

# DIGITAL PRINTING – DECOR FOILS



## DIGITAL PRINTING

The digital printing process enables the printing of polyester foils with either glossy or matt surfaces.  
The print resolution is 1440 x 1200 dpi.  
Maximum print size for films with a display window: 20,87" x 14,96".  
Maximum print size for films without a display window: 22,44" x 16,14".  
The total film thickness is 0.02".

## DIGITAL PRINTING COLORS

In digital printing, colors are formed by superimposing microscopic dots of the four primary color inks Cyan, Magenta, Yellow and Key (Black) - CMYK.  
The printing inks can be adjusted to match RAL Classic or Pantone (Formula Guide) color specifications.

Color deviations of  $\Delta E = 2,5$  are possible.

## ADVANTAGES

- Multiple colors can be printed in a single process
- color gradients are possible
- light-proof printing
- through transparent cutouts for display/LED screens, as well as the application of an additional color layer are possible.
- Apart from the print file, no additional printing templates—such as foils, screens or blocks—are required.

## PARTICULARLY SUITABLE FOR

Multi-colored foil designs, color gradients, sequential numbering, barcodes and QR codes.

## NOT SUITABLE FOR

- Foils that require high color accuracy.
- Special colors such as metallic colors, glossy colors, fluorescent colors and photoluminescent colors cannot be printed using the digital printing process.



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## SPECIAL NOTES

On request we can also apply embossing to your foil for key functions.  
We will be happy to apply the foil to the enclosure for you.

## EMBOSSING

Round embossing for key functions is possible, with the following diameters:

Ø	0.12"	0.16"	0.24"	0.28"	0.31"	0.39"	0.47"	0.55"	0.63"	0.71"
Square	0.55" x 0.55"									

The embossing height is 0.02" + 0.01".  
Other embossing shapes are available on special request.

### PLEASE NOTE:

Embossing is not possible on foils printed with a barrier layer, as the increased ink application causes the ink to crack during embossing.

## FONT SIZE, LINE WIDTH, SPACING

The minimum font size is 1.5 mm, the minimum line width is 0.25 mm, and the minimum spacing between lines of 0.02" that are not to be printed touching each other must not be undershot.

## WHAT INFORMATION DO WE REQUIRE AT THE INQUIRY STAGE?

At least a detailed description of the desired lettering, number of colors required, a dimensional sketch or PDF drawing indicating the position and size of the lettering (length, width, Ø).

## WHAT INFORMATION DO WE REQUIRE AT THE ORDER STAGE?

We require the print file as a vector graphic (not a raster graphic)  
on a scale of 1:1, preferably as a .cdr, .eps or .dxf file.

It must be possible to edit all contents of the file.

CMYK color specifications, alternatively RAL Classic or Pantone  
(Formula Guide).



VECTOR GRAPHIC

RASTER GRAPHIC