



SecuriX
Printing Samples

Advantages of the direct engraving

General advantages:

- Standardization of digital plate production, high degree of automation.
- Very fine line reproduction possible in printing, with print-stable lines of less than 10 micron.
- Maximum flexibility in design integration with regard to wet/dry panels.
- Significantly improved ink transfer and no crush marks.
- Excellent printing results.
- General dimensional stability.
- No swelling of the printing plates in combination with water.
- Less abrasion of the printing plates.
- Heat resistance.
- Very good durability.
- Flexible process design for dry/wet combinations (simultaneous process).
- Improved ink transfer from the press to the printed sheed.

Environmental aspects:

- No use of hazardous substances during manufacture.
- No chemicals required for the wash-out process (only DLE cleaner).
- No use of energy- and resource-intensive systems such as UV irradiation etc.

Raw material aspects:

- Printing plates are very robust and stable for long print runs.

Sustainability:

- Climate-neutral production.
- No use of solvents/chemicals.

Compatible with the following ink systems:

- Solvent-based inks.
- Mineral oil-based inks.

SecuriX

direct engraving technology for supersimultan, superorlof, supernumerota and varnishing

Direct engraving technology essentially consists of just three processes and is much more automated than the previous photopolymer process.

- 1. Engraving:** The raw material is engraved directly in three dimensions using digital laser technology.
- 2. Washing out:** The engraved panel material is cleaned with brushes.
- 3. Disposal:** Neither the engraving dust nor the wastewater must be disposed separately.

Modulated lines
with dashes
Line thickness:
from 0.04 to 0.085 mm

Microtext
0.3 mm high
Line thickness:
0.06 mm

Microtext 0.3 mm high
Line thickness: 0.085 mm

Line grid with dashes
Line thickness: 0.065 mm



by HANS LÜSCHER.
SecuriX

SecuriX is a brand of drop international trading ag



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