Laser and Engraving Materials

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The ideal material for each application!

Trotec offers solution for almost all requirements in the field of engraving, cutting and marking. High-quality, innovative laser system solutions as well as highest standard consumables form this outstanding portfolio.

We aim to assist our customers gain improve profitability and productivity by supplying Trotec materials which offer superior results first time, offering additional services such as our in house ‘cut to size’ service and providing a one stop shop solution, allowing our clients to purchase all their products via one call or email.

We are proud to be manufacturer of a full range of Trotec laminates that is completed by additional high-quality products of selected suppliers. We want to make you more profitable by profiting from this advantages:

• Engrave efficiently with fewer passes
• Minimised cleaning effort:
  • less residue when engraving
  • non-sticky laser cut edges
• Consistency in quality and colours
• Highly durable materials

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Any colour deviations between the images shown in the catalogue and actual items are due to electronic depiction or typographical reasons and are not considered mistakes.
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**Laser material**
Applicable to materials with an acrylic core. Many coated or anodised metals can be laser engraved or marked but cannot be vector cut.

**Exterior use**
This material is UV-resistant and suitable for outdoor use. Of course, it can also be used for indoor applications.

**Engraving materials**
This material (usually with ABS core) is suitable for use with mechanical engraving devices.

**Indoor use**
This material is not suitable for long-term, unprotected use in outdoor areas (UV exposure may cause discolouration).

**Self-adhesive film**
Adhesive backing can be applied to many materials. Save time and order material sheets that are already self-adhesive.

**Reverse engraving**
This material is engraved from the back using mirrored graphics. The engraved area can be infilled or backlit to enhance the contrast against the coloured background.

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TroLase is an UV-resistant acrylic based laminate for both indoor and outdoor applications. Benefiting from a thin top layer it enables detailed engraving at high production speeds. Its superior composition minimises residue, therefore reducing the need for cleaning whilst maximising your output.

Applications
- Interior Signs
- Exterior Signs
- Badges
- Trophy Plates
- Safety Signs
- Industrial signage
- Legend plates

Material Features
- **Material:** Micro-surfaced impact acrylic, 2 ply / 3 ply
- **Finish:** matt non-glare, gloss
- **Thickness:** 0.8 mm / 1.6 mm / 3.2 mm
- **Engraving depth:** 0.08 mm
- **Cutting method:** laser, saw, guillotine
- **Sheet size:** 1245 x 616 mm

Selected colours are also available in a 3-ply finish. Here, in addition to the surface and core layers there is an extra layer in the colour and thickness of the surface layer applied on the back.
## Laserable Materials

<table>
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<td>Yellow/Black</td>
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<td>Orange/White</td>
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<tr>
<td>Dark Walnut/White</td>
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<td>White/Black/White</td>
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<td>Black/White</td>
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<td>Navy Blue/White</td>
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<td>Almond/Black</td>
<td>L854-206</td>
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<td>Purple/White</td>
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<tr>
<td>Black/Silver</td>
<td>L413-206</td>
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<tr>
<td>Gloss Black/White</td>
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<tr>
<td>Black/Gold</td>
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<td>Gloss Black/Gold</td>
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<td>Gloss Black/Gold</td>
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**Note:** The codes represent the material types and thicknesses available. The numbers indicate the thickness in millimeters.
TroLase Metallic is an acrylic based laminate with an authentic metallic finish. Benefiting from a thin top layer it enables detailed engraving at high production speeds. For external applications and cost effective, time saving alternatives to metal engraving, we recommend TroLase Metallic Plus which is UV-resistant.

**Applications**
- Interior Signs
- Exterior Signs (Metallic Plus)
- Badges
- Trophy Plates
- Safety Signs
- Funeral Plates

**Material Features TroLase Metallic Plus**
- **Material:** Modified impact acrylic, 2 ply
- **Finish:** brushed metal
- **Thickness:** 0,8 mm / 1,6 mm / 3,2 mm
- **Engraving depth:** 0,08 mm
- **Cutting method:** laser, saw, guillotine
- **Sheet size:** 1245 x 616 mm

**Material Features TroLase Metallic**
- **Material:** Micro-surfaced impact acrylic, 2 ply
- **Finish:** brushed metal, smooth
- **Thickness:** 0,8 mm / 1,6 mm / 3,2 mm
- **Engraving depth:** 0,08 mm
- **Cutting method:** laser, saw, guillotine
- **Sheet size:** 1245 x 616 mm
TroLase Reverse comprises of a transparent acrylic fascia with a coloured coating on the reverse side. By reverse engraving your image into the coloured layer you expose clear text/image which can either be infilled with your choice of acrylic paint or backlit for an effective contrast. As an additional feature the reverse has a third layer of Black backing which significantly reduces the cleaning time and enhances the depth of colour.

