
- Interior and exterior signage



- *Metallic finish*
- *Laserable or rotary engravable*
- *0.025mm cap layer for detailed engraving*

	Surface colour	Core colour	Matt 2-Ply	
			0.5mm	1.6mm
●	brushed gold	black	18960 ▪	19002 ▪
●	brushed gold	forest green	18959 ▪	
●	brushed gold	burgundy	18956 ▪	
●	glossy gold	black	29543 ▪	29553 ▪
●	brushed bronze	black	29544 ▪	29554 ▪
●	brushed bronze	white	29545 ▪	29555 ▪
●	copper	black	29546 ▪	29556 ▪
●	brushed silver	blue	18968 ▪	
●	brushed silver	black	18961 ▪	19003 ▪
●	glossy silver	black	29548 ▪	29558 ▪
●	glossy silver	burgundy	29549 ▪	29559 ▪

Specifications

Surface	Metallic
Rotary engraving depth	0.1mm
Thickness	0.5mm or 1.6mm
Standard size (mm)	1220 x 610
Composition	DR Acrylic

Capabilities Grivolase Metallics

Interior	■		Exterior
Shear	■	■	Saw
Silk screen	■	■	Hot stamp
Scratch resistant		■	Flexible
Break resistant			UV resistant
Min temp		80° C	Max temp

▪ carried in stock

Did you know?

We can cut any of our materials into smaller pieces - with or without bevelled edges. Drilled holes are no problem either. Our fabrication department is ready when you are!



GRAVOPLY 1[®]



**23
New
Colours**

- Interior signage
- Industrial identification

- Satin finish for Gravoply 1
- Matt finish for Gravoply Decor
- Engraving depth 0.3mm
- 2-ply or 3-ply
- Many colours and thicknesses

Specifications

Surface	Satin
Profile engraving depth	0.3mm
Standard size (mm)	1220 x 610
Composition	XT/ABS

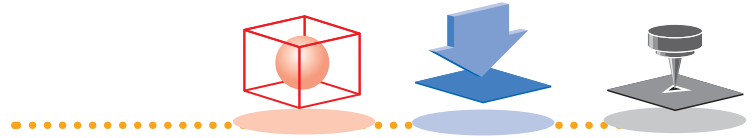
Capabilities

Interior	■		Exterior
Shear	■	■	Saw
Silk screen	■	■	Hot stamp
Scratch resistant	■	■	Flexible
Break resistant	■		UV resistant
Min. temp.	0° C	60° C	Max. temp.

	Surface colour	Core colour	2-ply			3-ply	
			0.8mm	1.6mm	2.4mm	1.6mm	3.2mm
●	white	red	17279 ■	17385 ■	17484 ■		29699
●	white	blue	17284 ■	17396 ■	17489 ■		
●	white	green		17313 ■	17466 ■		
●	white	pine green		29561			
●	white	black	17263 ■	17331 ■	22030 ■	29578 ■	29700
●	almond	burgundy		29562			
●	almond	silver grey		17425 ■			
●	almond	black		17457 ■			
●	ivory	chocolate brown		17310 ■			
●	yellow	white		29564			
●	yellow	blue		17373 ■			
●	yellow	magenta		29565			
●	yellow	black	17273 ■	17366 ■	17478 ■	29579 ■	17525
●	orange	white		17407 ■			
●	orange	black		17404 ■			
●	burnt orange	black	29560	29566			
●	rust	white		17448 ■			
●	red	white	17267 ■	22029 ■	17472 ■	29580 ■	29702
●	red	yellow		17445 ■			
●	red	black		17454 ■			
●	pink	white		30384			
●	burgundy	white		17463 ■			
●	cocoa	white		17419 ■			
●	white	teal		29568			
●	teal	white		29569			
●	new york white	burgundy		29570			
●	new york white	brown		29571			
●	black	silver grey		29572			
●	white	magenta		29573			
●	pine green	almond		29574			
●	white	brown		29575			
●	white	burgundy		29576			
●	pink	magenta		29577			

■ carried in stock

GRAVOPLY[®] 1



- Interior signage
- Industrial identification

- *Satin finish*
- *Engraving depth 0.3mm*
- *2-ply or 3-ply*
- *Many colours and thicknesses*

	Surface colour	Core colour	2-ply			3-ply	
			0.8mm	1.6mm	2.4mm	1.6mm	3.2mm
●	brown	white		17388 ▪	17487 ▪		29703
●	chocolate brown	white		17416 ▪			29704
●	apple green	white	17292 ▪	17442 ▪	17503 ▪	29602 ▪	
●	green	white		17393 ▪			
●	pine green	white		17410 ▪	17495 ▪		
●	blue metallic	white		17363 ▪			
●	azure blue	white	17270 ▪	17353 ▪	17475 ▪	29603 ▪	29705
●	azure blue	yellow		17439 ▪			
●	air force blue	white		17428 ▪	17500		
●	navy blue	white		29581			29706
●	navy blue	silver grey		29582			
●	purple	white		17436 ▪			
●	light grey	black		29583			
●	silver grey	white		29584			
●	silver grey	navy		29585			
●	silver grey	black	17276 ▪	17379 ▪	17481 ▪		
●	silver grey	almond		29586			
●	silver grey	burgundy		29587			
●	metallic grey	white		17376 ▪			
●	black	white	17250 ▪	17319 ▪	17467 ▪	29604 ▪	17521
●	black	yellow		17399 ▪			
●	black	red		29601 ▪			

▪ carried in stock

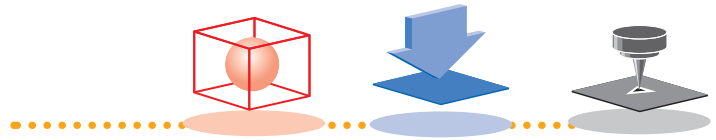
Specifications

Surface	Satin
Profile engraving depth	0.3mm
Standard size (mm)	1220 x 610
Composition	XT/ABS

Capabilities

Interior	■		Exterior
Shear	■	■	Saw
Silk screen	■	■	Hot stamp
Scratch resistant	■	■	Flexible
Break resistant	■		UV resistant
Min. temp.	0° C	60° C	Max. temp.

GRAVOPLY[®] 1 DESIGN



- Interior signage
- Industrial identification

- *Matt finish*
- *Matt cap ensures glare-free finish*

Gravoply[®] Matt Decor

	Surface colour	Core colour	2-ply 1.6mm
●	new york white	slate	29614
●	salmon	burgundy	17235
●	burgundy	salmon	29615
●	candlewick	slate	29616
●	slate	new york white	29617

Gravoply[®] Translucent

	Surface colour	Core colour	2-ply 1.6mm
●	black	translucent white	17295 ■
●	white	translucent red	29618 ■

- carried in stock

Decor Specifications

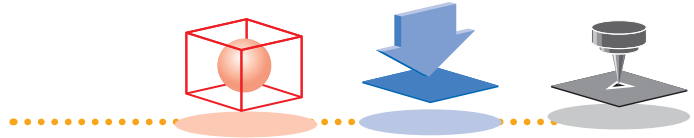
Surface	Matt
Engraving depth	0.3mm
Standard size(mm)	1220 x 610
Composition	XT/ABS

Capabilities

Interior	■		Exterior
Shear	■	■	Saw
Silk screen	■	■	Hot stamp
Scratch resistant	■	■	Flexible
Break resistant	■		UV resistant
Min. temp.	0° C	60° C	Max. temp.



GRAVOPLY[®] 2



- Badges, Labels
- Interior Signage

- Micro-thin surface layer
- Perfect for small characters and detailed logos
- Low glare matt finish

Specifications

Surface	Matt
Profile engraving depth	0.1mm
Standard size (mm)	1220 x 610
Composition	ABS

Capabilities

Interior	■		Exterior
Shear	■	■	Saw
Silk screen	■	■	Hot stamp
Scratch resistant		■	Flexible
Break resistant	■		UV resistant
Min. temp.	0° C	60° C	Max. temp.

DID YOU KNOW?

We can custom manufacture your badges for you, so all you have to do is engrave. Double-sided: available on request in any of the standard colours. Minimum order of 10 sheets applies.

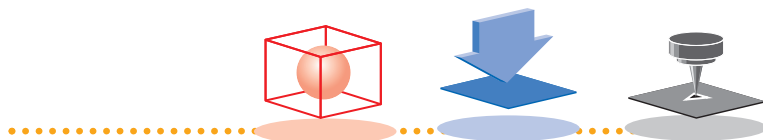


Gravoply 2 products have a laserable foil cap, but their ABS core does not react well to lasering. When engraving with a laser, please take care to not engrave deep into the ABS core.

	Surface colour	Core colour	2-ply		
			0.8mm	1.5mm	2.4mm
●	white	red	21857 ■	21928 ■	21989 ■
●	white	burgundy		21874	
●	white	blue	21841 ■	21908 ■	21973 ■
●	white	black	21850 ■	21919 ■	21982 ■
●	almond	burgundy		29709	
●	almond	black	21855 ■	21926 ■	-
●	yellow	red	-	21913 ■	-
●	yellow	black	21863 ■	21936 ■	21995 ■
●	dark yellow	black	-	21925 ■	-
●	yellow	blue	21828 ■	21896 ■	-
●	red	white	21851 ■	21921 ■	21983 ■
●	red	yellow	-	21910 ■	-
●	burgundy	white	-	21932 ■	-
●	brown	white	21858 ■	21930 ■	-
●	chocolate brown	white	-	21876	-
●	pine green	white	21865 ■	21938 ■	21997 ■
●	pine green	yellow	-	21916 ■	-
●	sky blue	white	21861 ■	21934 ■	21993 ■
●	sky blue	black	-	21895 ■	-
●	azure blue	white	21852 ■	21923 ■	-
●	azure blue	yellow	-	21911 ■	-
●	air force blue	white	-	21907 ■	-
●	pewter	burgundy		29711	
●	grey	white	21856 ■	21927 ■	21988 ■
●	grey	black	-	21915 ■	-
●	pewter	navy		29712	
●	gunmetal	white	-	29713	-
●	black	white	21849 ■	21917 ■	-
●	black	yellow	21866 ■	21940 ■	-
●	apple green	white	-	21905 ■	-
●	shadow blue	white	-	29714	-

- carried in stock
- manufactured to order

GRAVOPLY 2®



- Badges
- Interior Signage

- Gravoply 2 gloss has an extra durable, scratch resistant, glossy cap.
- Micro-thin surface layer
- Perfect for small characters and detailed logos
- Low glare, matt finish on wood, granite and tech patterns



Gravoply 2 Products have a laserable foil cap, but their ABS core does not react well to lasering. When engraving with a laser, please take care to not engrave deep into the ABS core.

Gravoply® 2 **GLOSS** **NEW** The ultimate in scratch resistance!

	Surface colour	Core colour	2-ply 1.5mm
●	white	black	23977 ■
●	white	red	23981 ■
●	yellow	black	23982 ■
●	red	white	23978 ■
●	emerald green	white	23983 ■
●	blue	white	23979 ■
●	grey	white	23980 ■
●	black	white	23976 ■

■ carried in stock

Gravoply® 2 Woods

	Surface colour	Core colour	2-ply 1.5mm
●	satin light walnut	white	21885 ■
●	matt rosewood	white	21878 ■
●	matt american walnut	white	21879 ■
●	satin colonial walnut	white	21880 ■

■ carried in stock

Specifications

Surface	Matt
Profile engraving depth	0.1mm
Standard size (mm)	1220 x 610
Composition	ABS

Capabilities

Interior	■		Exterior
Shear	■	■	Saw
Silk screen	■	■	Hot stamp
Scratch resistant	■	■	Flexible
Break resistant	■		UV resistant
Min. temp.	0° C	60° C	Max. temp.

Gravoply® 2 Granites

	Surface colour	Core colour	2-ply 1.5mm
●	green marble	almond	22026 ■
●	black	gray	22023 ■

■ carried in stock

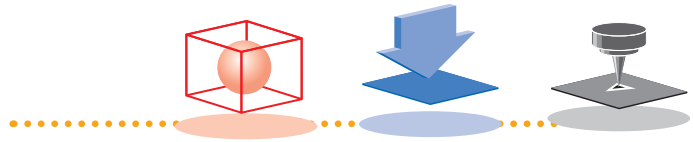
Gravoply® 2 Tech Patterns

	Surface colour	Core colour	2-ply 1.5mm
●	black pinstripe	white	22019 ■
●	silver pinstripe	black	22021 ■
●	black grid	white	22020 ■
●	silver grid	black	22022 ■

■ carried in stock

Visit us at www.gravograph.com

GRAVOPLY® 3C



- Signage
- Plates with logos
- Badges

- This unique material comprises 3 layers for surface engraving
- The colour revealed depends on the depth of the engraving
- 3-colour signs can be made in one pass
- Perfect for notification or logo signs

	Surface colour	Core colour	Core colour	1.6mm	
● ●	white	red	black	23957 ■	
● ●	yellow	red	black	23954 ■	
● ●	apple green	white	black	23953 ■	
● ●	blue	white	black	23956 ■	
● ●	red	white	black	23955 ■	
● ●	blue	red	white	23952 ■	
● ●	yellow	white	black	23949 ■	
● ●	black	red	white	23948 ■	
● ●	radiant gold	black	white	23950 ■	
● ●	brushed aluminum	black	white	23951 ■	

■ carried in stock



"Plus" : Custom Combinations

Custom color combinations are available, with minimum quantities as low as 10 full sheets in many cases. Delivery time may vary. Please call our office for more details or an actual quote.

Specifications

Surface	Matt
Engraving depth	0.1mm 0.3mm
Standard size (mm)	1220 x 600
Composition	XT/ABS

Capabilities

Interior	■		Exterior
Shear	■	■	Saw
Silk screen	■	■	Hot stamp
Scratch resistant	■	■	Flexible
Break resistant	■		UV resistant
Min. temp.	0° C	60° C	Max. temp.





GRAVO-TAC™ **NEW**

"The Gravograph Solution to create Braille Signage" - ask for your free leaflet today



• Braille and Tactile Signs

- 1.0mm profile material available with or without adhesives
- 1.6mm single-ply profile for backplate material
- Depth of profiling for 1.0mm material: 1.1mm

Surface colour	1-Ply	
	1.0mm profile	1.6mm profile
bright white	28372 ▪	29879 ▪
white	28365 ▪	29880 ▪
almond	28370 ▪	29882 ▪
yellow	28368 ▪	29883 ▪
red	28361 ▪	29885 ▪
burgundy	28373 ▪	29888 ▪
taupe	28362 ▪	29890 ▪
chocolate brown	28375 ▪	29892 ▪
pine green	28366 ▪	29895 ▪
metallic blue	28360 ▪	29896 ▪
azure blue	28369 ▪	29897 ▪
navy blue	28363 ▪	29898 ▪
candlewick	28374 ▪	29899 ▪
silver grey	28364 ▪	29900 ▪
slate	28367 ▪	29901 ▪
black	28371 ▪	29902 ▪

DID YOU KNOW?

Specific colours: available on request. Please ask for additional information.

▪ carried in stock

Specifications

Surface	Matt
Profile Engraving Depth	1.1mm
Standard size (mm)	1220 x 610
Composition	ABS

Capabilities

Interior	■		Exterior
Shear	■	■	Saw
Silk screen	■	■	Hot stamp
Scratch resistant	■	■	Flexible
Break resistant	■		UV resistant
Min. temp.		60° C	Max. temp.

The Gravo-Tac-System



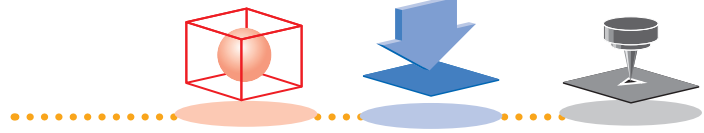
Step 1 Cut out the profile **Step 2** Take off the profile **Step 3** You have your sign



Exterior Gravo-Tac available by special request in 0.8mm and 1.6mm thicknesses.



METALLEX®



The ultimate in scratch resistance!

