

## INFORMATION SHEET

### PRINT FILES AND PRINT OPTIONS



## NOTES ON PREPARING YOUR PRINT DATA

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**File formats** You can place the following graphics files as print templates in Front Panel Designer: PDF, PNG, TIFF, JPG, BMP.

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**Resolution** Graphics should have a resolution of 300 dpi or higher. Ensure that you always use high resolution images for your print templates to avoid pixelated or blurry print results.

### Guidelines

**Photo-realistic print templates:** 300 dpi

**Graphical print templates, such as technical drawings, logos and illustrations:** 400 – 600 dpi

**Print templates containing text:** 600 dpi

**The finer the details, the higher the resolution should be. Work should ideally be saved in PDF files containing text, logos and graphics in vector format.**

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**Colours** If possible, please create your print data in the RGB colour space (sRGB). We will convert your data to our colour profile for print.

Pantone, HKS and RAL colours are custom or spot colours that cannot be printed directly by digital UV print processes. These colours can only be reproduced by approximation. You can find RGB reference values for your colour on the internet. Please note that depending on the colour, you may need to accept certain differences to your desired colour when printing.

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**General information** Print templates to be printed up to the edge of the front panel must be either flush with the cut edge of the front panel or extend slightly beyond it. Please ensure this is the case by zooming in to the file in Front Panel Designer. The unprinted panel edge will be visible if the print template is too small.

If necessary, please delete all drill holes and the panel contour from your print template. These will also be printed and may later be visible due to minimal tolerances during milling.

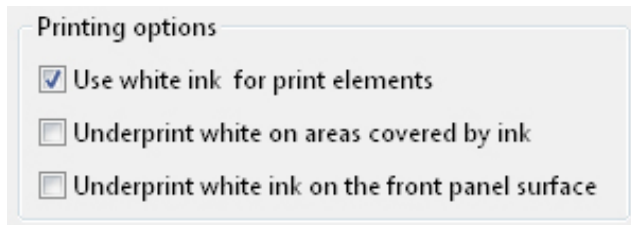
**If necessary, please delete all drill holes and the panel contour from your print template. These will also be printed and may later be visible due to minimal tolerances during milling.**

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**Please prepare your print data according to the specifications described here. This allows us to guarantee optimal results.**

## PRINTING IN WHITE

Our UV print process allows you to print in white. By default, white surfaces are shown as transparent, and are accordingly not printed. You can define whether and how white should be used as a print colour under “Front panel properties” (keyboard shortcut: Ctrl+F).



The following section describes the three different settings and their effect on printing.

### Use white ink for print elements

Using this option causes white areas in your document to also be printed in white. If you use a file format with support for transparent layers (possible with PDF, TIFF or PNG), then these areas will remain transparent.



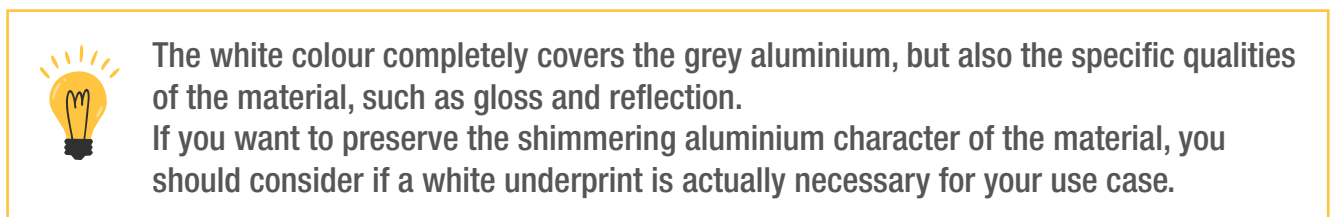
*By default, white surfaces are shown as transparent.*



*Enable “Use white ink for print elements” if you want to print white areas.*

### Underprint white on areas covered by ink

This setting underprints all printed image areas in white. Possible use cases for this setting include natural reproduction of a photo or using a light coloured font. When using colour anodised aluminium as the print material, the “Underprint white on areas covered by ink” option is always enabled.





Without “Underprint white”, the shimmering metallic character of the medium comes into its own. However, because the colours are not opaque, the colour of the metal will influence the design.



“Underprint white” An intermediate layer of opaque white significantly reduces the effect of the metal on the printed colour graphic.



For very bright colours, the effect of the material colour is stronger.



In this case, use the “Underprint white” option to achieve stronger ink coverage.

## Underprint white ink on the front panel surface

The “Underprint white ink on the front panel surface” option applies a white undercoat to the entire surface of your front panel. This is the proper application if you want to print your front panel with white or a light colour.



Application example 1: A white undercoat is applied to the entire front panel – even outside of the print file area.  
Application example



2: The background of the front panel should be printed entirely in white or a light colour.

## PRINTING THE ENGRAVING

You can design your front panel as usual in the Front Panel Designer and easily convert text engravings, engraving elements or HPGL engraving files such as logos for print. You can find this setting in the “Front panel properties” dialog under “Engravings”



## Combining print and engraving

In addition to the global settings, you can specify whether an element should be engraved and infilled or printed in the properties of the individual engraving elements. This makes it possible to combine print and engraving on your front panel.



## PRINT MATERIAL

We currently exclusively use our anodised aluminium for UV printing. Please understand that we cannot print on customer materials.

## DO YOU HAVE ANY FURTHER QUESTIONS? YOU CAN REACH US DIRECTLY:

Monday to Thursday from 8 am – 4 pm  
and Friday from 8 am – 3 pm

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