



Technical Glass.

Silk Screen Printing.

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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 1,200 x 2,000 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-colors and ceramic colors as well, which are then cured at high temperatures.

Specification

| | |
|---|--|
| Max. dimensions of printed surface | 1,200 x 2,000 mm |
| Positioning accuracy of printing on glass panel | ± 0.1 mm |
| Width of line | = 0.15 mm |
| Density | acc. specification up to D = 4 |
| Surface defects | acc. specification per ISO 10110, Part 7 or DIN 3140, Part 7 |
| Colors | acc. to RAL, C-MIX, Pantone or customer's sample, 2K-colors, ceramic colors, conductive paste, etch paste, UV-colors |
| 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 where 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

| | |
|--|---------------------------------------|
| Color Mix | Color measure device, precision scale |
| Spectral analysis of density | Spectrometer |
| Integral analysis of density | Densitometer |
| Position of printed image, contrast edge | Profile projector |
| Width of line | Microscope |
| Adherence Cross | Cut test, abrasion testing device |

On request detailed test records are compiled.



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