



**Screen & Pad Printing Inks
Hi-Tech Printing Stencils**

Services GmbH

Hybrid PS Printing Stencil

The Hybrid PS Screen is a high-tech screen printing stencil, developed for industrial applications. The stencil shows excellent detail reproduction and highest print accuracy. Image carrier is a highly precise nickel mask made by SPGPrints, fixed in a PET mesh. The hexagonal mesh design leads to a homogenous ink or paste transfer. Due to the excellent printing resolution of the stencil, line structures of $> 30 \mu\text{m}$ line width can be realized. The accurate dimensional stability of the Hybrid PS Screen guarantees constant print runs and reduced production costs. Due to virtually distortion-free printing, accurate multi-layer sequences for the manufacture of complex micro electronic devices can be produced. Pröll Services GmbH Hildesheim is a leading supplier of technical screen printing screens.

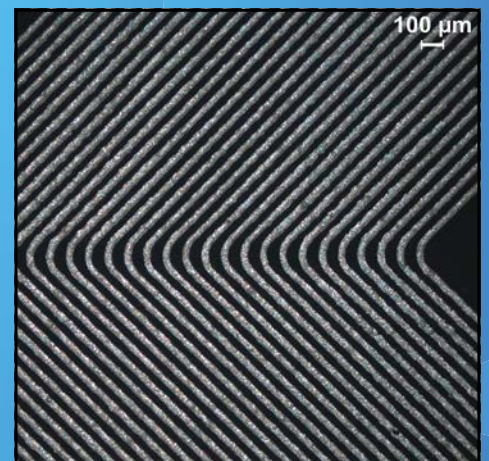
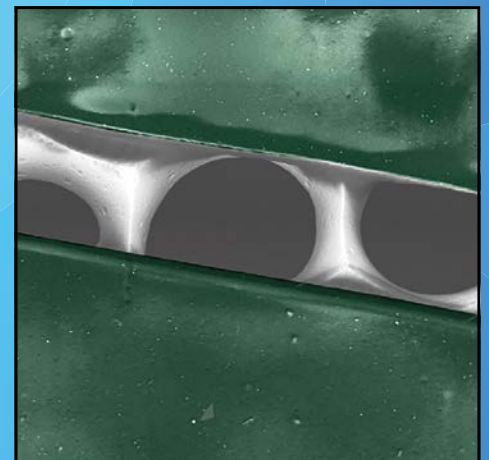
- ❖ Highly precise nickel mask
- ❖ Accurate dimensional stability of $\pm 0.01 \%$
- ❖ Homogenous ink or paste transfer
- ❖ Excellent printing resolution $> 30 \mu\text{m}$ line width
- ❖ Virtually distortion-free print runs $> 10,000$
- ❖ Accurate multi-layer sequences for manufacturing complex micro-electronic devices
- ❖ Reduction of production costs
- ❖ Maximum printing format 1,000 x 1,000 m
- ❖ Approved product quality and certified management processes

PlanoMesh-Types

| Type | 305-30-25% | 305-30-40% | 305-35-50% | 355-32-50% |
|--------------------------------------|------------|------------|------------|------------|
| Mesh / linear inch | 305 | 305 | 305 | 355 |
| Thickness (micron) | 30 | 30 | 35 | 32 |
| Open Area (%) | 25 | 40 | 50 | 50 |
| Hole diameter (micron) | 42 | 52 | 62 | 54 |
| Bridge width (micron) | 42 | 34 | 24 | 18 |
| Theoretical wet ink deposit (micron) | 7 | 12 | 20 | 16 |

Further types on request.

Pröll Services GmbH – your competent and ISO 9001 certified partner for Hi-Tech Printing Screens & Stencils.



Contact us for further information and technical support:

www.proell-services.de

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