**Applications**
- Interior Signs
- Exterior Signs
- Badges
- Safety Signs
- Control Panels

**Material Features**
- **Material:** Micro-surftaced impact acrylic with back-coating, 2 ply
- **Finish:** matt non-glare, gloss (gold and silver)
- **Thickness:** 1.6 mm
- **Engraving depth:** 0.08 mm
- **Cutting method:** laser, saw
- **Sheet size:** 1245 x 616 mm
TroGlass is a transparent, cast gloss acrylic with a coloured coating on the reverse side. By reverse engraving the back and infilling the engraved areas with colour or backlighting an elegant finish can be created. A third layer of Black backing which significantly reduces the cleaning time and enhances the depth of colour. Plexiglas GS® is a clear cast acrylic. It is suitable for applications where excellent transparency is required.

### Applications
- Interior Signs
- Exterior Signs
- Safety Signs
- Promotional & Display Signage

### Material Features TroGlass
- **Material**: Micro-surfaced impact acrylic with back-coating, 2 ply
- **Finish**: gloss
- **Thickness**: 3.0 mm / 5.0 mm
- **Engraving depth**: 0.08 mm
- **Cutting method**: laser, saw
- **Sheet size**: 1220 x 610 mm

### Material Features Plexiglas®
- **Material**: Cast acrylic, 1 ply
- **Finish**: gloss
- **Thickness**: 2.0 mm / 3.0 mm / 4.0 mm / 5.0 mm / 6.0 mm / 8.0 mm / 10.0 mm
- **Cutting method**: laser, saw
- **Sheet size**: 1500 x 1000 mm
TroLase ADA Signage is a solid, dyed, acrylic based material primarily used for the production of braille and tactile signage. With the added advantage of being UV stable it is ideal for functional signage in indoor and outdoor areas, for cutting out letters and for creating 3-dimensional signs. The thinner options are increasingly becoming a popular medium in the production of architectural model making.

**Applications**
- Exterior & Interior Signs
- ADA compliant braille & Tactile Signage
- 3 Dimensional Signs
- Model Making
- Cut Out Letters

**Material Features**
- **Material:** Single-ply modified acrylic
- **Finish:** matt
- **Thickness:** 0,8 mm / 1,0 mm / 1,6 mm / 3,2 mm
- **Cutting method:** laser, saw, guillotine
- **Sheet size:** 1245 x 616 mm
Order TroLase ADA Signage with self-adhesive film applied to the back. This allows you to easily mount letters cut-out from the material plate on base plates or walls. During assembly use the cut material plate as a template for spacing and as a line level.

A few tips for best results:
- Materials must be even and without bends or distortions.
- A cutting grate should always be used when cutting plastics, in order to lift the material.
- Remove the protective film, in order to prevent discolouration or excessive smoke.
- If excess smoke results, then too much energy is being used. In this case increase the speed.
TroLase Thins are extremely flexible and ideally suited to applications on curved surfaces. With an acrylic base and thin foiled surface you can achieve detailed, elegant engraving accommodating both the trophy and award industry as well as the industrial market. New additions include solid White and Black, proven medium for 3D model makers.

