

Be  
brilliant.

# Security Printing Plates

nyloprint® and nyloflex® printing plates for the perfect performance  
in security printing



## Highest precision and reliable quality in security printing

In security printing several different print processes are used for the production of one product. XSYS's printing plates make a valuable contribution throughout. **Highest precision and reproducible quality** are the basic requirements for security printing – **XSYS stands for this.**

- + Printing of fine text and guilloche patterns requires the highest possible precision. nyloprint® plates are utilised for such and similar tasks in **direct or indirect letterpress**. For special effects with solid and spot coating with UV varnishes the **nyloprint® WA 116 S Digital** is the perfect choice.
- + For inking-up the gravure cylinders in intaglio printing presses the water-washable **nyloprint® poly chablon plates** are the perfect choice.
- + In **intaglio printing** the nyloprint® gravure printing plate acts as the master form used in the galvanic processing of the actual printing plate. These plates make it possible to manufacture a complete form in one step, much quicker and easier than with conventional processing methods.
- + nyloflex® Gold A and nyloflex® Gold A Digital have been especially developed for **inline and offline coating**. They can be used in sheetfed offset presses as well as in special application presses.

## Printing plates for security printing

### Water-washable poly chablon plates:

- + nyloprint® WS 225<sup>1</sup>
- + nyloprint® WS 230 S
- + nyloprint® WS 230 S Digital

### Intaglio master plates:

- + nyloprint® WSA 52
- + nyloprint® WSA 52 Digital
- + nyloprint® ST 52<sup>2</sup>

### Coating plates:

- + nyloflex® Gold A / Gold A 116 Digital<sup>3</sup>
- + nyloprint® WA-S<sup>1</sup>/WA-S Digital

### Direct and indirect letterpress plates:

- + nyloprint® WS 43/WS 43 Digital<sup>1</sup>
- + nyloprint® WS 58/WS 58 Digital
- + nyloprint® WS 73/WS 73 Digital
- + nyloprint® WS 83/WS 83 Digital

- + nyloprint® WS 94/WS 94 Digital
- + nyloprint® WS 73 W/WS 73 W Digital
- + nyloprint® WS 83 W Digital
- + nyloprint® WS 94 W Digital
- + nyloprint® S 43<sup>2</sup>
- + nyloprint® S 58<sup>2</sup>

<sup>1</sup> Non-standard product <sup>2</sup> Alcohol-washable printing plates <sup>3</sup> Solvent-washable printing plates

XSYS

Print solid. Stay flexible.

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### Advantages of nyloprint® Digital

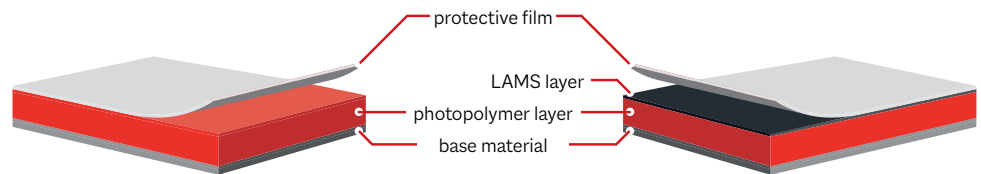
- + **Higher print quality**
  - + Very high resolution – up to 10,000 dpi leads to a reproduction of finest details
  - + Excellent solid density due to brilliant ink transfer
  - + Brilliant halftone gradations – very smooth vignettes
  - + Increased quality of information transfer due to digital imaging
- + **Increased production safety**
  - + Highest dimension stability
  - + No defects caused by dust and damaged films
  - + No data loss during transfer
  - + Highly consistent especially when repeating plate processing
  - + Very good durability for long print runs
- + **Cost effective and environmentally friendly**
  - + No film costs
  - + No chemicals for film development
  - + Electronic filing of graphics, film storage is redundant
  - + Easy and fast data exchange – worldwide



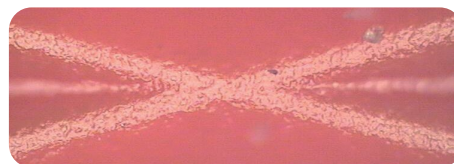
### Comparison of nyloprint® digital plate versus nyloprint® conventional plate

Conventional plate

Digital plate



Positive line 10 micron

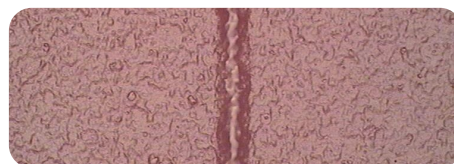


nyloprint® WS 73



nyloprint® WS 73 Digital

Negative line 10 micron



nyloprint® WS 73



nyloprint® WS 73 Digital

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