Metallex®

	Surface colour	Core colour	2-ply 1.5mm
●	glossy silver	black	23972 ■
●	brushed aluminum	black	23974 ■
●	european gold	black	23975 ■
●	glossy gold	black	23971 ■
●	brushed gold	black	23973 ■

■ carried in stock

Metallex®

	Surface	Engraving	0.8 mm	1.5 mm	2.4 mm
●	brushed gold	black	21824 ■	21888 ■	21956 ■
●	glossy gold	black	21822 ■	21886 ■	21954 ■
●	new gold	black	21846 ■	21914 ■	21978 ■
●	glossy gold	red	–	21901 ■	–
●	european gold	black	21836 ■	21903 ■	21969 ■
●	brushed alumin.	black	21830 ■	21898 ■	21965 ■
●	brushed alumin.	red	–	21906 ■	–
●	glossy silver	black	21823 ■	21887 ■	21955 ■
●	glossy silver	blue	–	21900 ■	–
●	glossy silver	red	–	21902 ■	–
●	brushed silver	black	21825 ■	21889 ■	21957 ■
●	brushed bronze	white	21826 ■	21890 ■	–

■ carried in stock

Metallex® 2

	Surface	Engraving	0.8 mm	1.5 mm	2.4 mm
●	mat aluminum	black	21867 ■	21941 ■	21999 ■
●	mat aluminum	red	21868 ■	21942 ■	–
●	glossy aluminum	black	21871 ■	21945 ■	22002 ■
●	brushed aluminum	black	21869 ■	21943 ■	22000 ■

■ carried in stock

- manufactured to order - contact us for details

• Badges

• Plaques

- Metallex Gloss has an extra durable, scratch resistant, glossy cap.
- 2-ply silver and gold
- Available in glossy and matt finishes
- Micro-thin surface layer

Specifications

Surface	Glossy/Matt/Brushed
Profile engraving depth	0.1mm
Standard size (mm)	1220 x 610
Composition	ABS

Capabilities

Interior	■	■	Exterior
Shear	■	■	Saw
Silk screen	■	■	Hot stamp
Scratch resistant		■	Flexible
Break resistant	■		UV resistant
Min. temp.	0° C	60° C	Max. temp.



Metallex products have a laserable foil cap, but their ABS core does not react well to laser. When engraving with a laser, please take care to not engrave deep into the ABS core.

STICKALASE

ADHESIVE MATERIAL FOR LABELS

- Labels
- Bar code
- Trophy Plates

Available in black/white or silver/black, this adhesive backed, laserable plastic is perfect for bar code, barcodes on pipes and tubes labelling, ID plates or trophy plates. Use your CO2 laser engraving machine to engrave and/or vector cut custom shapes from flexible and durable material.

Specifications

Surface	Matt
Thickness	0.09mm
Standard size	120 mm x 10 m

Capabilities

Interior	■		Exterior
Shear	■		Saw
Silk screen	■		Hot stamp
Scratch resistant	■	■	Flexible
Break resistant	■		UV resistant
Min. temp.	0° C	60° C	Max. temp.

RUBBALASE

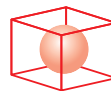
- Rubber Stamps

Natural rubber sold in A4 size sheets, exclusive for lasering with CO2 laser engraving machines to create inking stamps. Grey in color. 2.2mm in thickness.

Rubbalase A4 Sheet

Ref: 19897 -

Visit us at www.gravograph.com



	Surface colour	Core colour	0.09mm
●	black	white	19871 -
●	silver	black	19872 -

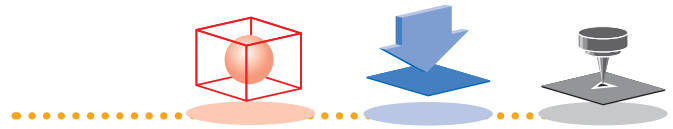
■ carried in stock



■ carried in stock



GRAVOSTRAT®



Industrial Identification

- Glossy finish*
- 3-ply
- Resistant to chemicals and solvents
- Photoluminescent Gravostrat : for safety identification
- Electrically non-conductive and abrasion resistant
- Saw cut only

* Velvet finish for Photoluminescent only.

Specifications

Surface	Glossy/Velvet
Profile engraving depth	0.3mm
Standard size (mm)	1220 x 605
Composition	Stratified Phenolic

Capabilities

Interior	■		Exterior
Shear		■	Saw
Silk screen	■		Hot stamp
Scratch resistant	■		Flexible
Break resistant			UV resistant
Min. temp.	0° C	60° C	Max. temp.

	Surface colour	Core colour	1.0 mm*	1.5 mm*	2.4 mm**
●	white	black	30385	22042 ▪	22049 ▪
●	white	blue		18496 ▪	18516 ▪
●	white	red		22045 ▪	22052 ▪
●	ivory	black		18500 ▪	18520 ▪
●	yellow	black	30389	22044 ▪	22051 ▪
●	red	white	30390	22043 ▪	22050 ▪
●	orange	white		18492 ▪	18512 ▪
●	green	white	30392	22046 ▪	22053 ▪
●	blue	white	30393	18489 ▪	18509 ▪
●	black	yellow		18498 ▪	18518 ▪
●	black	white	30395	22041 ▪	22048 ▪
●	grey	black		22047 ▪	22054 ▪

* ± 0.15 mm
** ± 0.18 mm

	Surface	Engraving	1.2mm
●	photoluminescent	brown	18525 ▪

Size: 605 x 605 mm

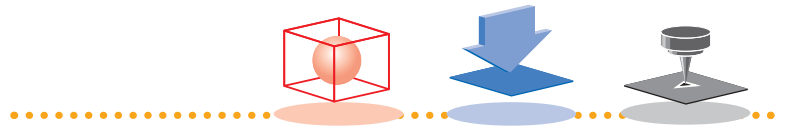
▪ carried in stock



This material can be engraved but not cut by laser.



GRAVOMETALL



- Professional plaques
- Interior signage
- Award plates
- Glossy, satin or matt
- Diamond, rotary or laser engraving
- Use Gravoxide for contrasting letter color
- Pre-polished and lacquered

	Surface colour	Glossy			Satin			Matt	
		0.5 mm	0.6 mm	1.2 mm	0.5 mm	0.6 mm	1.2 mm	1.6 mm	0.6 mm
	gold	18407 ▪	18417 ▪	18435 ▪		18423 ▪	18438 ▪	18441 ▪	
	bronze				18411 ▪				
	black	18402 ▪							18414 ▪
	silver					18429 ▪			
	silver		18420 ▪						

▪ carried in stock

Specifications

Surface	Glossy, Satin or Matt
Profile engraving depth	0.3 mm for painting 0.1mm with Gravoxide
Standard size (mm)	1220 x 305
Composition	Brass

Capabilities

Interior	■			Exterior
Shear	■	■		Saw
Silk screen	■			Hot stamp
Scratch resistant				Flexible
Break resistant	■			UV resistant
Min. temp.	-40° C	100° C		Max. temp.



Only black is laser engravable

Visit us at www.gravograph.com



GRAVOBRASS EXTERIOR



- High class signage
- Ornamental plates
- Company name plates

	Surface colour	1.0mm	1.5mm	2.0mm	3.0mm	4.0mm
●	shiny polished brass	22032 ■	22034 ■	22036 ■	22038 ■	22040 ■
●	solid brass	22031 ■	22033 ■	22035 ■	22037 ■	22039 ■

■ carried in stock

- Shiny polished or solid finish
- A solid watchmaker's quality brass

Specifications

Surface	Solid or polished
Profile engraving depth	0.3 mm with paint
Standard size (mm)	1340 x 670
Composition	Brass
Coloring	Gravolaque

Capabilities

Interior	■	■	Exterior
Shear	■*	■	Saw
Silk screen	■		Hot stamp
Scratch resistant			Flexible
Break resistant	■	■	UV resistant
Min. temp.	-40° C	100° C	Max. temp.

* For 1.0 thickness only

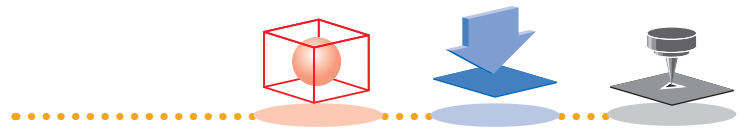
**This brass product will oxidize with age in an outdoor environment. If this look is not desired, it will be necessary to coat the entire surface with a protective layer of clear lacquer after engraving.



GRAVOSTRAL®

Professional interior signage

- One product with two finishes
- One side is matt silver and the other is brushed gold
- Aluminum cap with a black phenolic core
- Black core eliminates the need for a colour fill



	Surface colour	Core colour	1.5mm	3.0mm
●	gold/silver	black	18472 ■	18482 ■
●	gold	black		
●	silver	black		

■ carried in stock

Specifications

Surface	Satin or Matt
Profile engraving depth	0.3mm
Standard size (mm)	1220 x 605
Composition	Aluminum/Phenolic

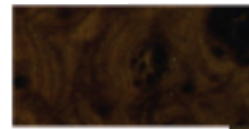
Capabilities

Interior	■		Exterior
Shear		■	Saw
Silk screen	■		Hot stamp
Scratch resistant	■		Flexible
Break resistant			UV resistant
Min. temp.	0° C	60° C	Max. temp.

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Walnut



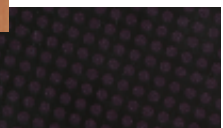
Teak



Meleeze



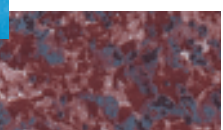
Carbon Fiber



Oceano



Granito Rosso



Marmo Azzurro



Marmo Rosso



ALU DESIGN



• Professional Signage

• Entrance Nameplates

- Walnut, Teak and Meleeze can even be used in exterior applications
- When saw cutting, place material face down to protect finish

Surface colour	1.5mm
walnut	19048 ■
teak	19049 ■
meleeze	19044 ■
carbon fiber	19047 ■
oceano	19051 ■
granito rosso	19050 ■
marmo azzurro	19046 ■
marmo rosso	19045 ■

■ on stock

Specifications

Surface	Varies
Engraving depth	0.1mm
Standard size (mm)	990 x 500
Composition	Aluminum

Capabilities

Interior	■	■*	Exterior
Shear		■	Saw
Silk screen			Hot stamp
Scratch resistant			Flexible
Break resistant	■	■*	UV resistant
Min. temp.	-40° C	50° C	Max. temp.

* Walnut, teak and meleeze only.



GRAVOXAL

ANODISED ALUMINUM

- Control panels
- Legend plates

• For rotary or laser engraving**

Specifications

Surface	Matt or Glossy
Profile engraving depth	0.1mm
Standard size: (mm)	2000 x 1000 1000 x 500
Composition	Aluminum

Capabilities

Interior	■	■	Exterior
Shear	■	■	Saw
Silk screen	■		Hot stamp
Scratch resistant	■		Flexible
Break resistant	■	■	UV resistant
Min. temp.	-40° C	100° C	Max. temp.



matt

	Surface colour	0.5 mm	1.0 mm	1.5 mm	2.0 mm	2.5 mm	3.0 mm	4.0 mm
●	silver	18385	22055	18386	22057	18387	22059	18388
●	gold	18571	18575	18589	18603		18616	
●	red		18577	18591	18605			
●	blue		18579	18593	18679			
●	champagne		18581	18595	18608			
●	green		18583	18597	18610			
●	bronze		18585	18599	18612			
●	black	18569	18573	18587	18601		18614	

glossy

	Surface	1.0 mm	1.5 mm	2.0 mm
●	silver	18618	18646	18668
●	gold	18630	18654	18674
●	red	18636	18658	18677
●	blue	18638	18660	18679
●	champagne	18640	18662	18681
●	green	18642	18664	18683
●	bronze	18644	18666	18685
●	black	18624	18650	18671
●	steel-look	30381	30382	30383

■ carried in stock

* Silver colours are anodised on both sides due to the continuous anodisation process

** Laser engraving for coloured material only. Quality of engraving may vary by colour. Use GravoLaque to colour any GravoXal engraving. AloXide may be used to colour Glossy finish only.

NEW GRAVOXAL PREMIUM: The double sided anodised aluminium. Contact us for additional information

ALUMILAZ

NEW



- ID plates
- Bar codes
- Procedural labels
- Control panels

Specifications

Surface	Satin or Matt	
Standard size: 0.5mm	508mm x 610mm	
0.127mm	254mm x 305mm	
Composition	Aluminum	

Capabilities

Interior	■		Exterior
Shear	■		Saw
Silk screen	■	■	Hot stamp
Scratch resistant	■	■	Flexible
Break resistant	■		UV resistant
Min. temp.	0° C	100° C	Max. temp.



	Surface colour	0.127mm	0.5mm
●	satın silver		27417 ■
●	satın silver with adhesive	27414 ■	27419 ■
●	mat silver		27418 ■
●	mat silver with adhesive	27413 ■	27420 ■
●	satın gold		27415 ■
●	satın gold with adhesive		27416 ■

■ carried in stock

This special line of gold and silver anodized aluminium produces black characters when lasered with any standard CO2 laser engraver. No oxidation or paint fill needed.

STEEL DESIGN

NEW

- Trophies and plaques
- Gold lettering

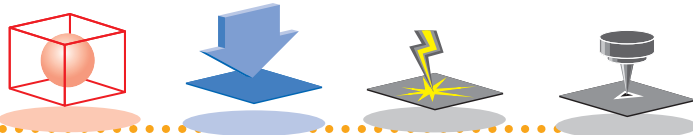
- Satin or glossy finish
- Laser or rotary engraving
- Brass plated steel

Specifications

Surface	Satin or Glossy	
Thickness	0.38mm	
Standard size (mm)	610 x 305	
Composition	Brass Plated Steel	
Burnishing depth	0.05mm	

Capabilities

Interior	■		Exterior
Shear	■		Saw
Silk screen	■		Hot stamp
Scratch resistant	■		Flexible
Break resistant	■		UV resistant



Coloured Steel (Sublimatable)*

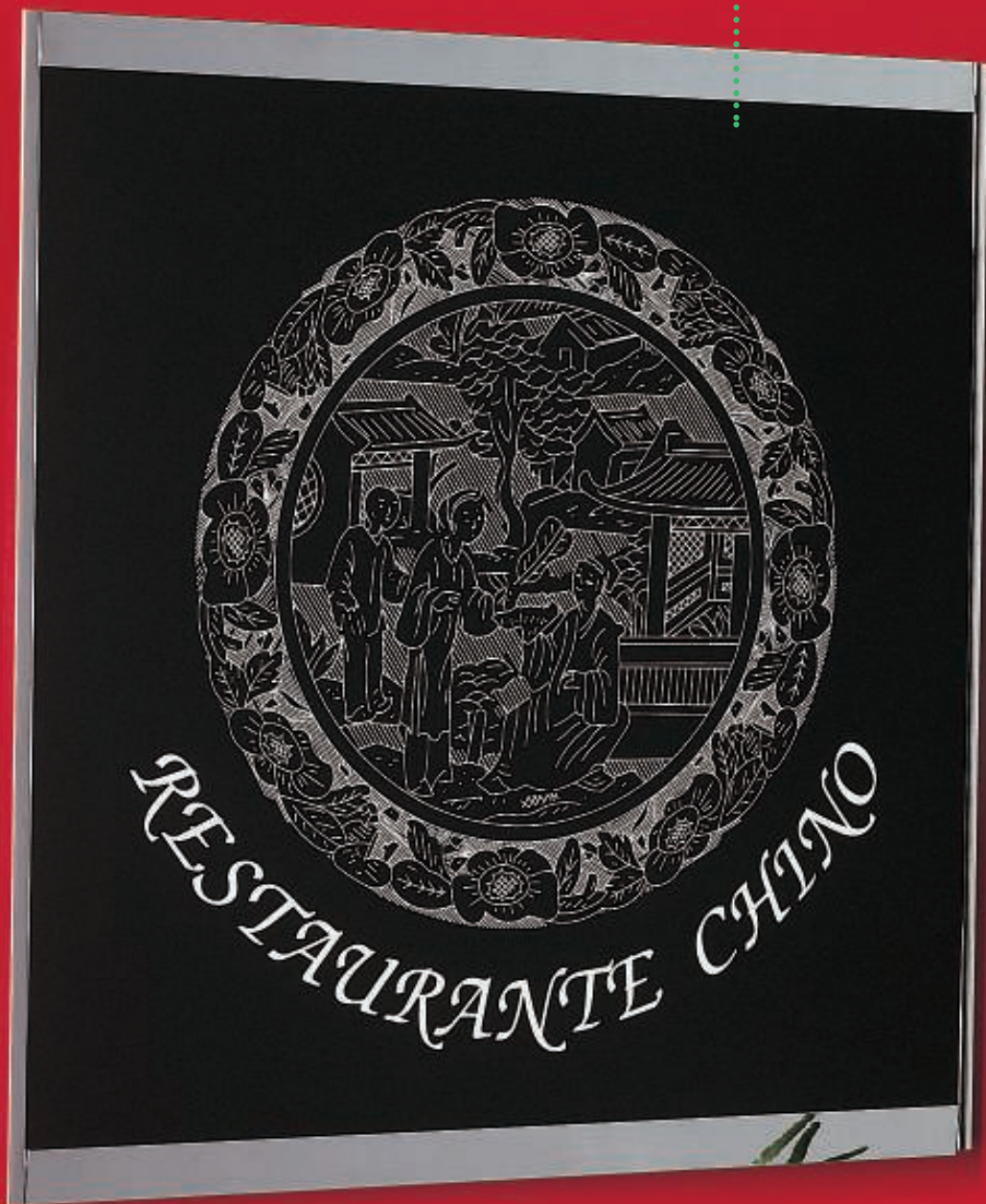
	Colour	0.38mm
	satın gold	27421 ■
	glossy black	27422 ■
	glossy purple	27423 ■
	glossy dark green	27424 ■
	glossy blue	27425 ■
	glossy red	27426 ■
	glossy royal blue	27427 ■
	glossy white	27428 ■

* Our sublimatable metals feature clear protective masking.