### Applications
- Interior Signs
- Badges
- Trophy Plates
- Safety Signs
- Business Cards
- Architectural model making

### Material Features
- **Material:** Micro-surfaced pre-adhesive plastic, 2 ply
- **Finish:** matt non-glare, gloss, brushed metal
- **Thickness:** 0,5 mm
- **Engraving depth:** 0,08 mm
- **Cutting method:** laser, saw, guillotine
- **Sheet size:** 1245 x 614 mm
TroLase Thins

- Brushed Gold/Black 0.5 mm LT734-202
- European Gold/Black 0.5 mm LT754-202
- Brushed Aluminium/Black 0.5 mm LT354-202
- White/Black 0.5 mm LT204-202
- Brushed Copper/Black 0.5 mm LT894-202
- Black/White 0.5 mm LT402-202
- Trophy Gold/Black 0.5 mm LT794-202
- Brushed Silver/Black 0.5 mm LT334-202
- Yellow/Black 0.5 mm LT744-202
- Brushed Bronze/Black 0.5 mm LT874-202
- Trophy Silver/Black 0.5 mm LT394-202
- Red/White 0.5 mm LT602-202
- Deep Bronze/Black 0.5 mm LT884-202
- Smooth Silver/Black 0.5 mm LT344-202
- Blue/White 0.5 mm LT512-202
- Gloss Black/Gold 0.5 mm LT427-202
- Gloss Black/Silver 0.5 mm LT423-202
- Purple/White 0.5 mm LT582-202
- Black/Gold 0.5 mm LT417-202
- Black/Silver 0.5 mm LT413-202
- White single ply 0.5 mm LT202-102
- Celestial Blue/Gold 0.5 mm LT577-202
- Port Wine/Gold 0.5 mm LT677-202
- Black single ply 0.5 mm LT404-102
TroLase Textures are two-layer acrylic based materials, suitable for applications in demanding environments, where extra durability and scratch resistance are required. The textured, matt surface is non-reflective, durable and easy to clean. TroLase Textures are UV- and weather-resistant, suitable for indoor and outdoor use.

**Material Features**

- **Material**: Co-extruded impact acrylic 2 ply
- **Finish**: textured matt
- **Thickness**: 1.6 mm / 3.2 mm
- **Engraving depth**: 0.18 mm
  - 0.25 mm Red and Yellow
- **Cutting method**: laser, saw, guillotine
- **Sheet size**: 1220 x 610 mm

**Applications**
- Exterior & Interior Signs
- Badges
- Safety Signs
- Control Panels
- Industrial Applications
TroLase Lights are a highly flexible UV stable robust film with an adhesive coating on the reverse. The self-adhesive film adheres perfectly to various materials such as metals, plastic, rubber, and wood and makes it a popular material in industry and commerce.

Material Features

**Material:** Micro-surfaced pre-adhesive plastic, 2 ply
**Finish:** gloss, brushed metal
**Thickness:** 0.1 mm
**Engraving depth:** 0.04 mm
**Cutting method:** laser, guillotine
**Sheet size:** 600 x 305 mm

Applications

- Exterior & Interior Signs
- Badges
- Trophy Plates
- Inscription Foil
- Labels / Stickers
- Packaging Labels

![Material Features](image1)

White/Black
0.1 mm
LL62-201

Yellow/Black
0.1 mm
LL68-201

Black/White
0.1 mm
LL61-201

Black/Silver
0.1 mm
LL75-201

Smooth Silver/Black
0.1 mm
LL73-201

Smooth Gold/Black
0.1 mm
LL74-201

Brass/Black
0.1 mm
LL64-201

Brushed Silver/Black
0.1 mm
LL63-201

White/Black
0.1 mm
LL62-201

Black/Gold
0.1 mm
LL65-201

Smooth Gold/Black
0.1 mm
LL74-201

Brushed Silver/Black
0.1 mm
LL63-201

Black/White
0.1 mm
LL61-201

Black/Silver
0.1 mm
LL75-201

Brushed Brass/Black
0.1 mm
LL64-201

Smooth Silver/Black
0.1 mm
LL73-201

Yellow/Black
0.1 mm
LL68-201

Black/Silver
0.1 mm
LL75-201

Black/Gold
0.1 mm
LL65-201

Brushed Brass/Black
0.1 mm
LL64-201
LaserFlex is a high quality, multi-layered polyurethane film highly suited for customising textiles. The laser can realise even the finest details with intricate motifs, which would be impossible to achieve with a cutting plotter. Once the motif has been engraved and cut out on the laser unit, the design is applied to the textiles using a transfer press. LaserFlex is characterised by good opacity and high elasticity.

