

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 225¹
- + nyloprint® WS 230 S
- + nyloprint® WS 230 S Digital

Intaglio master plates:

- + nyloprint® WSA 52
- + nyloprint® WSA 52 Digital
- + nyloprint® ST 52²

Coating plates:

- + nyloflex® Gold A / Gold A 116 Digital³
- + nyloprint® WA-S¹/WA-S Digital

Direct and indirect letterpress plates:

- + nyloprint® WS 43/WS 43 Digital¹
- + 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 43²
- + nyloprint® S 58²

¹ Non-standard product ² Alcohol-washable printing plates ³ Solvent-washable printing plates

XSYS

Print solid. Stay flexible.

Where printing meets packaging.

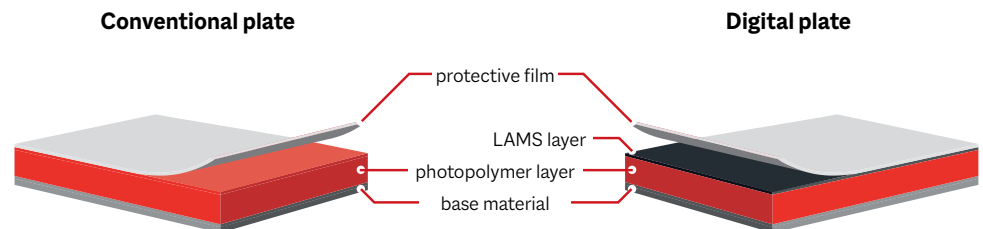
Security Printing Plates

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



Positive line 10 micron



nyloprint® WS 73



nyloprint® WS 73 Digital

Negative line 10 micron



nyloprint® WS 73



nyloprint® WS 73 Digital

Please contact us for additional information.

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