■ carried in stock

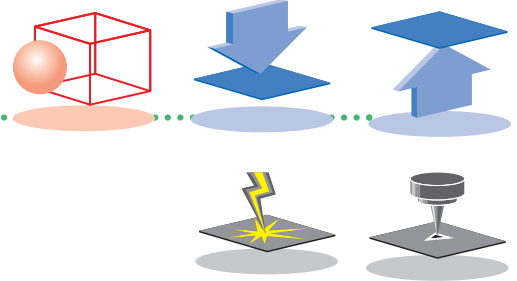
Marbled Steel

	Colour	0.38mm
	blue marble	27429 ■
	green marble	27431 ■
	red marble	27432 ■
	teal marble	27433 ■
	black marble	27434 ■



GRAVOPLY ULTRA®

**AVAILABLE
IN SATIN
OR MATT**



- Badges
- Interior and exterior signage

- Satin or Matt finish
- Laserable or rotary engravable
- Unique 0.05mm cap layer for detailed engraving
- UV stable

Specifications

Surface	Satin or Matt
Rotary engraving depth	0.1mm
Thickness	0.5mm, 1.6mm, or 2.4mm
Standard size (mm)	1220 x 610
Composition	DR Acrylic

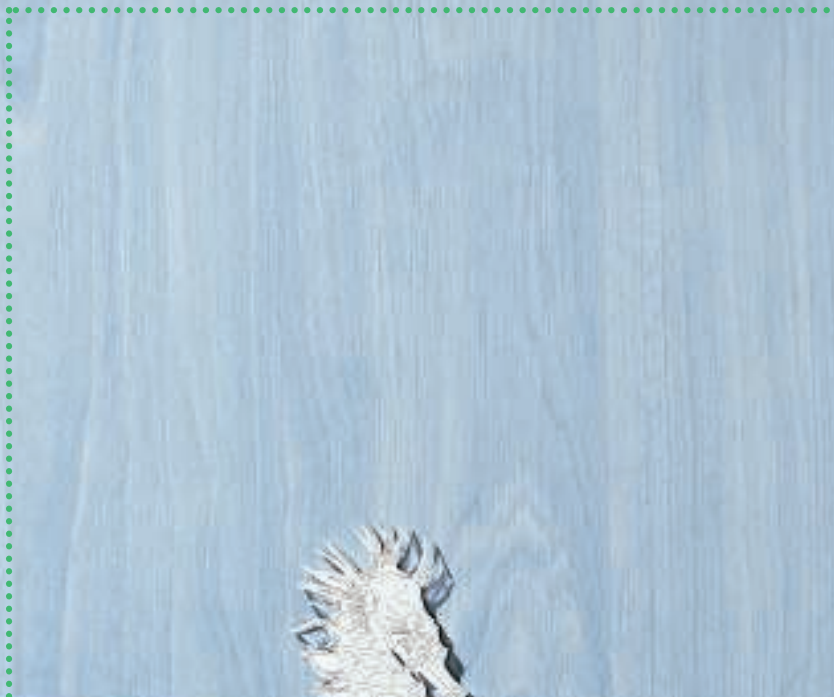
Capabilities Gravoply Ultra

Interior	■	■	Exterior
Shear	■*	■	Saw
Silk screen	■	■	Hot stamp
Scratch resistant	■	■*	Flexible
Break resistant		■	UV resistant
Min temp		80°C	Max

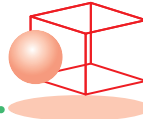
* 0.5mm thickness is shearable and flexible

	Surface colour	Core colour	Matte 2-Ply		Satin 2-ply	
			0.5mm	1.6mm	1.6mm	2.4mm
●	white	black	18946 ■	18984 ■	29507 ■	
○	white	clear	18965 ■	19009 ■		
●	black	clear	18962 ■	19006 ■		
●	black	white	18943 ■	18981 ■	29508 ■	29687 ■
●	blue	white	18952 ■	18990 ■	29510 ■	
●	yellow	black	18955 ■	18993 ■	29511 ■	
●	red	white	18949 ■	18987 ■	29512 ■	
●	green	white	18970 ■	19012 ■	29513 ■	
●	white	red		18997 ■		
●	forest green	white		19001 ■		
●	burgundy	white		18980 ■		
●	black	silver grey		19005 ■		
●	white	blue		18996 ■		
●	royal blue	white		19015 ■		
●	pine green	white		29491 ■		
●	orange	white		19000 ■		
●	navy blue	white		29494 ■		
●	brown	white		29495 ■		
●	red	black		29498 ■		
●	orange	black		29499 ■		
●	matte black	gold	18976 ■	19004 ■		
●	glossy black	gold	18973 ■			
●	royal blue	gold	18942 ■	18979 ■		
●	forest green	gold		18998 ■		
●	red	gold		29503 ■		
●	burgundy	gold	18958 ■	18999 ■		
●	red marble	gold		29505 ■		
●	black marble	gold		29506 ■		

■ carried in stock



GRAVOGLAS 1



**6
New
Colours**

- Outdoor signage
- Professional name plates

- Glossy finish
- Excellent outdoor resistance
- A fine silk-screened layer
- Sub-surface engraving
- Resistant to chemical agents
- A range of 18 bright colours

Specifications

Surface	Glossy
Rotary engraving depth	0.2mm
Standard size (mm)	1220 x 610
Composition	Acrylic PMMA
Coloration	Gravolaque

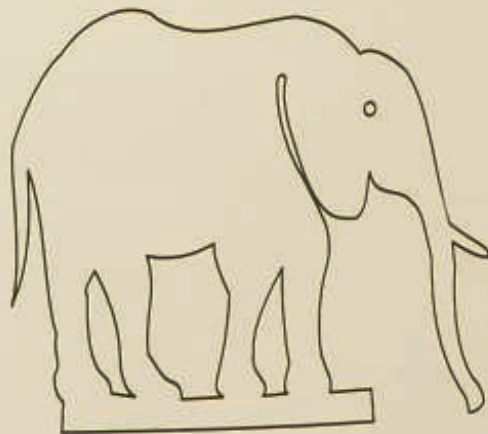
	Surface colour	Core colour	1.5mm	3.0mm	5.0mm
●	black	clear	18138 ■	18183 ■	18261 ■
●	white	clear	18141 ■	18193 ■	18264 ■
●	light grey	clear	18177 ■		
●	red	clear		18201 ■	18267 ■
●	blue	clear		18207 ■	18270 ■
●	light blue	clear	18179 ■		
●	sky blue	clear		18214 ■	18273 ■
●	purple	clear	18132 ■		
●	golden yellow	clear	18130 ■		
●	yellow	clear		18217 ■	18276 ■
●	moss green	clear	18136 ■		
●	green	clear		18223 ■	18282 ■
●	garden green	clear		18229 ■	18285 ■
●	burgundy	clear		18232 ■	18287 ■
●	gold	clear	18168 ■	18235 ■	18290 ■
●	slate	clear	18171 ■	18244 ■	18293 ■
●	old gold	clear	18174 ■	18252 ■	18296 ■
●	brown	clear	18134 ■		

■ carried in stock

Capabilities

Interior	■	■	Exterior
Shear		■	Saw
Silk screen	■	■	Hot stamp
Scratch resistant	■		Flexible
Break resistant		■	UV resistant
Min. temp.	-40° C	80° C	Max. temp.

ÉLÉPHANT D'AFRIQUE (Loxodonta Africana)



Famille : Elephantidès
Taille : 3 à 4 m
Poids : 7 tonnes
Gestation : 22 mois
Longévité : 60 ans

Origine : Afrique
Habitat : de la savane
à la forêt

Avec ses 4 m de hauteur
c'est le plus grand animal
Ses défenses peuvent être
long et peser plus de 100 kg
les spécimens les plus grands

Ce géant pacifique est
l'homme qui le chasse pour
et sa chair alors c'est
traités internationalement

GRAVOGLAS[®] 2

SURFACE ENGRAVING

13 New Colours



- Exterior signage
- Professional plates
- Outdoor directories

- 3 surface choices
- Indoor or outdoor
- UV stable
- Flexible modified acrylic with cap and core permanently fused

Matt

	Surface colour	Core colour	2-Ply		3-Ply
			1.6mm	3.2mm	3.2mm
●	white	red	29627		
●	white	azure blue	29628 ■		
●	white	black	17875 ■	29904 ■	29912
●	eggshell	verde	29630		
●	cream	verde	29632		
●	yellow	black	17881 ■		
●	orange	black	29633		
●	red	white	17877 ■	29905 ■	
●	bordeaux	cream	29634		
●	taupe	eggshell	29635		
●	chocolate brown	white	29636		
●	teal	white	29637		
●	apple green	white	17885 ■	29906	
●	verde	eggshell	29639		
●	verde	cream	29640		
●	metallic blue	white	29641		
●	azure blue	white	17879 ■	29907 ■	
●	silver gray	black	17887 ■	29908	
●	gold	black	29642 ■	29910 ■	
●	black	white	17873 ■	29911 ■	29913
●	black	gold	29643 ■		

■ carried in stock

Specifications

Surface	Matt
Engraving depth	0.3mm
Standard size (mm)	1220 x 610
Composition	DR Acrylic

Capabilities

Interior	■	■	Exterior
Shear		■	Saw
Silk screen	■	■	Hot stamp
Scratch resistant	■		Flexible
Break resistant		■	UV resistant
Min. temp.	-40° C	80° C	Max. temp.

GRAVOGLAS[®] 2

SURFACE ENGRAVING

4 New Colours



- Exterior signage
- Professional plates
- Outdoor directories

- 2 surface choices
- Indoor or outdoor
- UV stable
- Flexible modified acrylic with cap and core permanently fused

Glossy

	Surface colour	Core colour	2-Ply		3-ply
			1.6mm	3.2mm	3.2mm
●	white	red	17907 ■	18063 ■	
●	white	azure blue	17904 ■		
●	white	black	17892 ■	18051 ■	29914
●	red	white	17895 ■	18054 ■	
●	burgundy	white	17913 ■	18069 ■	
●	brown	white	29644 ■		
●	chocolate brown	white	29645	29650	
●	yellow	black	17901 ■	18060 ■	
●	apple green	white	17910 ■	18066 ■	
●	emerald green	white	17918 ■	18072 ■	
●	metallic blue	white	29646		
●	azure blue	white	17898 ■	18057 ■	
●	royal blue	white	29647 ■		
●	gold	black	17927 ■	18075 ■	
●	silver	black	17930 ■		
●	copper	black	17924 ■		
●	black	white	17889 ■	18048 ■	29915
●	black	gold	17933 ■	18080 ■	

■ carried in stock

Specifications

Surface	Glossy, Textured
Profile engraving depth	0.3mm
Standard size (mm)	1220 x 610
Composition	DR Acrylic

Capabilities

Interior	■	■	Exterior
Shear		■	Saw
Silk screen	■	■	Hot stamp
Scratch resistant	■		Flexible
Break resistant		■	UV resistant
Min. temp.	-40° C	80° C	Max. temp.

Textured

	Surface colour	Core colour	2-Ply	
			1.6mm	
●	white	black	18304 ■	
●	white	red	18325 ■	
●	white	esmerald green	18337 ■	
●	almond	black	18316 ■	
●	ivory	chocolate brown	18346 ■	
●	yellow	black	18334 ■	
●	red	white	18307 ■	
●	emerald green	white	18343 ■	
●	blue	white	18310 ■	
●	american blue	white	18313 ■	
●	silver grey	black	18322 ■	
●	grey	white	18319 ■	
●	black	white	18301 ■	

■ carried in stock

Visit us at www.gravograph.com

GRAVOGLAS[®] 2

SUBSURFACE ENGRAVING

15 New Colours



- Exterior signage
- Professional plates
- Outdoor directories

- 3 surface choices
- Indoor or outdoor
- UV stable
- Flexible modified acrylic with cap and core permanently fused

Specifications

Surface	Matt, Glossy
Engraving depth	0.3mm
Standard size (mm)	1220 x 610
Composition	DR Acrylic

Capabilities

Interior	■	■	Exterior
Shear		■	Saw
Silk screen	■	■	Hot stamp
Scratch resistant	■		Flexible
Break resistant		■	UV resistant
Min. temp.	-40° C	80° C	Max. temp.

Glossy

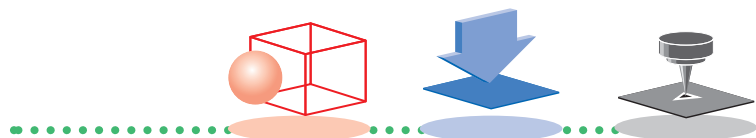
	Surface colour	Core colour	2-Ply		
			1.6mm	3.2mm	4.8mm
○	clear	clear	29655 ■	29657 ■	
○	white	clear	17988 ■	18021	18101 ■
○	almond	clear	17935 ■	18015 ■	
●	yellow	clear	18003 ■	18036 ■	18116 ■
●	red	clear	17997 ■	18030 ■	18110 ■
●	burgundy	clear		18039 ■	
●	airforce blue	clear	17938 ■	18018 ■	18098
●	azure blue	clear		18033 ■	
●	garden green	clear		18045 ■	
●	silver grey	clear	29656 ■		
●	silver	clear	17985 ■	18093 ■	
●	gold	clear	17982 ■	18091 ■	
●	chocolate brown	clear	17994 ■		
●	black	clear	17991 ■	18024 ■	18104 ■

Matt

	Surface colour	Core colour	2-Ply	
				1.6mm
○	clear	clear	17941 ■	18082 ■
○	white	clear	17947 ■	18086 ■
○	almond	clear	17958 ■	
○	cream	clear	29658	
○	yellow	clear	17956 ■	
●	red	clear	17950 ■	18088 ■
●	bordeaux	clear	29659	
●	burgundy	clear	17976 ■	
●	cocoa	clear	29660	
●	taupe	clear	29661	
●	chocolate brown	clear	17970 ■	
●	apple green	clear	17973 ■	
●	verde	clear	29662	
●	azure blue	clear	17953 ■	
●	american blue	clear	29663	
●	sky blue	clear	29664	
●	royal blue	clear	29665	
●	metallic blue	clear	29666	
●	silver grey	clear	17961 ■	
●	slate	clear	29667	
●	bronze	clear	29668	
●	silver	clear	29669 ■	
●	gold	clear	29670 ■	
●	black	clear	17944 ■	18084 ■

■ carried in stock

GRAVOFOIL



- Industrial signage
- Permanent labels
- Marking on pipes
- Marking on curved or angular surface

- *Matt finish*
- *Very flexible*
- *Interior or exterior*
- *Very resistant to acids and solvents*
- *An assortment of 13 colours*
- *Comes with adhesive back only*

	Surface colour	Core colour	0.2mm	
●	white	black	18448 ■	
●	black	white	18446 ■	
●	blue	white	18452 ■	
●	purple	white	18469 ■	
●	yellow	black	18456 ■	
●	brown	white	18458 ■	
●	red	white	18450 ■	
●	green	white	18460 ■	
●	grey	white	18454 ■	
●	orange	black	18462 ■	
●	gold	black	18464 ■	
●	silver	black	21811 ■	
●	copper	black	18467 ■	

■ carried in stock

Specifications

Surface	Matt
Engraving Depth	0.025mm
Standard size (mm)	660 x 480
Composition	PVC

Capabilities

Interior	■	■	Exterior
Shear	■		Saw
Silk screen	■		Hot stamp
Scratch resistant		■	Flexible
Break resistant	■	■	UV resistant
Min. temp.	-20° C	70° C	Max. temp.

