

# Security Printing

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. Flint Group's printing plates make a valuable contribution throughout.
- 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 inking-up the gravure cylinders in intaglio printing presses the water-washable nyloprint® **stencil 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.
- Highest precision and reproducible quality are the basic requirements for security printing – Flint Group stands for this.



## Product range

- **Direct and indirect letterpress plates:**
  - nyloprint® WS 43
  - nyloprint® WS 58
  - nyloprint® WS 73
  - nyloprint® WS 83
  - nyloprint® WS 94
  - nyloprint® WS 43 Digital\*
  - nyloprint® WS 58 Digital\*
  - nyloprint® WS 73 Digital
  - nyloprint® WS 83 Digital\*
  - nyloprint® WS 94 Digital
  - nyloprint® WS 73 W
  - nyloprint® S 58
- **Water-washable stencil plates:**
  - nyloprint® WS 225
  - nyloprint® WS 230 S
  - nyloprint® WS 230 S Digital
- **Intaglio master plates:**
  - nyloprint® WSA 52
  - nyloprint® WSA 52 Digital\*
  - nyloprint® ST 52
- **Coating plates:**
  - nyloflex® Gold A 116
  - nyloflex® Gold A 116 Digital

\* non-standard product

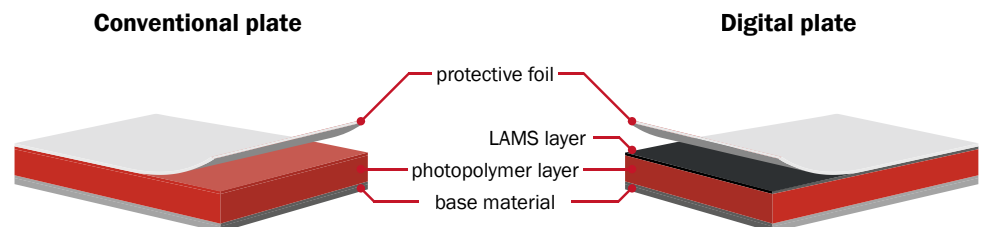
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## Advantages of nyloprint® Digital

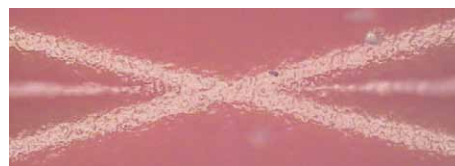
- **Higher print quality**
  - very high resolution – up to 10 000 dpi leads to a reproduction of finest details
  - excellent solid density due to brilliant ink transfer
  - brilliant halftone gradations – very smooth vignettes
  - increased quality of information transfer due to digital imaging
- **Increased 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 plates versus nyloprint® conventional plates



### Positive line 10 micron



nyloprint® WS 73



nyloprint® WS 73 Digital

### Negative line 10 micron



nyloprint® WS 73



nyloprint® WS 73 Digital

You are welcome to contact us for further information.

**Flint Group Flexographic Products**  
Sieglestrasse 25  
70469 Stuttgart  
Germany

T +49 711 9816-301  
F +49 711 9816-801  
info.flexo@flintgrp.com  
www.flintgrp.com

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