

# 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: 530 x 380 mm.  
Maximum print size for films without a display window: 570 x 410 mm.  
The total film thickness is 0.5 mm.

## DIGITAL PRINTING COLOURS

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

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

## ADVANTAGES

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

## PARTICULARLY SUITABLE FOR

Multi-coloured foil designs, colour gradients, sequential numbering, barcodes and QR codes.

## NOT SUITABLE FOR

- Foils that require high colour accuracy.
- Special colours such as metallic colours, glossy colours, fluorescent colours and photoluminescent colours 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

Embossing for key functions is possible:

∅ round	3 mm	4 mm	6 mm	7 mm	8 mm	10 mm	12 mm	14 mm	16 mm	18 mm
□ square	10 x 10 mm	12 x 12 mm	14 x 14 mm							

The embossing height is 0.6 mm + 0.2 mm.  
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 0.5 mm 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 colours required, a dimensional sketch or PDF drawing indicating the position and size of the lettering (length, width, ∅).

## 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 colour specifications, alternatively RAL Classic or Pantone  
(Formula Guide).



VECTOR GRAPHIC

RASTER GRAPHIC