Warning: This product should never be engraved with a laser engraver as it will produce harmful fumes.



SIGNAGE

The modular solution

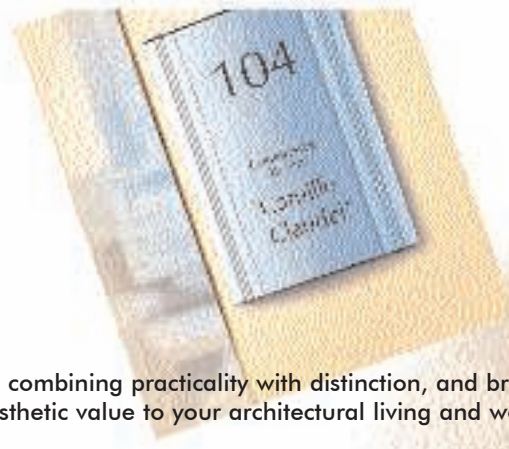
SIGNAGE to meet all your signage needs in public, professional and residential environments.

SIGNAGE is synonymous with modularity, design and durability, perfected through on-going research and intense product development

SIGNAGE combining practicality with distinction, and bringing added aesthetic value to your architectural living and working space.

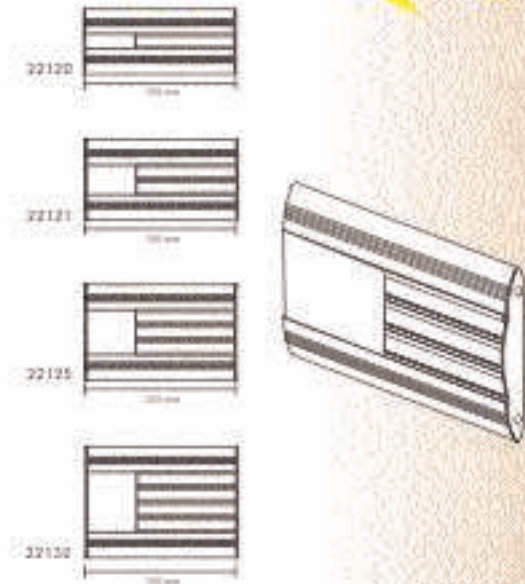
SIGNAGE drawn from 8 different product lines, each with its own character and field of application. Made-to-measure solutions also offered.

The follow pages are an overview of our complete signage solution. For further information, please contact us.



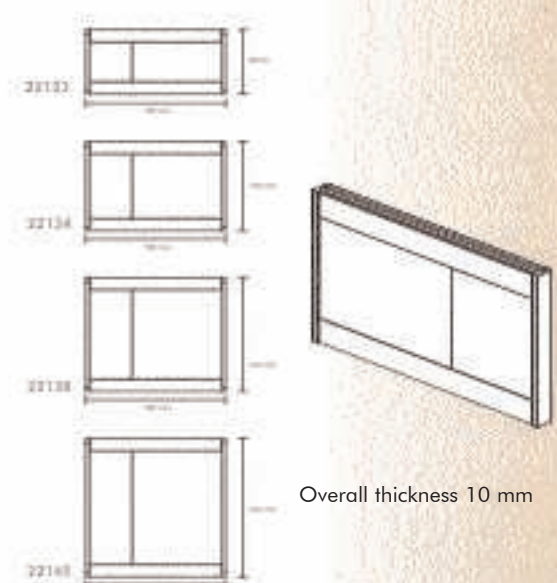
Curved door plates Eternit'y

A stylish frame especially designed for modularity and interchangeability.



Door plate with window Eternit'y

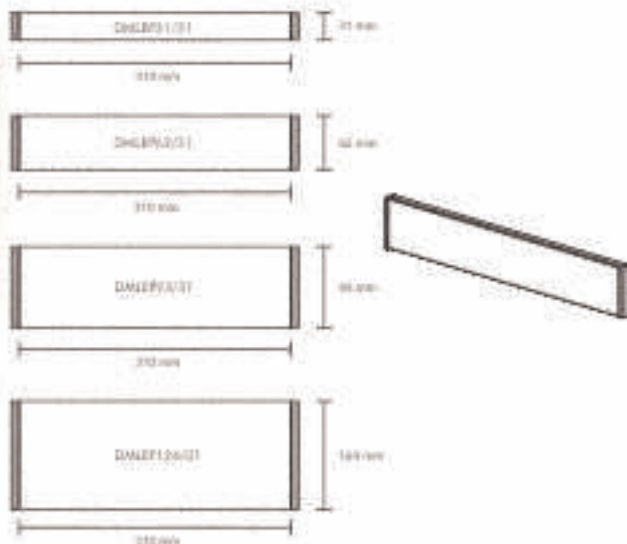
A clear window, ideal for your temporary signage



Overall thickness 10 mm

SIGNAGE

The modular solution



Wall frame Eternit'y

Interior signage programmes especially designed for building with large numbers of visitors. Applications: Survey boards, zone indication directories etc.

Overall thickness 10 mm



Picto Eternit'y

Available in a wide range of dimensions.

Overall thickness 10 mm

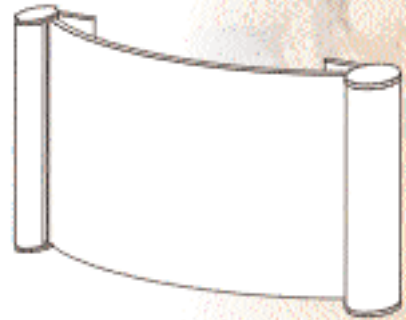
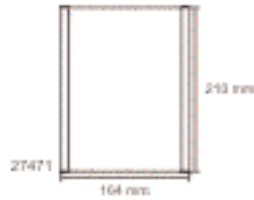
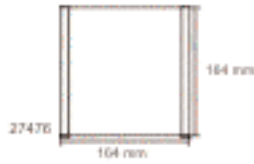
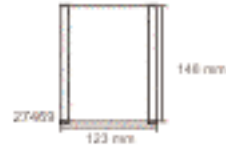
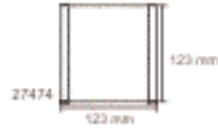
SIGNAGE

The modular solution



JazZ'YR

Holds inserts of 1.6 mm thick Gravoply, or two layers of 0.8 mm Gravoply.

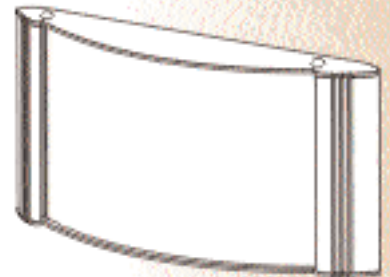
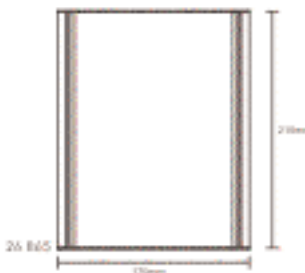
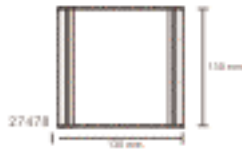


Overall thickness 15 mm



JazZ'Y

Injected end-caps for tamper-resistance.



Overall thickness 15 mm

SIGNAGE



Flag JazZ'YR

Especially designed for wall-mounted Signage



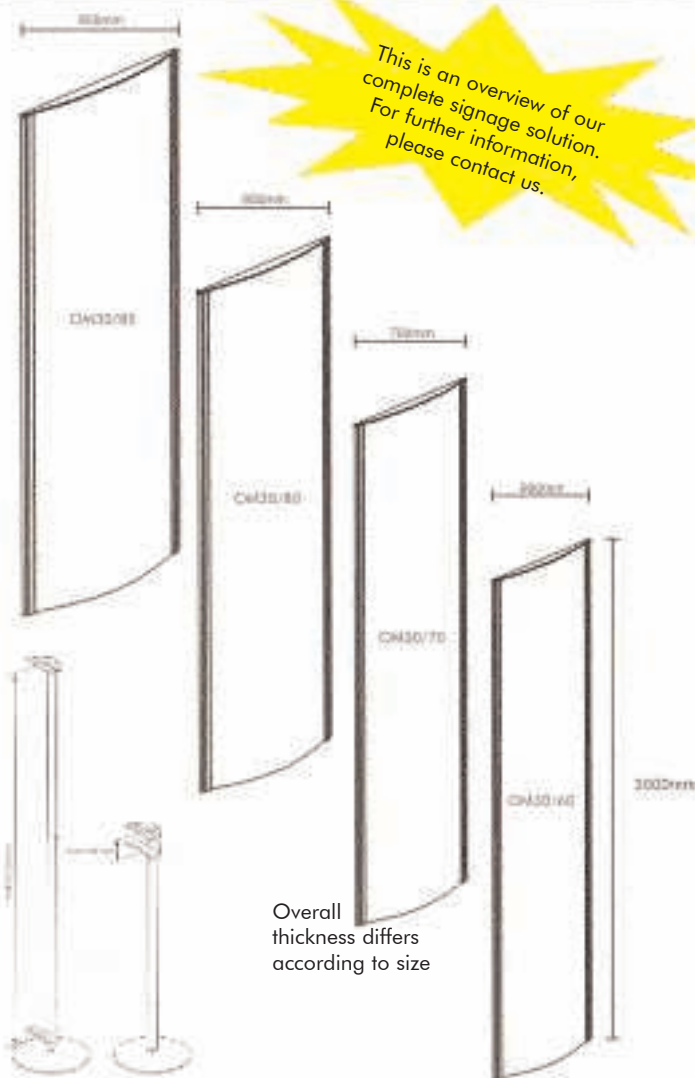
Flag JazZ'Y

Especially designed for wall-mounted Signage



Obelisk

- 3 versions available:
- free-standing
 - with feet
 - wall-mounted



GRAVOFRAME

NEW

Designed for interior signage. Frame construction provides flexibility for installations and sign inserts. Signs change over is easy. Sign inserts fit securely into frames with a snap lock mechanism. Frames and inserts are tamper-resistant. Accepts inserts up to 3.2mm thick.

Ceiling/Wall Mount

Designed to mount modular frames perpendicular to walls and ceilings.

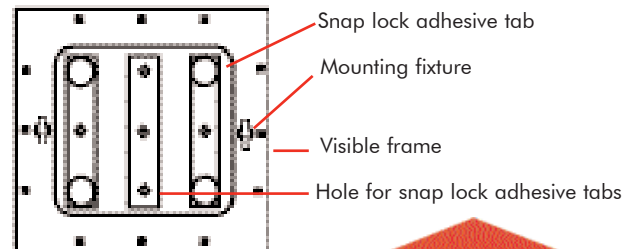
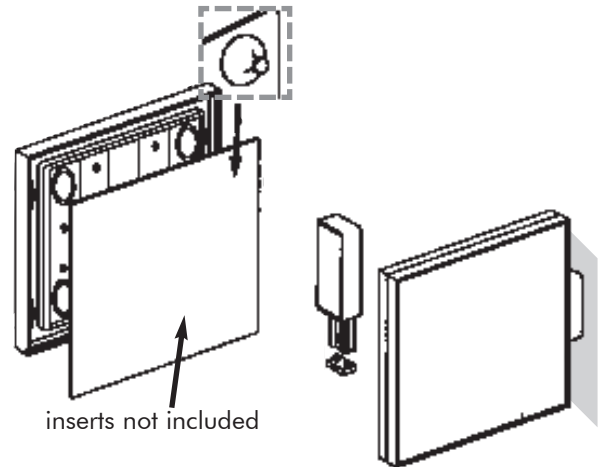
Inserts

Inserts should be cut to be to a length and width 2mm less than the frame sizes listed below.

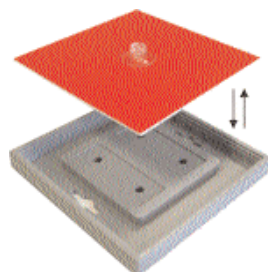


Sizes (mm)	White	Black	Gray	Navy	Taupe
	50 x 101	30054	30064	30065	△
101 x 101	30055	18850	18837	29671	29679
101 x 203	30056	18852	18839	29672	29680
253 x 253	30057	18857	18844	29673	29681
304 x 304	30058	18859	18846	29674	29682
50 x 203	30059	18848	18835	29675	29683
152 x 152	30060	18854	18841	29676	29684
152 x 304	30061	18858	18845	△	△
152 x 203	30062	18855	18842	29677	29685
203 x 203	30063	18856	18843	29678	29686

△ Item not available



Snap lock with adhesive Set of 12 - 18787



When fabricating sign inserts, allow 0.2 mm for expansion and contraction of integrated materials.

Frame / Insert colour combinations

You can achieve either a projected or recessed look with your Gravoframe, by combining particular frame and insert colours from the Gravograph range.

Snap lock adhesive tabs

The snap lock adhesive tabs fit securely into the frame holes, but can also be dismantled if necessary. Each tab has a layer of double-sided adhesive to secure the insert. There is no risk of making a mistake when positioning the insert in the frame. Simply insert the tabs into the holes in the frame, then remove the backing from the adhesive on the tabs, and finally place the insert in the frame, pressing it securely onto the tabs.

SIGN HOLDERS

Aluminium, available in
Silver and Gold

Description	Part No.	Part No.
A. Utility Wall Plate Holder		
Natural aluminum, non-anodised edges. For mounting use double-sided tape or drill holes.		
For Inserts	Silver	Gold
100.0 x 25.0 x 1.6 mm	19482	19475
152.4 x 25.4 x 1.6 mm	30066	30067
B.	19485	19476
203.2 x 50.8 x 1.6 mm	19485	19476
254.0 x 50.8 x 1.6 mm	30068	30069
C. Wall Bracket		
To mount signs perpendicular to the wall. Slotted for 3.2 mm inserts		
Cap nuts and screws included. For signs of any width.		
Height 50 mm	19486	30070
Height 101 mm	19487	30071
D. Slimline Plate Holder		
for inserts		
177.8 x 25.4 x 1.6 mm	30072	30073
E. Double-Sided Plate Holder		
for inserts		
152.4 x 31.7 x 1.6 mm	30074	30075
F. Standard Plate Holder		
for inserts		
203.2 x 50.8 x 1.6 mm	30076	30077
G. Plate Stand		
for inserts		
200 x 1.6 mm	19480	19474



PLATE STANDS, TYP L

Aluminium Profiles, natural anodized
Part number 19 488

Aluminum Profile (A), outside dimension 150 x 44 mm, with acrylic cover (B) under which you slide in the 1.6 mm engraved inserts (C).