**Applications**
- Customisation of T-shirts
- Customisation of fabric bags
- Cotton, polyester, blended fabrics
- Less suitable for nylon and coated textiles
- Flex on flex is possible

**Material Features**
- **Material:** Polyurethane foil on transfer paper
- **Finish:** Matt
- **Thickness:** 0,1 mm
- **Engraving depth:** 0,04 mm
- **Cutting method:** Laser, guillotine
- **Sheet size:** 420 x 297 mm (A3)
LaserFlex has been specially designed to not only be cut but also to be weeded by laser. This means that it is no longer necessary to mechanically remove excess material between graphics and letters or along edges.

**Recommended transfer conditions:**
- **Temperature:** 165 °C
- **Duration:** 17 seconds

LaserFlex film can be washed at up to 60 °C. Any residues can be removed by washing.
TroPly features a thin surface coating, which allows for intricate details and fast engraving without shading effects. The reflection-free surface allows clear and easy-to-read designs to be created of the very smallest engraved images.

**Applications**
- Interior Signs
- Badges
- Trophy Plates
- Safety Signs
- Information Signs

**Material Features**
- **Material:** ABS, 2- / 3 ply
- **Finish:** non-glare
- **Thickness:** 0,8 mm / 1,6 mm / 2,4 mm
- **Engraving depth:** 0,08 mm
- **Cutting method:** saw
- **Sheet size:** 1245 x 616 mm

Selected colours are also available in a 3-ply finish. Here, in addition to the surface and core layers there is an extra layer in the colour and thickness of the surface layer applied on the back.
TroPly Metallic is characterised by a precious metal look and ideal for the finest details with clear contrast as well as fast and cost-efficient processing. TroPly Metallic Plus features a special protective layer, which is particularly resistant to scratches and wear.

### Material Features TroPly Metallic Plus
- **Material:** ABS, 2 ply
- **Finish:** brushed and smooth metal
- **Thickness:** 0,8 mm / 1,6 mm / 2,4 mm
- **Engraving depth:** 0,08 mm
- **Cutting method:** saw, by guillotine
- **Sheet size:** 1245 x 616 mm

### Material Features TroPly Metallic
- **Material:** ABS, 2 ply
- **Finish:** brushed and smooth metal
- **Thickness:** 0,8 mm / 1,6 mm / 2,4 mm
- **Engraving depth:** 0,08 mm
- **Cutting method:** saw, guillotine
- **Sheet size:** 1245 x 616 mm

### Applications
- Interior Signs
- Badges
- Trophy Plates
- Funeral Plates
- Information Signs
→ TroPly Metallic Plus

- Brushed Gold/Black
  - 1.6 mm PMT+734-206
  - 2.4 mm PMT+734-207
- Deep Bronze/Black
  - 1.6 mm PMT+884-206
- Brushed Silver/Black
  - 1.6 mm PMT+334-206
- Smooth Silver/Black
  - 1.6 mm PMT+344-206
- Brushed Copper/Black
  - 1.6 mm PMT+894-206
- Brushed Aluminium/Black
  - 1.6 mm PMT+354-206

→ TroPly Metallic

- Brushed Gold/Black
  - 0.8 mm PMT734-203
  - 1.6 mm PMT734-206
  - 2.4 mm PMT734-207
- Deep Bronze/Black
  - 1.6 mm PMT884-206
- Brushed Silver/Black
  - 0.8 mm PMT334-203
  - 1.6 mm PMT334-206
  - 2.4 mm PMT334-207
- Smooth Silver/Black
  - 0.8 mm PMT344-203
  - 1.6 mm PMT344-206
  - 2.4 mm PMT344-207
- Brushed Copper/Black
  - 0.8 mm PMT894-203
  - 1.6 mm PMT894-206
- Brushed Aluminium/Black
  - 0.8 mm PMT354-203
  - 1.6 mm PMT354-206
  - 2.4 mm PMT354-207
- Smooth Gold/Black
  - 0.8 mm PMT714-203
  - 1.6 mm PMT714-206
  - 2.4 mm PMT714-207
- Brushed Bronze/White
  - 1.6 mm PMT872-206
- Brushed Gold/Blue
  - 1.6 mm PMT725-206
- Brushed Silver/Blue
  - 1.6 mm PMT325-206
TroPly Satins is supplied as standard with a brushed finish. An interior laminate with an extensive colour range, it is ideally suited to internal signage, nameplates, key tags and personal identification. The solid cap offers a highly durable and scratch resistant surface.

