

# Silk Screen Printing

## Product

Premium Printing on glass, glass ceramic or plastics gives the final touch and makes the panel unique in appearance and function. High-quality online processing and precise borderless printing in maximum dimensions of 1.600 x 1.200 mm and a creative combination of standard and individual design set us apart.

The printing is done without dust and pinholes and has excellent dimensional accuracy and edge contrast.

## Material

One or two special organic based component colors are used for printing and subsequently baked in ovens. Depending on your application, screen printing can be done with UV-colours and ceramic colours as well, which are then cured at high temperatures.

## Specifications

- Maximum dimensions of printed surface: 1.600 x 1.200 mm
- Positioning accuracy of printing on glass panel: +/- 0.1 mm
- Width of line:  $\geq 0.15$  mm
- Density: To your specification up to  $D = 4$
- Surface defects: To your specification per ISO 10110, Part 7 or DIN 3140, Part 7
- Colours: According to RAL, C-MIX, Pantone or customer's sample, 2K-colors, ceramic colors, conductive paste, etch paste, UV-color.
- Printing: Up to the component edge if required

## Quality Assurance

We print in fully air-conditioned rooms under clean room conditions to ensure a high-quality color application. All glass to be printed is previously inspected and is processed by expert personnel. After printing there is a very careful Final Inspection during which also adhesion, abrasion and solvent resistance are routinely tested.

## Notes

We can do custom job printing on your parts. For this we need precise drawings or artwork for screen production.

## Measuring Instruments for quality Assurance

Properties	Measuring instruments
Color Mix	color measure device, precision scale
Spectral analysis of density	spectrometer
Integral analysis of density	densitometer
Position of printed image, contrast of edge	profile projector
Width of line	microscope
Adherence Cross	cut test, abrasion testing device

On request detailed test records are compiled.