L-150,	1 insert 150 x 36 mm
L-36/1 x 114,	1 insert 36 x 36 mm, 1 insert 114 x 36 mm
L-36/2 x 114,	1 insert 36 x 36 mm, 2 inserts 114 x 18 mm
L-36/3 x 114,	1 insert 36 x 36 mm, 3 inserts 114 x 12 mm
L-36/4 x 114,	1 insert 36 x 36 mm, 4 inserts 114 x 9 mm



assembly examples

MARBLED PLATES

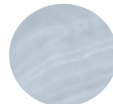
- A composite that imitates marble perfectly for indoor and outdoor use.
- Easy to engrave and colour.
- 5 classic and elegant models.
- A choice of 3 marbled colours.



ROSATA
Rose/white



TERRACOTTA
Terracotta/white



CARRARE
Grey/white

Description

A. Rectangular door plate

130 x 80 mm

B. Fantasy door plate

130 x 80 mm

C. Oval door plate

130 x 80 mm

D. Oval plate

390 x 280 mm

E. Rectangular plate

300 x 200 mm

Part No.

19330

19324

19326

19333

19336

Part No.

19331

19325

19328

19332

19335

Part No.

19329

19323

19327

19334

19337

Due to the traditional, manual manufacturing process, the colours, marbling and dimensions may vary from one plate to another.

Size tolerance - door plates: +/-5 mm

Size tolerance - other plates: +/-10 mm

Due to the reproduction methods used for this catalogue, the colours presented are non-contractual.

DOOR PLATES

Premium Solid Brass Door Plates



A. 100 x 32 mm	30078
B. 125 x 40 mm, with Bell Button	30079
C. 110 x 40 mm, antique	30080
D. 105 x 42 mm	21812
E. 105 x 54 mm	22088
F. 100 x 40 mm	22089
G. 83 x 48 mm	22090
H. 135 x 65 mm	22091
I. 130 x 30 mm	22092
J. 97 x 33 mm	22093
K. 160 x 60 mm	22094
L. 100 x 28 mm	22095
M. 122 x 42 mm	22096
N. 126 x 36 mm	22097
O. 124 x 42 mm	22098
P. 120 x 55 mm	30081
Q. 180 x 60 mm	30082
R. 175 x 100 mm, antique	30083
S. 150 x 95 mm	30084
T. 115 x 40 mm	30085

All doorplates have a varnished surface to protect against oxidation

A



B



C



D



E



F



G



H



Q



I



J



R



K



L



S



M



N



T



O



P



DOOR PLATES

NEW

Plates in 4 different shapes (see above) made out of GRAVOPLY 1, GRAVOPLY 2, METALLEX or GRAVOXAL 1.5mm

Description	PART No.			
	GRAVOPLY 1	GRAVOPLY 2	METALLEX	GRAVOMETALL
A. 125 x 40 mm	30086	30087	30088	30089
B. 125 x 42 mm	30090	30091	30092	30093
C. 115 x 45 mm	30094	30095	30096	30097
D. 180 x 80 mm	30098	30099	30100	30101

Plates in 4 different shapes (see above) made out of GRAVOXAL 1.5 mm

STEEL LOOK

NEW

Description	PART No.
A. 125 x 40 mm	30102
B. 125 x 42 mm	30103
C. 115 x 45 mm	30104
D. 180 x 80 mm	30105

This new material is also available in full sheets: see page 38

A



B



C



D



Easy to engrave - looks like steel

DOOR KNOCKERS

NEW

Description	PART No.
A. Standard Door Knocker Solid brass. Mounting hardware included. 92 x 172 mm	30106
B. Ornate Door Knocker Solid brass. Mounting hardware included. 95 x 193.5 mm	30107
C. Classic Door Knocker Solid brass. Mounting hardware included 95 x 210 mm	30108

A



B



C



ORNAMENTAL PLATES

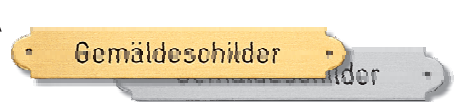
made of METALLEX, GRAVOMETALL or

GRAVOXAL Steel Look **NEW**

A. Ornamental Plates

Description	Part No.	Part No.	Part No.
	METALLEX 1.5 mm	GRAVOMETALL 0.6 mm	Steel Look 1.0 mm
19.0 x 114.3 mm	30115	30116	30117
9.5 x 50.8 mm (not shown)	30109	30110	30111
9.5 x 63.5 mm (not shown)	30112	30113	30114
12.0 x 61.0 mm (not shown)	22078	19308	30124
12.7 x 76.2 mm (not shown)	30118	30119	30120
15.0 x 71.0 mm (not shown)	22079	19310	30125
15.9 x 89.0 mm (not shown)	30121	30122	30123
B. Ornament long 40 x 10 mm, self-adhesive	30126	30127	30128

A



B



KEY RINGS **NEW**

A range of five refined and mixed models.
Modern, stylish designs, combining brushed and glossy metal.
Easy to engrave with cutters or diamonds.
You may enhance the engraving contrast by colouring with paint.
Personalised key rings can be presented in this elegant, navy blue, velvet gift wallet.



A. Long - rectangular model	21816
B. Round - rectangular model	21813
C. Ball - oval model	21818
D. Rectangular model	21814
E. Hexagonal model	21815
F. Velvet gift wallet	21817



Premium Solid Brass Key Rings with Lacquered Surface Protection

A. Heart	40 x 40 x 1.5 mm	30129
B. Oval	65 x 35 x 1.5 mm	30130
C. Rectangular	57 x 35 x 1.5 mm	30131



Hotel Key Rings

A. Rectangular		
115 x 30 mm	Silver 30132	Gold 30133
B. Rounded		
100 x 30 mm	30134	30135



Key Rings in Standard Engraving Materials

Cut to Size Service

A. Circular	ø 30 mm, hole ø 4 mm
B. Teardrop	44 x 29 mm, hole ø 4 mm
C. Hexagonal	58 x 37 mm, hole ø 4 mm
D. Teardrop	102 x 54 mm, hole ø 6 mm
E. Rectangular	65 x 18 mm, hole ø 4 mm Rounded Corners



Other colours and materials available on request

TAGS **NEW**

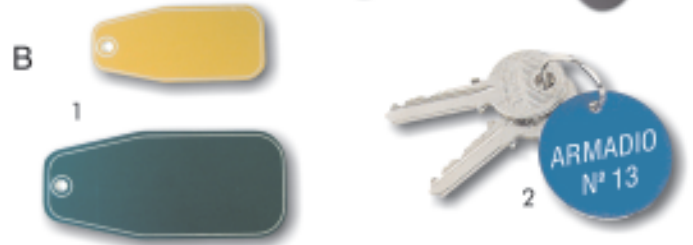
A. Bicycle tags

Description

Anodized Aluminium, Thickness 1 mm.
Size: 38 x 47 mm with 1 hole diam. 8 mm
Natural aluminium
Black
Red
Blue

Part No.

19300
19301
19302
19303



B. Aluminium tags

1 - Fantasy Anodized aluminium, with a 4 mm ø hole

Size:	65 x 30 mm	90 x 40 mm
Red	19193	19197
Blue	19194	19198
Green	19195	19199
Gold	19196	19200

2 - Round Anodized aluminium, with a 4 mm ø hole

Diameter:	30 mm	38 mm	50 mm
Gold	30136	30140	30144
Red	30137	30141	30145
Blue	30138	30142	30146
Green	30139	30143	30147

3 - Rectangular Anodized aluminium, with a 4 mm ø hole

Size:	40 x 16 mm
Red	19189
Blue	19190
Green	19191
Gold	19192

C. Luggage tags

GRAVOPLY 2 and METALLEX,
Other colours on request, min. order 50 units
Cut-to-Size services

D. Leather strap

220 x 13 mm, for luggage tags **30148**

E. Cloak room tags

GRAVOPLY 1, GRAVOPLY 2 1.6 mm,
GRAVOXAL 1.0
35 x 35 mm, die cut size 20 x 13 mm
40 x 40 mm, die cut size 29 x 9 mm
Other sizes on request
Cut-to-Size Services

F. Plant label holder

Zinc-plated tin, shaft length 300 mm
for labels 120 x 48 x 1.6 mm **30149**

Zinc-plated tin, shaft length 600 mm
for labels 120 x 48 x 1.6 mm **30150**



G. Ties

"S"-Hook, Zinc-plated steel, length 28 mm **23919**

Nickel-plated brass, length 28 mm **30151**

Golden brass, length 21 mm **30152**

Ring, Nickel-plated steel, ø 12 mm **19532**

ø 20 mm **19530**

Golden brass, ø 12 mm **19533**

ø 20 mm **19531**



PET MEDALS



Alpacca, Silver

NEW



Oval **30153**
33 x 30 mm

Golden and nickel-plated brass

Kennel



golden **19320**
nickel-plated **19319**
25 x 20 mm

Heart



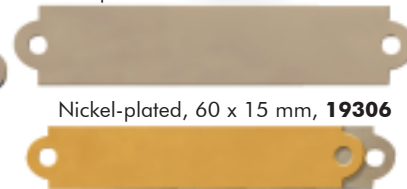
golden **23906**
31 x 30 mm

Lozenge



golden **13015**
nickel-plated **13014**
35 x 35 mm

Collar plate



Nickel-plated, 60 x 15 mm, **19306**

golden, 50 x 12 mm, **19305**
nickel-plated **19304**

NEW



Lozenge **30154**
38 x 32 mm



Vertical
bone

golden **23917**
nickel-plated **23918**
22 x 41 mm



Bone

golden **19314**
41 x 26 mm



Cat

golden **12992**
26 x 26 mm

Silver stamped brass



Cat face metal
ø 20 mm **12991**



Round, golden **22065**
nickel-plated **13012**
ø 33 mm



Round, golden **13016**
nickel-plated **19318**
ø 26 mm



Round, golden **19317**
nickel-plated **19316**
ø 22 mm

Ties

See "S" Hooks and rings
on page 59

Anodized aluminium range



Heart
21 x 30 mm
red **23903**
silver **23901**
blue **23904**
green **23905**
gold **23902**



Bone
33 x 26 mm
red **23891**
silver **23889**
blue **23892**
green **23893**
gold **23890**



Round
27 x 31 mm
red **23897**
silver **23895**
blue **23898**
green **23899**
gold **23896**



Octagonal
25 x 25 mm
red **23885**
silver **23883**
blue **23886**
green **23887**
gold **23884**



Rounded Square
25 x 29 mm
alu gold **30157**
alu blue **30158**
alu green **30159**



Heart
25 x 28 mm
alu gold **30155**
alu purple **30156**

NEW

Stainless steel range

NEW



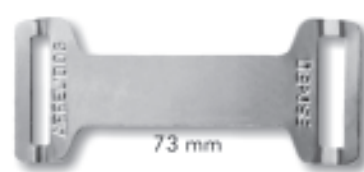
ø 29 mm **30161**



ø 32 mm **30162**



Heart, 31 x 30 mm
23907



Collar plate, Engraving area 45 x 15 mm
19307

For packaging: see price list

FUNERAL PLATES

NEW
A. Plate with integrated frame

 160 x 100 mm Gold/Black
 Silver/Black

Part No.
19161
19168
B. Metallex Plate

 145 x 100 mm Glossy gold / Black
 Glossy silver/ Black
 Brushed gold / Black
 160 x 100 mm Glossy gold / Black
 Glossy silver/ Black
 Brushed gold / Black
 190 x 130 mm Brushed gold / Black

19148
19149
19150
19163
19164
19165
19174
C. Gravometal Plate

145 x 100 mm Glossy, lacquered brass

19153
D. Remembrance Plate

160 x 100 mm Brushed gold / Black

19170
E. Double Gravoglas Label

 146 x 35 mm Gold / Black
 Copper / Black
 Black / Gold

19187
19186
19188
Double Metallex Label

 Matt gold / Black
 Matt silver / Black
 Brushed gold/ Black

22109
22110
22111
F. Metallex Label, standard shape

 142 x 22 mm Glossy gold / Black
 Glossy silver/ Black
 Brushed gold / Black

22100
22101
22102
G. Metallex Label, rounded

 142 x 22 mm Glossy gold / Black
 Glossy silver / Black
 Brushed gold / Black

22106
22107
22108
H. Gravoglas Label, standard shape

 142 x 22 mm Gold / Black
 Copper / Black
 Black / Gold

19183
19182
19184
I. Plate with borders

 145 x 100 mm Brushed gold / Black
 Brushed gold / Black
 Brushed gold / Black
 Brushed gold / Black
 Brushed gold / Black
 Brushed gold / Black
 160 x 100 mm Brushed gold / Black
 Brushed gold / Black
 Brushed gold / Black
 Brushed gold / Black
 Brushed gold / Black
 Brushed gold / Black
 Brushed gold / Black

19142 (1)
19143 (2)
19144 (3)
19145 (4)
19146 (5)
19147 (6)
19155 (1)
19156 (2)
19157 (3)
19158 (4)
19159 (5)
19160 (6)
J. Label for Urns

GRAVOFOIL 80 x 50 mm

Rectangular

 Gold / Black
 Copper / Black

19138
19139
Rounded corners

 Gold / Black
 Copper / Black

19140
19141

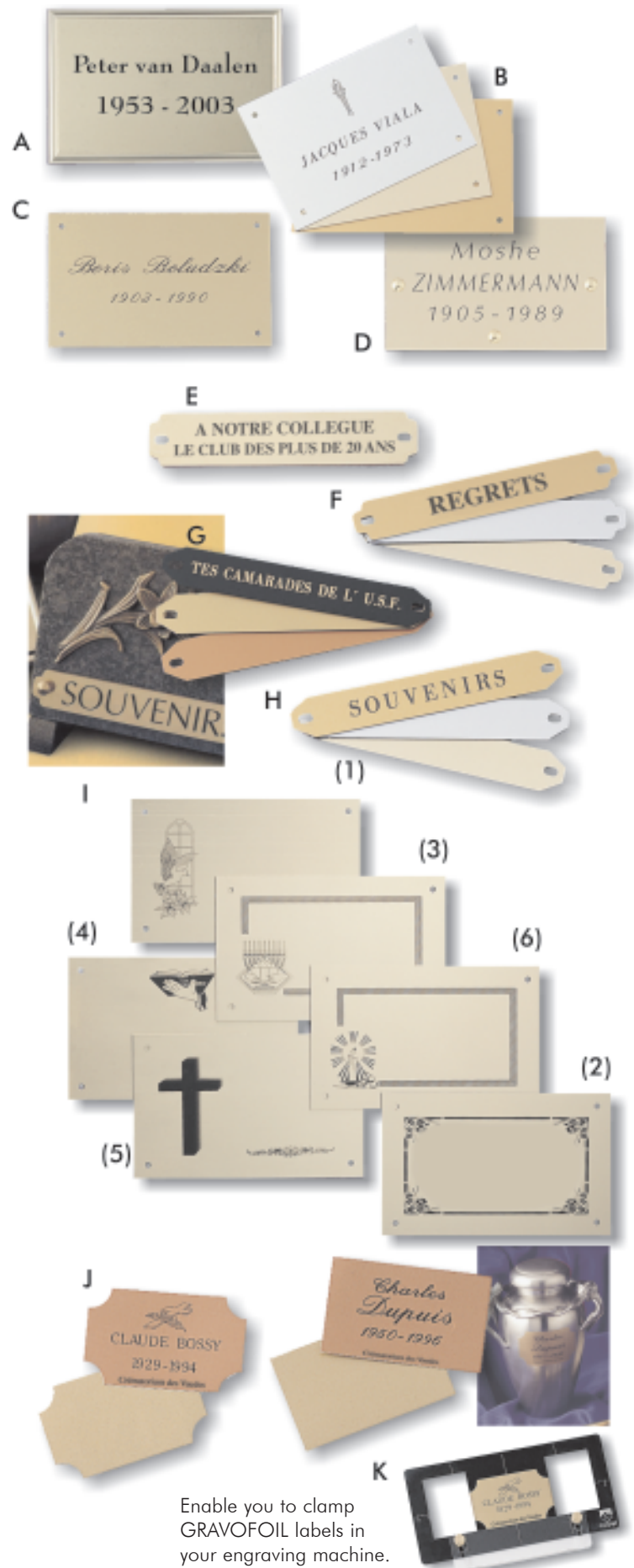
METALLEX 80 x 50 mm

Rectangular

 Gold / Black
 Silver / Black

22083
22084
Rounded corners

 Gold / Black
 Silver / Black

22085
22086
K. GRAVOFOIL Jigs
22868

 Enable you to clamp
 GRAVOFOIL labels in
 your engraving machine.