**Applications**
- Interior Signs
- Badges
- Safety Signs
- Information Signs

**Material Features**
- **Material:** Acrylic cap / ABS core, 2 and 3 ply
- **Finish:** gloss-brushed
- **Thickness:** 0,8 mm / 1,6 mm / 2,4 mm / 3,2 mm
- **Engraving depth:** 0,30 mm
- **Cutting method:** saw, guillotine
- **Sheet size:** 1220 x 610 mm

Selected colours are also available in a 3-ply finish. Here, in addition to the surface and core layers there is an extra layer in the colour and thickness of the surface layer applied on the back.
TroPly Satins

- Red/White: 1,6 mm, PS602-206
- Polar White/Black: 1,6 mm, PS234-206, 2,4 mm, PS234-207
- Blue/White: 1,6 mm, PS512-206
- Yellow/Black: 1,6 mm, PS704-206
- White/Black: 0,8 mm, PS204-203, 1,6 mm, PS204-206
- Black/White: 1,6 mm, PS402-206
- White/Red: 1,6 mm, PS206-206
- Airforce Blue/White: 1,6 mm, PS532-206
- White/Blue: 1,6 mm, PS205-206
- Red/Black: 1,6 mm, PS604-206
- Purple/White: 1,6 mm, PS582-206
- Grey/White: 2,4 mm, PS302-207
- Orange/White: 1,6 mm, PS612-206
- White/Green: 1,6 mm, PS209-206
- Grey/Black: 1,6 mm, PS304-206
- Orange/Black: 1,6 mm, PS614-206
- Green/White: 1,6 mm, PS932-206
- White/Red/White: 3,2 mm, PS206-309
- White/Black/White: 1,6 mm, PS234-306, 3,2 mm, PS234-309
- White/Blue/White: 3,2 mm, PS205-309
- Red/White/Red: 3,2 mm, PS602-309
- Black/White/Black: 3,2 mm, PS402-309
- Blue/White/Blue: 3,2 mm, PS512-309
- Burgundy/White/Burgundy: 3,2 mm, PS622-309
- Yellow/Black/Yellow: 3,2 mm, PS704-309
- Green/White/Green: 3,2 mm, PS932-309

Bestseller
TroPly Ultra is a UV non-glare modified acrylic laminate for internal or external applications. The thicker cap increases protection providing an ideal solution for harsh environments or external professional signage and directories.

**Applications**
- Exterior & Interior Signs
- Badges
- Safety Signs
- Control Panels
- Braille Signage
- Plant Labels

**Material Features**
- **Material**: Multi surface impact acrylic, 2 ply
- **Finish**: matt
- **Thickness**: 1.6 mm / 3.2 mm
- **Engraving depth**: 0.30 mm
- **Cutting method**: saw
- **Sheet size**: 1220 x 610 mm
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TroPly Ultra Reverse is a transparent acrylic glass with a coating on the back. A transparent image is created by engraving the coloured back. This engraving can then be filled with colours. The protective transparent acrylic glass in combination with the deep coloured layer on the back makes TroPly Ultra Reverse resistant to adverse external influences and easy to clean.

**Applications**
- Exterior & Interior Signs
- Badges
- Safety Signs
- Information Signs
- Braille Signage
- Industrial Signs

---

**Material Features**

- **Material**: Laminated impact acrylic, 1-/ 2-ply
- **Finish**: matt
- **Thickness**: 0,8 mm / 1 mm / 1,6 mm / 3,2 mm
- **Engraving depth**: 0,30 mm
- **Cutting method**: saw
- **Sheet size**: 1220 x 610 mm
TroPly HiGloss is highly polished, lustrous in colour and UV stable, suited to both internal and external applications. A thick cap offers resistance to abrasion and whilst suited to mechanical engraving, its modified acrylic composition enables the added advantage of being able to cut intricate shapes using a laser.