READY-MADE BADGES

There's more than one way to buy a badge.
Ready-made Badges save you time and money.
Custom Badges keep all your customers satisfied no matter how specialized their badge needs.

Classic Gravoply Badges

Gravoply Badges feature square corners and bevelled edges. Metal fasteners come attached. All fasteners are made of nickel-plated brass so they will not tarnish and discolour fabrics.
(See page 63 Classic Badge Hardware).

If you do not find the specific badge type you are looking for, please see page 13 for more details on our full badge fabrication

1 - GRAVOPLY 1, 64 x 16 x 2.4 mm

Colour	Fastening			
	Needle	Superclip	Snap Clip	Clutches
Black/White	30163		30165	30166
White/Black	30169		30171	30172
Red/White	30175		30177	30178
Azure Blue/White	30181		30183	30184
Yellow/Black	30187		30189	30190
Dark Green/White	30193		30195	30196

2 - GRAVOPLY 1, 75 x 20 x 2.4 mm

Black/White	30199	30200	30201	30202
White/Black	30205	30206	30207	30208
Red/White	30211	30212	30213	30214
Azure Blue/White	30217	30218	30219	30220
Yellow/Black	30223	30224	30225	30226
Dark Green/White	30229	30230	30231	30232

3 - GRAVOPLY 2, 64 x 16 x 2.4 mm

Black/White	30235		30237	30238
White/Black	30241		30243	30244
Red/White	30247		30249	30250
Azure Blue/White	30253		30255	30256
Yellow/Black	30259		30261	30262
Dark Green/White	30265		30267	30268

4 - GRAVOPLY 2, 75 x 20 x 2.4 mm

Black/White	30271	30272	30273	30274
White/Black	30277	30278	30279	30280
Red/White	30283	30284	30285	30286
Azure Blue/White	30289	30290	30291	30292
Yellow/Black	30295	30296	30297	30298
Dark Green/White	30301	30302	30303	30304

5 - METALLEX, 64 x 16 x 2.4 mm

Glossy Gold	30307		30309	30310
Glossy Silver	30313		30315	30316
Brushed Gold	30319		30321	30322
Brushed Silver	30325		30327	30328

6 - METALLEX, 75 x 20 x 2.4 mm

Glossy Gold	30331	30332	30333	30334
Glossy Silver	30337	30338	30339	30340
Brushed Gold	30343	30344	30345	30346
Brushed Silver	30349	30350	30351	30352



Plastic Frames

Add a touch of elegance to any badge. Size 71 x 21 mm for plastic inserts 66 x 16 x 0.8 mm
Sold with or without fastener

Description	Part No.
Silver	19355
Gold	19354
Black	19352
White	19353



BADGE ATTACHMENTS



FOR HEAT FUSING IN OUR WORKSHOP



FOR SELF-ASSEMBLY

Badge Hardware for GRAVOFIX



FOR HEAT FUSING IN OUR WORKSHOP

Classic Badge Attachment

Hardware is made of nickel-plated brass. Choose the material colour, ply and thickness for fabricating badge blanks.

Description	Part No.
Safety Pin A	30355
Superclip B	30356
Snap Clip, swivel C	30357
Clutch D	30358
Combi Clip E	30359
Combi Clip + Safety Pin F	30360

FOR SELF-ASSEMBLY

Badge Hardware for GRAVOFIX

Hardware is made of nickel-plated brass and features plastic backing to make durable bonding quick and easy with GravoFix.

Safety Pin G	19345
Superclip H	30361
GRAVOFIX, 25 cl I	19360
Plastic bottle J	19359
Snap Clip, swivel K	19346
Clutches L	30362
Pin with clutch M	30363
GRAVOFIX KIT N (100 safety Pins G + GRAVOFIX 25cl + plastic bottle)	25730

Pressure-Sensitive Hardware



Card holder



Pressure-Sensitive Hardware

We are offering our latest, best-selling hardware with pressure-sensitive adhesive backing. Simply peel back the liner and attach the adhesive bonds to the badge. No need for chemical or heat fusing.

Safety Pin O	30364
Magnetic fastener Standard P	19362
Magnetic fastener Jumbo Q	30365
Alligator Clip R	30366
Universal Clip with Pin S	19358
Crocodile Clip T*	30367

*This clip, with its 2-component bonds, is specially for durable bonding on plastic and metal badges.

Card holder	
Swivel fastener with clip U	19357
Clear Vinyl Badge holder V	19356

ENGRAVING ACCESSORIES

LUBRICATING



Ref. 12913
Soluble oil

Product designed for engraving on glass.
Volume: 1 LTR.



Ref. 26887
Engravolube

Special lubricant for engraving. Ideal for lengthening the life span of your engraving tools
Volume: 100 ml.



Ref. 21780, Vargol

Special lubricant for the VARGA circular saw. Synthetic oil for use on any material.
Volume: 500 ml

Ref. 21781, Lubricating bottle
To apply Vargol onto VARGA saw.



Ref. 19526
TARFIL

Designed for engraving and cutting on metals, this lubricant is extremely hard-wearing.
Bottle: 215 g



Ref. 23494
Lubricant

For spraying systems. Synthetic, biodegradable fluid for machining metals.
Volume: 2 LTR.



Ref. 19527
POLYCOUPE

This lubricant comes in handy packaging, for clean results. Ideal for milling on metals, and engraving or cutting.
Spray: 250 ml



Ref. 30368
SURFEX

The perfect lubricant for engraving and cutting aluminium.
Bottle: 1 LTR.



Ref. 23912

Industrial degreaser
Cleans grease, oil, dust and sticky patches. Can be used on most painted and non-painted metals, ceramic, glass and numerous plastics.
Volume: 500 ml.

GLUES



Ref. 23913

Universal cleaner
Ideal for cleaning the surface of your plates before fixing. Not recommended with ABS.
Volume: 1 LTR.



Ref. 23914
Spray mount

Repositionable glue for use with light materials for the temporary positioning of your plates. Not recommended with expanded polystyrene.
Volume: 500 ml.



Ref. 20151
Adhesive mount tape

For temporary mounting of your plates
Size : 25 m x 0.25 mm.



Ref. 19528
Protective adhesive tape

To protect jewellery and brass door plates during engraving.
Size: 100 m x 50 mm



Ref. 19360
Gravofix

Tin of Gravofix glue specially designed for fixing plastic-backed pins to your badges.
Volume: 250 ml

OXYDISING AGENTS

Ref. 21129 Gravoxide

Specially designed to blacken fine engraving on Gravometall.
Packaging : 90 ml bottle with application pad.



Ref. 21130 Aloxide

Specially designed to blacken fine engraving on glossy anodised aluminium.
Packaging : 90 ml bottle with application pad.



PAINT

Gravolaque, polyurethane paint designed to colour sub-surface of Gravoglas 1 and 2, anodised aluminium and brass.



Black 19459, White 19460
Red 19461 Blue 19462
Yellow 19463 Green 19464
Gold 19465 Silver 19466
Volume: 1/2 LTR
Radiant Gold 19467
Volume: 1/4 LTR

Nitrolaque,

White 30373 Black 30374
Red 30375 Blue 30377
Volume: 1/4 LTR

Universal, fast drying, to colour cutter engravings on metal, steel.

PAINT DISPENSER

Ref. 27597

This product is ideal for easy and clean colouring of your engraved plates.



"non contractual photo"

COLD WAX STICKS

Suitable for colouring small characters. (e.g. pet medals)

This range is available in 8 colours :

Silver 20214 White 20215 Blue 20216
Yellow 20217 Black 20218 Gold 20219
Red 20220 Green 2021

Packaging: Box of 5 sticks



DILUTER

2 cleaning agents available :

- application diluter to clean your plates after colouring. Ref. 19468.
- cleaning diluter to clean your tools. Ref. 19469



CERMARK



Pre-treatment to blacken engravings on metals by CO2 lasermachines

Paste 0.10 kg Ref. 19529
Spray 0.22 kg Ref. 30493

COLOURING



Plug chain

This chain allows you to attach any type of identification to a range of objects

(e.g. suitcases, pipes, key rings etc.).

Nickel-plated brass, 2.25 mm diameter balls.

- Packaging:
- 100 x 150 mm with fastener Ref. 19534
 - 10 x 1.5 m without fastener Ref. 19535
 - box of 100 fasteners. Ref. 19536



Screw and screw cover

These items give a perfect finish to your mounted plates.

- 3 sizes: 4 x 20 mm, 12 mm head, Gold 25731
Silver 25732
4 x 30 mm, 15 mm head, Gold 25733
Silver 25734
4 x 30 mm, 18 mm head, Gold 25735
Silver 25736

Packaging: 100 per pack.



Ref. 19470 Wooden support

This wooden support enables you to enhance your professional plates.

Size : 340 x 240 x 20 mm.

Colour : tropical hardwood.

Packaging : single.



Stainless steel supports These supports provide a simple and practical solution when the temperature of fluids in a pipe is too high to use Gravofoil (over 70° C). In this case, all you need to do is stick a label onto the stainless steel support to ensure that the label is not in direct contact

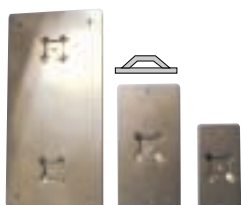
with the pipe. It is easy to fix the support to the pipe using the plastic, stainless steel or steel collar provided, which you slip through the cross-shaped imprints before tying it to the pipe. Rounded corners.

The standard range : 80 x 40 mm, Ref. 19547

120 x 60 mm, Ref. 19548

200 x 100 mm, Ref. 19549

Hole diameter : 3.2 mm. Packaging : 10 supports.



Spacer fastenings

These spacer fastenings, delivered in packs of 4 with screws, wall plugs and Allen key, are available in chrome or gold finish. These fastenings are particularly appropriate for fixing professional plates (16 mm max. thickness) and bring a refined touch to your fixing.

Material : brass.

2 colours : gold, Ref. 19471
chrome, Ref. 19472

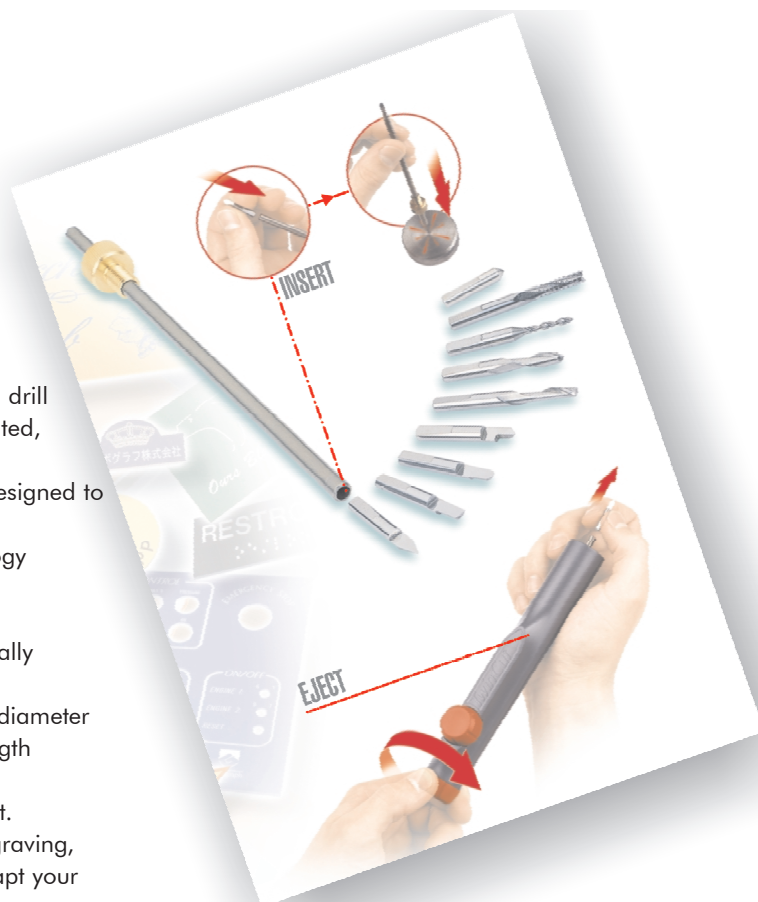
Packaging : 4 per pack.

MECHANICAL FASTENING

ENGRAVING CUTTERS

TWINCUT

- **Multipurpose.** A range of inserts to engrave, cut, and drill the widest range of materials (plastic, plexiglas, laminated, aluminium, brass, ...).
- **Interchangeable.** A tool-holder with length preset, designed to take any insert from the Twincut range.
- **Proven quality.** Twincut's micrograin carbide technology ensures very durable resistance to wear and tear, achieving the best possible engraving results.
- **Economical.** The life span of the toolholders is practically unlimited. Only the active parts are replaced.
- **Compatible.** Twincut tools can be used with 4.36mm diameter spindles and collet spindles (loading from the top - length preset).
- **Direct fixing** of the insert into 3.17mm diameter collet.
- **Useful and progressive.** The complete range of engraving, cutting, surfacing, and drilling inserts allows you to adapt your equipment as your applications evolve.



Toolholder

All inserts must be used with this toolholder
Part No. 22987



Cutter-Ejector

Part No. 13793



Engraving insert for common materials

Use on brass, GRAVOPLY, Aluminum



Jewellery engraving insert

Signet rings, bracelets, medallions



Insert for engraving on hard metals

Use on soft and semihard steel



Parallel engraving insert

Drilling, filling, engraving on GRAVOPLY



Round nose engraving insert

Use on GRAVOGLAS for subsurface engraving

Cutting width	Part No.
0,25	22991
0,32	22992
0,50	13808
0,75	22994
1,00	22995
1,25	22996
1,50	22997
1,75	22998
2,00	22999
2,50	23000
3,00	23001

Cutting width	Part No.
0,25	23002
0,32	23003
0,50	23004
0,75	23005

Cutting width	Part No.
0,25	23046
0,32	23047
0,50	23048
0,75	23049
1,00	23050
1,25	23051
1,50	23052

Cutting width	Part No.
1,00	23016
1,50	23017
2,00	23018
2,50	23019
3,00	23020

Cutting width	Part No.
1,00	23026
1,50	23027
2,00	23028
2,50	23029
3,00	23030

TWINCUT



1/4 round engraving insert

Use on stainless steel, anodised aluminum

Cutting width	Part No.
0,25	23031
0,32	23032
0,50	23033
0,75	23034
1,00	23035
1,25	23036
1,50	23037
1,75	23038
2,00	23039



Double cone engraving insert

Stainless steel

Cutting width	Part No.
0,25	23040
0,32	23041
0,50	23042
0,75	23043
1,00	23044
1,25	23045



45° insert for cutting out plastic

For cutting out letters and shapes in plastic

Cutting width	Part No.
0,32	23054



Plastic cutting-out insert, 45°

Bevelled edge, v-grooved surface

Cutting width	Part No.
	23055



Specific epoxy cutting-out insert

For cutting-out printed circuits

Cutting width	Part No.
1,00	23057
2,00	23058



Inserts for cutting-out metal

For front panels, synoptics, letter cutting

Cutting width	Part No.
1,00	23062
2,00	23063
3,00	23064



Specific insert for cutting out Jewellery

For cutting out letters

Cutting width	Part No.
0,60	23065
0,70	23066



Specific insert for cutting out plastic

Use on Gravoglas, Gravometall

Cutting width	Part No.
1,00	23067
2,00	23068
3,00	23069



Specific drilling insert

Coated epoxy printed circuits

Cutting width	Part No.
0,50	22989
0,80	26412
1,00	22990
1,20	26415
1,40	26416
1,50	26417
2,00	26422
2,50	26423



Diamond insert

Non-rotating tracing diamond
For all shallow marking jobs

Cutting width	Part No.
0,20	23061



Diamond insert

Rotating diamond (Rotary motor spindle)
For engraving on crystal, glass or hard materials

Cutting width	Part No.
0,20	23060

Twin-cut kits

	Part No.
Twin-cut Starter kit	23056
Twin-cut kit 6 inserts	26860
Twin-cut kit 10 inserts	25424
Twin-cut kit 25 inserts	25425
Twin-cut kit 40 inserts	25426

ONECUT Top loading cutters 3.17 mm



Carbide cutter



Steel cutter



Parallel steel cutter

Round base
cylindrical steel cutter

Carbide cutter

Compatible with IM4, IM3, ITM, ITL, IF3

Compatible with IRV

Cutting width	Part No.	Cutting width	Part No.	Cutting width	Part No.	Cutting width	Part No.	Cutting width	Part No.
0,32	20135	0,00	20156	1,00	20174	1,00	20179	0,32	20940
0,50	20137	0,25	20158	1,50	20175	1,40	20180	0,50	20942
0,75	20138	0,32	20159	2,00	20176	2,00	20181	0,75	20943
1,00	20140	0,50	20161	2,50	20177	2,50	20182	1,25	20946
1,25	20141	0,75	20162	3,00	20178	3,00	20183	2,00	20948
1,50	20142	1,00	20165					3,17	20949
2,00	20143	1,25	20166					4,70	20950
3,17	20144	1,50	20167					6,35	20951
45°	20136	2,00	20168						
90°	20139	3,17	20170						
		15°	20157						
		45°	20160						

ONECUT Top loading cutters 4.36 mm



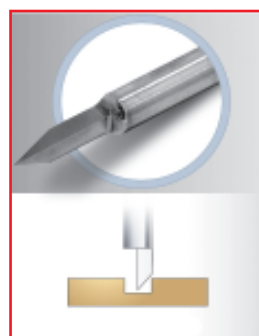
Steel cutter



Carbide cutter



Parallel steel cutter

Round base
cylindrical steel cutter1/4 round
carbide cutter

Compatible with TXL, TX3, IRV, VX Range, V-3000, V-4000, UNICA, VEGA, IS Range

Cutting width	Part No.	Cutting width	Part No.	Cutting width	Part No.	Cutting width	Part No.	Cutting width	Part No.
0,25	21053	0,32	21037	1,00	21071	1,00	21078	0,32	21102
0,32	21054	0,50	21039	1,50	21072	1,50	21079	0,50	21103
0,50	21056	0,75	21040	2,00	21073	2,00	21080	0,75	21104
0,75	21057	1,00	21042	2,50	21074	2,50	21081	1,25	21105
1,00	21060	1,25	21043	3,00	21075	3,00	21082	2,00	21106
1,50	21062	2,00	21045	3,50	21076	3,50	21083		
2,00	21063	3,17	21046	4,00	21077	4,00	21084		
3,17	21065	4,36	21047						
4,36	21066								
15°	21052								
45°	21055								
Special	21058								

Cutter recommendation for different materials

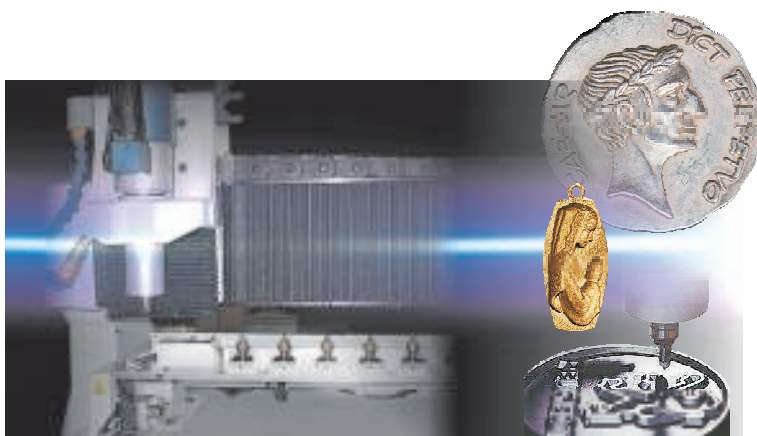
Material	Cutters		steel	carbide
	steel	carbide		
Plastics				
Gravoply	X	X		
Gravoglas	X	X		
Gravostrat		X		
Metals	steel	carbide		
Aluminum		X		
Brass			X	
Bronze			X	
Soft metal			X	
Stainless steel				X
Precious metals			X	
Glass				Diamond

ENGRAVING CUTTERS

PERCUT Professional cutters

- Professional cutters for cutting and drilling with HF spindles
- Engraving cutters for collet or HF spindles

All 4.0 mm diameter cutters can be used with the tool-changer on IS6000/7000/8000.



Engraving cutter for HF and Collet spindles 4 mm



Carbide cutter

For use on aluminum, stainless steel

Cutting width	Part No.
0,25	23081
0,32	23082
0,50	23083
0,75	23084
1,25	23085

Engraving cutter for HF and Collet spindles 6 mm



Carbide cutter

For use on aluminum, stainless steel

Cutting width	Part No.
0,32	23087
0,50	23088
0,75	23089
1,25	23090

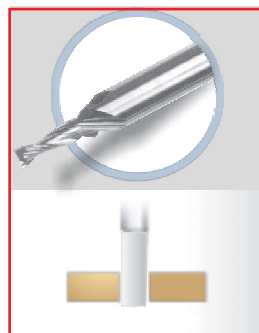
Cutting and drilling cutter for HF spindle and Collet spindle



**Spiral
1-lip cutter**

Tip diameter
4,00 mm

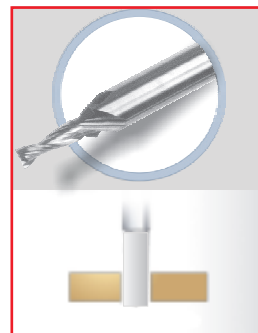
Cutting width	Part No.
4,00	23086



**Spiral
2-lip cutter**

Tip diameter
4,00 mm

Cutting width	Part No.
4,00	23072



**Spiral
3-lip cutter**

Tip diameter
3,17 mm

Cutting width	Part No.
3,00	23078

Tip diameter
3,17 mm

Cutting width	Part No.
2,00	23079

Diamonds



Diamond point

	Part No.
3,17, non rot.	20147
3,17, rotating for diamond spindle	20149
4,36	21050

Glass engraving

Diamond point	12909
0,75 mm	27044
1,50 mm	21753

Granite engraving, 4,36

1,6 mm tip	20932
3,1 mm tip	20933

Diamond holder for

IM3	Part No.
Diamond spindle with diamond point	12771
Holder for spindle diamond	11671

Diamond holder for

TXL	Part No.
Diamond spindle with diamond point	11672
Diamond point	12224

Cutters



Cutters for grinding machines

	Part No.
steel cutter 45° for B4	20160
steel cutter 90° for B4	20163
carbide cutter 45° for B4	20136
carbide cutter 90° for B4	20139
carbide cutter 45° for B6	21022
carbide cutter 90° for B6	21023



Cutter knobs

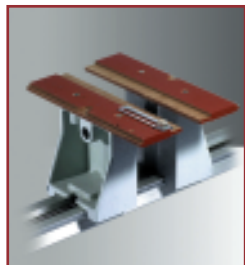
	Part No.
4,36, preset	22740
6,35, preset	22741
3,17	20148
4,36	12335
4,36	10488
6,35	20973

The quality of engraving depends very much on the choice of the engraving tool and the quality of cutter sharpening.

Gravograph grinding machines and grinding service are indispensable for your engraving.

MACHINE JIGS

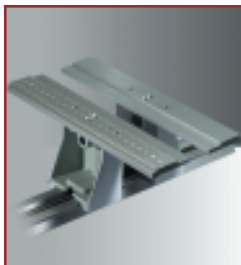
Gravograph provides an extremely wide selection of jigs, developed for and with customers. All Gravograph jigs are compatible with all Gravograph machines.



Standard celeron
150 mm jigs
Part No. 10165



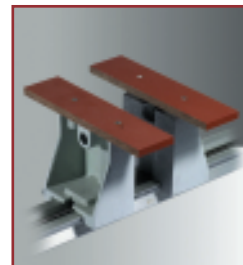
Aluminium
150 mm jigs
Part No. 20189



Aluminium
240 mm jigs
Part No. 21131



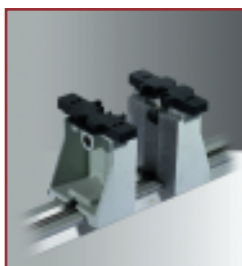
Circuit boards jigs
with locating pins
Part No. 16638



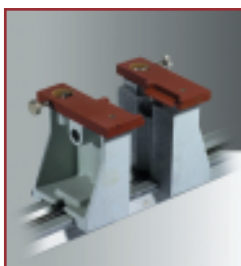
Celeron 152 x 38 mm
unmachined
Part No. 10179



Bracelets/Baby ID jigs
any shape/thickness
Part No. 28192



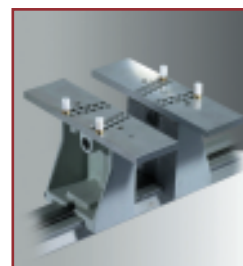
Watch/medal jigs
fits any shape
Part No. 10182



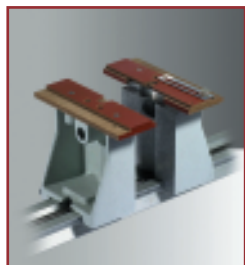
Spectacle bow jigs
Adjustable in width
Part No. 20190



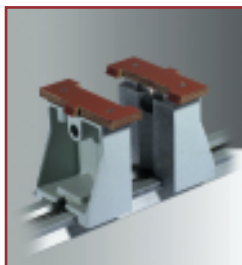
Cutlery jigs
with adjustable stops
Part No. 20129



Cutlery jigs
with relocatable pins
Part No. 22370



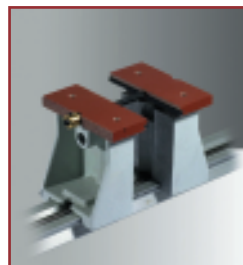
Badge celeron
103 x 36 mm jigs
Part No. 20128



Pen & tubular object jigs,
holding 2,3 or 4 pts.
Part No. 10169



Spectacle bow jigs
Adjustable in width
Part No. 20842



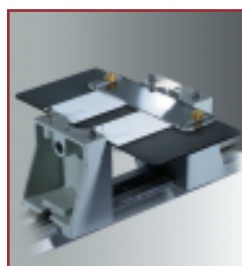
Signet ring jigs
with protection pad
Part No. 20194



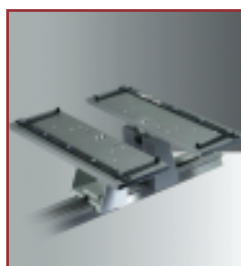
Jewellery vice
X - Y self centering
Part No. 22870



Multigrip jigs with
sliding pins & stops
ref: 20196



Gravofoil vice
ref: 22868



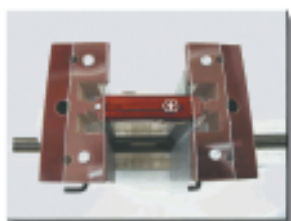
Large plates/salver jigs
with relocatable pins
ref: 20192



Large plates aluminium
310 x 110 mm jigs
ref: 20191



Gravogripp
1220 x 610
ref: 26528



Swiss army knife jigs
Part No. 28067



Multi medals jig, Part No. 28060



Part No. 24784



Part No. 12500

REGULATING NOSES

Depth noses are essential in ensuring perfect and constant engraving depth. Gravograph offers a wide variety of noses:

steel noses	the most commonly used noses (resistant and highly polished for minimum plate scratching)
teflon noses	for engraving on easily scratched material such as metal
swivel noses	for engraving on curved surfaces (steel or teflon)
prismatic nose	for engraving on jewellery items such ID bracelets or bangles
vacuum noses	same as steel nose + can be linked to swarf extractor
diamond nose	provides better rigidity & accuracy than a non rotative diamond cutter - mainly used for photo engraving (Photostyle) and jewellery

NB: it should be noted that Gravograph noses are compatible with all Gravograph machines



Steel nose
0.7 mm diameter
Part No. 20130



Steel nose
1.5 mm diameter
Part No. 20131



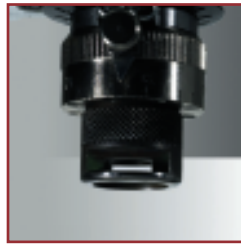
Steel nose
2.4 mm diameter
Part No. 21755



Steel nose
2.5 mm diameter
Part No. 20132



Steel nose
4.6 mm diameter
Part No. 21086



Steel nose
16 mm diameter
Part No. 20960



Steel swivel nose
2.5 mm diameter
Part No. 22464



Teflon swivel nose
3.5 mm diameter
Part No. 22481



Steel swivel nose
5 mm diameter
Part No. 13058



Teflon nose
3 mm diameter
Part No. 20133



Fixed
diamond nose
Part No. 22884



Swivelling
prismatic nose
Part No. 22885



Vacuum nose
1.5 mm diameter
Part No. 21674



Vacuum nose
3.3 mm diameter
Part No. 21672



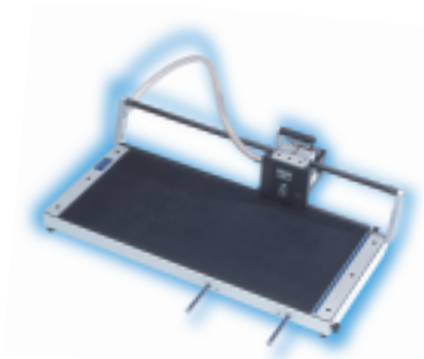
Vacuum nose
8 mm diameter
Part No. 21673



Teflon long-reach vacuum
noses
2.5 mm diameter
length: 12, 22, 27 mm
No. 28061/28062/28063

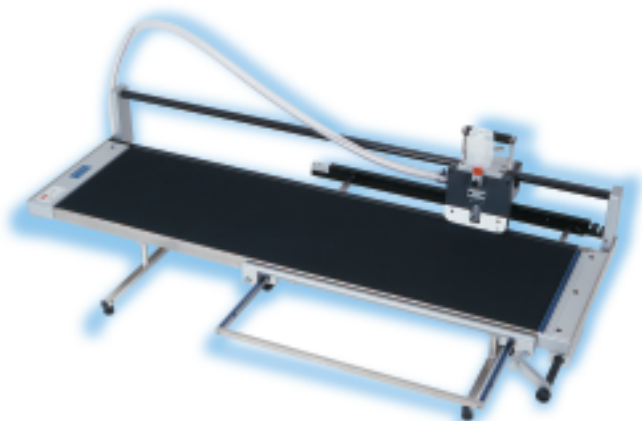
*These noses can be made into vacuum noses with adaptor ref. 12720

SAWS AND SHEARS



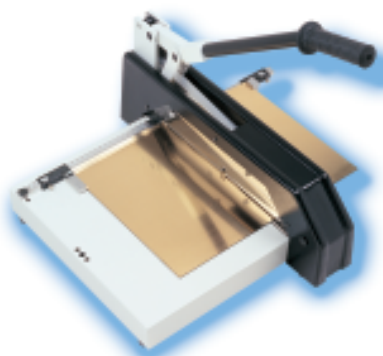
VA10-VA11 Safety Saw

- Thanks to the protection guard, you can cut, in complete safety, any plastic and metal up to:
 - VA10 : 620mm wide
 - VA11 : 665mm wide
- Maximum cutting thickness for plastic (ABS, PMMA, PS, Laminated) up to :
 - VA10 : 6.3mm thick
 - VA11 : 7.0mm thick
- Maximum cutting thickness for non-ferrous metal (brass and aluminium) up to :
 - VA10 : 4.0mm thick
 - VA11 : 5.0mm thick
- The VA11 cuts aluminium profiles up to 15mm thick with precision
- Accurate cutting ensured by the movable stop with automatic return and rule.
- A clean cut thanks to the integrated swarf extractor.
- Automatic lubrication.
- Dimensions : - VA10 : 830 x 550 x 250mm
- VA11 : 910 x 550 x 250mm



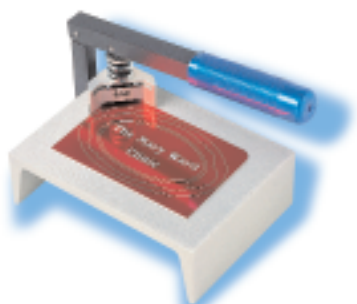
VA21/7-VA21/15

- Thanks to the protection guard, you can cut, in complete safety, any plastic and metal up to 1030mm wide
- Maximum cutting thickness: ABS, PMMA, PS, Stratified 7.0mm.
- Maximum cutting thickness: non-ferrous metal (brass and aluminium) 4.0mm
- Precision cutting of aluminium profiles up to 15mm thick.
- Accurate cutting ensured by the movable stop with automatic return and rule.
- A clean cut thanks to the integrated swarf extractor.
- Automatic lubrication.