### Applications
- Exterior & Interior Signs
- Badges
- Safety Signs
- Information Signs
- Industrial Signs
- Plant Labels

### Material Features

**Material:** Laminated impact acrylic, 2- / 3 ply  
**Finish:** gloss  
**Thickness:** 1.6 mm / 3.2 mm  
**Engraving depth:** 0.30 mm  
**Cutting method:** saw  
**Sheet size:** 1220 x 610 mm

Selected colours are also available in a 3-ply finish. Here, in addition to the surface and core layers there is an extra layer in the colour and thickness of the surface layer applied on the back.
TroPly HiGloss

Bestseller

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<thead>
<tr>
<th>Color Combination</th>
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<td>Ivory/Dark Brown/White/Black/Blue</td>
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Dimensions:
- 1.6 mm
- 3.2 mm
TroPly HiGloss Reverse is polished to a high gloss finish and can be marked on the back, thus creating high-quality signage products. The material is UV stable and weather-proof and therefore suitable for indoor and outdoor use. A 3D effect can be achieved by using an appropriate milling cutter. The material is ideal for backlighting.

**Applications**
- Interior Signs
- Exterior Signs
- Control Panels
- Safety Signs
- Industrial Signs

**Material Features**
- **Material:** Acrylic, 1- / 2 ply
- **Finish:** gloss
- **Thickness:** 1,6 mm / 3,2 mm
- **Engraving depth:** 0,30 mm
- **Cutting method:** saw, rotary jar
- **Sheet size:** 1220 x 610 mm
TroPly HiGloss Reverse

- **Clear/Red**: PHR600-206, PHR600-209 (1.6 mm, 3.2 mm)
- **Clear/Burgundy**: PHR630-209 (3.2 mm)
- **Clear/Yellow**: PHR700-206, PHR700-209 (1.6 mm, 3.2 mm)
- **Clear/Green**: PHR900-206, PHR900-209 (1.6 mm, 3.2 mm)
- **Clear/Teal Green**: PHR910-209 (3.2 mm)
- **Clear/Blue**: PHR510-206, PHR510-209 (1.6 mm, 3.2 mm)
- **Clear/Sapphire**: PHR560-209 (3.2 mm)
- **Clear/Airforce Blue**: PHR540-206, PHR540-209 (1.6 mm, 3.2 mm)
- **Clear/Black**: PHR400-206, PHR400-209 (1.6 mm, 3.2 mm)
- **Clear/Silver**: PHR370-209 (3.2 mm)
- **Clear /Gold**: PHR750-206, PHR750-209 (3.2 mm)
- **Clear/White**: PHR200-206, PHR200-209 (1.6 mm, 3.2 mm)
- **Clear/Ivory**: PHR230-209 (3.2 mm)
- **Clear/Blue Single ply**: PHR100-106, PHR100-109 (1.6 mm, 3.2 mm)
- **Clear/Green Single ply**: PHR100-106, PHR100-109 (1.6 mm, 3.2 mm)
Anodised or colour anodised aluminum is suitable both for engraving with a CO₂ laser and with mechanical engraving devices. The protective anodised coating remains intact during laser processing. The image contrast is caused by the removal of the coloured coating and almost photographic qualities can be achieved. A detailed, white engraved image is created.

**Applications**
- Exterior & Interior Signs
- Type Plates
- Serial Number Plates
- Barcodes
- Signs with advertising impact
- ID Tags

**Material Features**

**Material:** anodised aluminium, single ply  
**Finish:** matt, gloss  
**Thickness:**  
- matt: 0,5 / 1,0 / 1,5 / 2,0 / 3,0 mm  
- gloss: 1,0 / 1,5 / 2,0 mm

**Cutting method:** saw, rotary jar  
**Sheet size:** 1000 x 500 mm
DuraBlack™ is a coated aluminum with a black surface, which can be marked in white with a CO₂ laser. Due to the additional layer of protection, DuraBlack™ is particularly resistant to environmental influences (weathering, salt water, chemicals, etc.). DuraBlack™ conforms with various industrial and military standards, including MIL-STD 130N, A-A-50271 (MIL-P-514D) and MIL-STD-15024F, Type L.

### Applications
- Exterior & Interior Signs
- Type Plates
- Badges
- Materials Handling
- Military Signage

### Material Features

- **Material:** Aluminium, anodized
- **Finish:** matt
- **Thickness:** 0.5 mm
- **Cutting method:** saw, rotary jar
- **Sheet size:** 508 x 609 mm

**Laser material - Interior use - Exterior use**

- Black matt 0.5 mm 77796
AlumaMark™ is a coated aluminum with a black surface, which can be marked in white with a CO₂ laser. AlumaMark™ is designed in such a way that even low laser power levels can create a high-contrast engraving.

### Applications
- Interior Signs
- Name Plates
- Badges
- Trophy Signs
- Labels

### Material Features
- **Material:** Aluminium, anodised
- **Finish:** matt
- **Thickness:** 0.5 mm
- **Cutting method:** saw, rotary jar
- **Sheet size:** 508 x 609 mm

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Flat bed lasers
Speedy family and SP series

The CO₂ laser machines from the Speedy family are ideal for engraving and cutting a variety of materials, such as laminates, stamp rubbers, acrylic, wood, paper, cardboard and many more. Fiber lasers are ideal for laser marking of metals and plastics. Both laser sources are integrated into the laser systems of the Speedy flexx series; maximum flexibility for each application is thus guaranteed. Process virtually any material with a processing area of up to 1000 x 610 mm. The SP series with a processing area of up to 3200 x 2200 mm is ideal for precision processing large materials at high speeds.

Endless Possibilities

Process a virtually unlimited range of materials: With Trotec laser engraving machines stamps can be produced within minutes and series production is also significantly streamlined. Customize honorary prizes, such as trophies or football trophies in the blink of an eye.

Or score highly with clear acrylic cuts: Exceptional shapes for displays, signs and neon signs create more interesting and sophisticated end products. From simple rectangular advertising signs to complex contours and labels anything is possible with Trotec lasers.

About Us

Trotec is a world leader in the field of laser technology and sets new standards. The Upper Austrian innovation leader offers solutions for almost any requirement of the laser marking, engraving and cutting technology sector. Its laser systems stand for quality, reliability and innovation. We manufacture flat bed laser machines, galvo laser systems and exhaust systems.
Galvo Lasers
ProMarker and SpeedMarker series

The ProMarker series offers simple high speed laser processing of metal and plastic parts, such as promotional items, gifts, identification plates and much more. Choose between the ProMarker 100, an open Class 4 laser marking station with precision Z-axis or the compact ProMarker 300, a table marking station, which is characterised by its ergonomics and safety (laser safety class 2). The SpeedMarker series, developed for efficient laser marking of metals and plastics along the entire industrial production chain, offers the perfect combination of intelligent software and high-quality engineering. The laser systems are available in 4 different sizes and in different configurations, to optimally meet your requirements: SpeedMarker 100, SpeedMarker 300, SpeedMarker 700, SpeedMarker 1300.

Demanding marking tasks
No matter whether for production and finishing of high-quality advertising materials or the marking of identification plates or components in large quantities - metals and plastics can be optimally marked with high performance galvo lasers from the ProMarker or SpeedMarker series.

About Us
All of our products are manufactured in Austria. At Trotec, you will also find an extensive selection of engravable materials for laser and mechanical engraving as well as signage and marking accessories. You will receive only the highest quality materials with simple processing properties. Trotec has more than 300 employees and serves customers in over 90 countries. For more information, please visit www.troteclaser.com.
Metal Mark Emulsion

With the help of laser marking equipment metals can be marked with a CO₂ laser. Laser marking devices produce permanent black markings, which are highly resistant to mechanical and chemical stresses as well as high temperatures. Metal Mark Emulsion is available as a paste, spray or tape. The most common method is to apply it using a spray can. Brush application is appropriate whenever the entire surface can be coated with a single brush stroke. Spraying the paste, e.g. using an airbrush, is suitable for coating larger areas in a single step. The tape, however, is a particularly clean solution for smaller areas.

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Paint for Acrylic

Specially designed to use on laser engraved plastics our acrylic filler paints will not affect nor “craze” the lasered area. Fill reverse engraved signs with acrylic colours and create long-lasting, colourful, multi-colour signs.

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Price list

Contact us - we are happy to send you more information and our price list!

Deutschland:  Österreich und Schweiz:
Tel. +49 (0)761 / 15637-0  Tel. +43 (0)7242 / 239-7436
Fax +49 (0)761 / 15637-10  Fax: +43 (0)7242 / 239-7380
info.material@troteclaser.com  gravurmaterailien@troteclaser.com

Any colour deviations between the images shown in the catalogue and actual items are due to electronic depiction or typographical reasons and are not considered mistakes.