Plastic or Metal Shear CSP/CSM

- Perfect manageability.
- Total safety provided by a fixed gear case and guard.
- Optimised precision :
 - Stop on outside with graduated 200mm ruler:
 - Stop on inside with graduated 250mm ruler:
 - Stop for angle cutting with graduated protractor (0-90°).
- Cutting forces reduction by stops transference.
- Dimensions : 530 x 380 x 240 mm.



Corner Shaper CSC

- A practical, compact and easy-to-use tool.
- 13 blade profiles to achieve different shapes on all types of materials (plastics, aluminium, brass).
- Dimensions : 240 x 150 x 120 mm.

Blade profiles available

<p>Blade No.1 Ref. 14500</p>	<p>Blade No.5 Ref. 25589</p>	<p>Blade No.8 Ref. 14507</p>	<p>Blade No.11 Ref. 14510</p>
<p>Blade No.3 Ref. 14502</p>	<p>Blade No.6 Ref. 14505</p>	<p>Blade No.9 Ref. 14508</p>	<p>Blade No.12 Ref. 14511</p>
<p>Blade No.4 Ref. 14503</p>	<p>Blade No.7 Ref. 14506</p>	<p>Blade No.10 Ref. 14509</p>	<p>Blade No.13 Ref. 14512</p>

BEVELLING AND GRINDING MACHINES



B4

- Simple beveling for plastic materials up to 1.6 mm
- 2 types of beveling 45° and 90°.
- 2 different types of tool 3.17mm diam. (steel and tungsten carbide) depending on the material to be bevelled.
- Dimensions : 310 x 160 x 120mm.



B6

- For easy beveling on plastic and metal materials up to 3.2 mm thick
- 2 tools diam. 6.35 mm delivered with the basic equipment give you 2 types of beveling, 45° and 90°.
- An original device to cut rounded corners with 3 different radii (5-10 and 15 mm).
- An integrated swarf extractor for clean high quality work.
- Dimensions : 500 x 340 x 300mm.



VA2

- For easy beveling on plastic and metal materials up to 6mm thick.
- A saw blade integrated into a protection guard, which bevels thicker plastic or metal plates (up to 6mm for plastic).
- An integrated swarf extractor for clean, high-quality work.
- Dimensions : 300 x 200 x 200mm.



CG-30

- Reliability and Quality. The CG 30 grinding machine benefits from Gravograph's high manufacturing standards and knowledge.
- Compact, CG 30 requires minimal workspace.
- Easy to use. CG 30 grinds any type of cutter: conical, cylindrical, with flat ends.
- Ergonomic. CG 30 minimises handling and eliminates the risk of errors.
- The cutter is automatically positioned using the guiding tool.
- The principal cutting angles are selected using the graduated index.
- Cutter tipping without disengaging - thanks to the preset index
- Absolute safety. CG 30 protection guard ensures optimum protection.
- Clean. The incorporated dust extractor allows collection of the dust particles.
- A series of collets (various diameters) for grinding cutters ...mm). (3.17, 4.36 & 6.35 mm) (Customers choice).

Grinder collets

- 20890** collet for 3.17 mm cutters
20891 collet for 4.36 mm cutters
20892 collet for 6.35 mm cutters

Grinding wheels

- 20126** iron wheel for sketch and finishing for -HSS Cutters
22806 diamond wheel for finishing on carbide inserts
20125 diamond wheel for carbide cutters

Diamond dressers

- 20895** diamond dresser ø 3.17 mm
20894 diamond dresser ø 4.36 mm



CG100

A proven, Gravograph, professional model, its careful finish and solid machine design guarantee long-term precision. Able to sharpen a large range of cutter profiles.

A full range of professional accessories: Microscope, Dust exhaust system, Collets, Twist Drill Grinding Attachment...

- A series of collets for the grinding of cutters (3.17, 4.36 & 6.35 mm) (Customers choice).

Grinder collets

- 20923** collet for 3.17 mm cutters
20924 collet for 4.36 mm cutters
20925 collet for 6.35 mm cutters
20921 collet for 3.00 mm cutters
24130 collet for 4.00 mm cutters
24131 collet for 6.00 mm cutters

Grinding wheels

- 20909** diamond wheel ø100 mm - D64
15969 corundum wheel ø100 mm
11849 rough engraving diamond wheel ø100 mm - D46
11850 finishing diamond wheel ø75 mm - D16

ROTARY MACHINES

IM4

Innovative, compact, quiet

An affordable marking system that's convenient, practical, and easy-to-operate. Three configurations

Package 1: For express engravers

Package 2: For jewellers

Package 3: For industrial applications



Engraving area 120 x 80 mm

IM4R/RM

Inner-ring engraving machine

IM4R used in combination with the IM4, for diamond engraving on the inside of soft and valuable materials.

Inner-ring diameter: maximum 24 mm, minimum 13 mm

Base area: 38 x 26 cm

IM4RM, standalone version, as above, though with integrated electronics for direct connection to a PC.



IS200

Small and quiet for engraving flexibility

Engraving area: 225 x 80 mm

Table-top machine on a base, including vice; very quiet

DC spindle motor. Integrated interface, serial or parallel port.



Specific versions

IS 200 top: upper section, for self-installation on the base

IS200 TX

System combined with machine base to enable you to take on bulkier engraving work, adjustable height, tiltable.



IS200 APF

Automatic plate feeder

Equipped with a pneumatic sheet feeder, the IS 200 APF may be used for series production of plates and circular blanks, minimum material thickness 0.8mm, suitable for plastics and metals (0.5 mm option). May also be used for one-off productions. Engraves plates of between 10 x 8 mm and 115 x 60 mm, circular blanks of 10 - 60 mm Ø.

IS400

Compact, for A4 format engraving.

Table top machine on a base, including vice; very quiet and powerful DC spindle motor, constant current. Remote control interface, serial or parallel port.

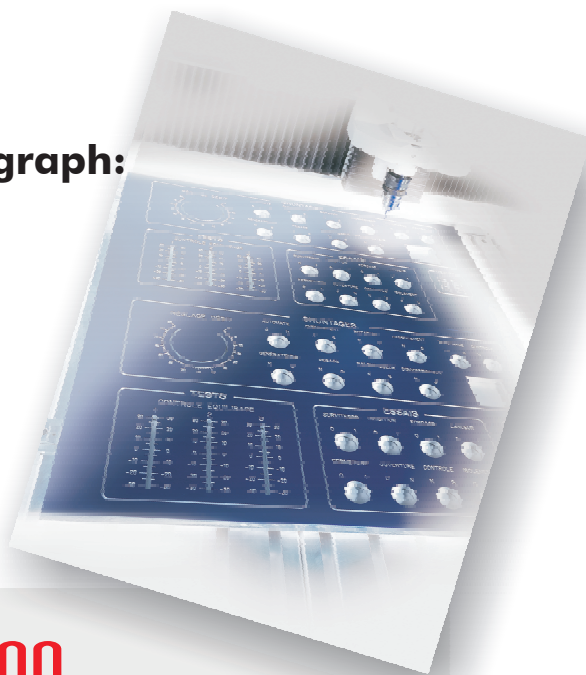
Specific version:

IS400 top: upper section, for assembly on its own base

Engraving area: 305 x 210 mm



Gravograph:



IS400_G

An affordable marking system that's quiet, fast and easy to operate. Perfect for the retail and gift shop.

Complete system includes machine, accessories and user friendly GravoStyle Gift software.

Quick and easy to switch between cylindrical and flat engraving. Self-centering motorized vise for quick clamping of item to be engraved. Self-contained lubrication system for glass engraving.

Engraving area: 305 x 210 mm, tiltable cylinder engraving up to 120 mm diam.



IS400_{VOL}

Very quiet and powerful DC spindle motor. Motorised central clamping system allowing to switch from engraving on flat materials straight on to cylindrical objects without prior parameter settings. Complete access to the object to be engraved. Connected to a computer, it is totally compatible with any PC graphics software generating HPGL files.

Adjustable rotation speed from 11000 to 20000 rpm for machining of various materials.

Engraving area 305 x 270 mm, maximum 400 mm spindle travel.



Total Solutions for your Permanent Marking Needs

IS6000/7000/8000 is a series of machines with rigid, monobloc frames, in welded steel. Powerful DC spindle motor.

Adjustable rotation speed from 13000 to 20000 rpm for machining of various materials. 880 mm clearance between columns. Gravograph's software, GravoStyle, allows you to design and create your work efficiently

IS6000

Engraving area 610 x 410 mm



IS7000

Engraving area 610 x 410 mm



IS8000

(Not shown)
Engraving area 610 x 1220 mm

IS8000/7000/8000XP series is equipped with DC, X, Y and Z-axis motors and ball bearing screws with prestressed nuts. High frequency 300 W spindle with pneumatic tool clamping (optional).



Engraving areas like **IS6000/7000/8000**

Picture shows **IS8000XP** on stand (Option).

LASER MACHINES



New Lasers with heavy-duty attitudes and integrated software.

With three brand new Lasers, and a total of fifteen configurations to choose from, now you can have a heavy duty laser without having to settle for a "light-weight" system. Just look at the variety our new laser line offers:

- Choose from a 305 x 305 mm, 305 x 610 mm or 610 x 610 mm engraving area machine • 10, 20, 30, 40, 60 or 80 watt options • Integrated printer driver and GravoStyle5 graphic level • 250 mm focal adjustment expands your ability to engrave from flat to cylindrical objects quickly • Ease of access with front loading door • Models available for first time user with limited budget or experienced user with mid to high volume • Great for large size parts and high volume of cutting • Ideal for locations with limited space

Depending on the model you select, the LS Laser Systems are ideal for:

- Name Tags • Ink Pens • Key Chains • Paper Products • Plaques • Low or high volume rubber stamps • Name Plates • Business Card Holders • Signage • Wooden Items • Trophy Plates • CERDEC Processing • Glass and Crystal • Architectural Models • Thick Acrylic Cutting • Objects requiring rotation...and many more.

SOFTWARE



The world's only integrated software for both Laser and Rotary machines.

Now switching between your Rotary engraver and Laser has never been easier. Introducing GravoStyle5 Software for the Rotary and Laser engravers. This truly integrated, single platform shares a majority of the same tools and job formats and eliminates importing and exporting between different software saving you time and errors.

Operators simply enter all job settings, such as speed, power level, etc., and save them for future use. No need to re-enter job settings each time a job is run.

GRAVOSERVICE

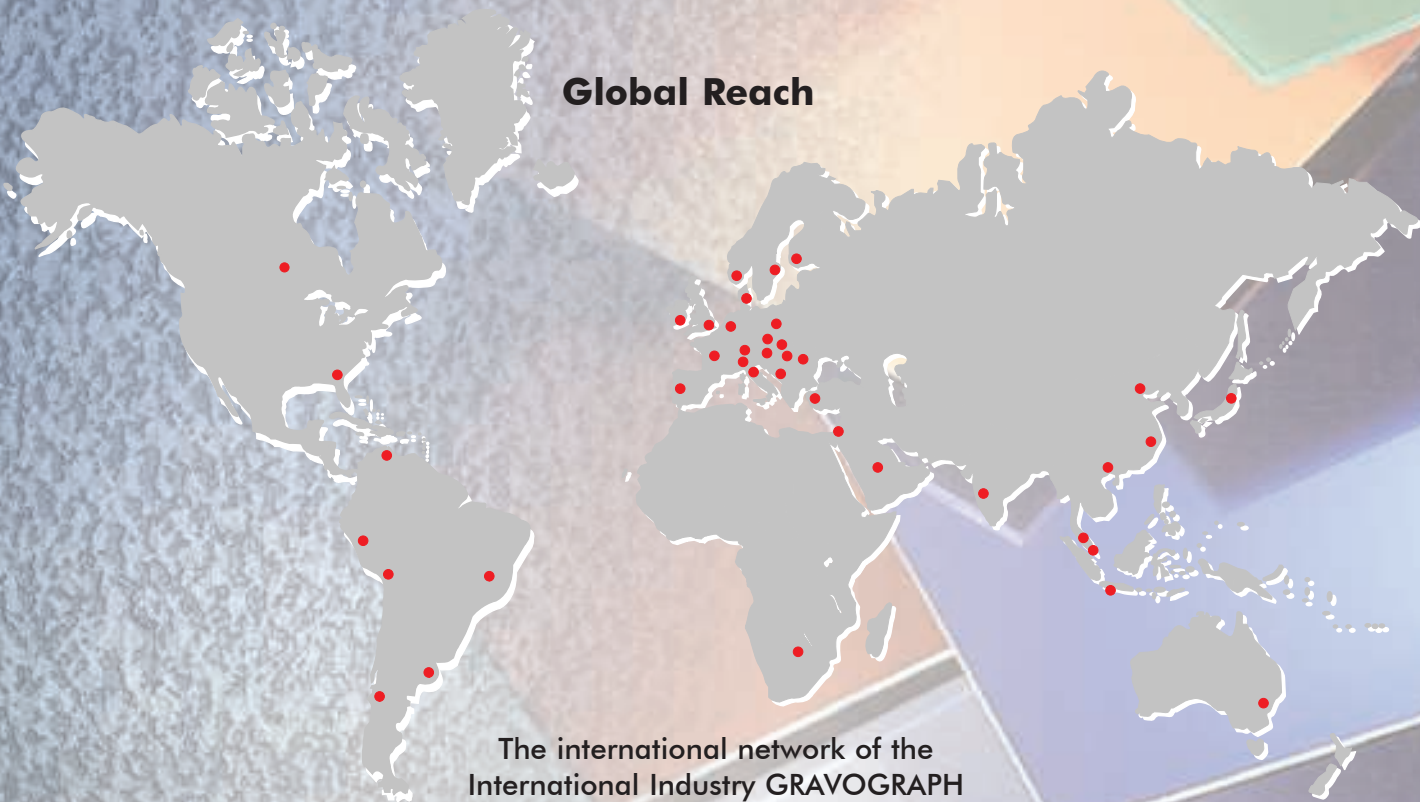
GravoCare machine maintenance contract

After the factory warranty, Gravograph offers you the possibility to extend this warranty by subscribing to a GravoCare maintenance contract. These tailor made contracts fully secure your engraving system throughout the years, taking into consideration your applications and intensity of use. Contact us for further information and conditions.

Engravers Academy

To maximise your investment, Gravograph offers a range of training programs on machines, software, materials, cutter grinding, etc. Contact us for the Engravers Academy training offer.

Global Reach



The international network of the International Industry GRAVOGRAPH group, is composed with 13 subsidiaries and more than 40 agents in the world, each of one assuring you the best possible support and service.



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