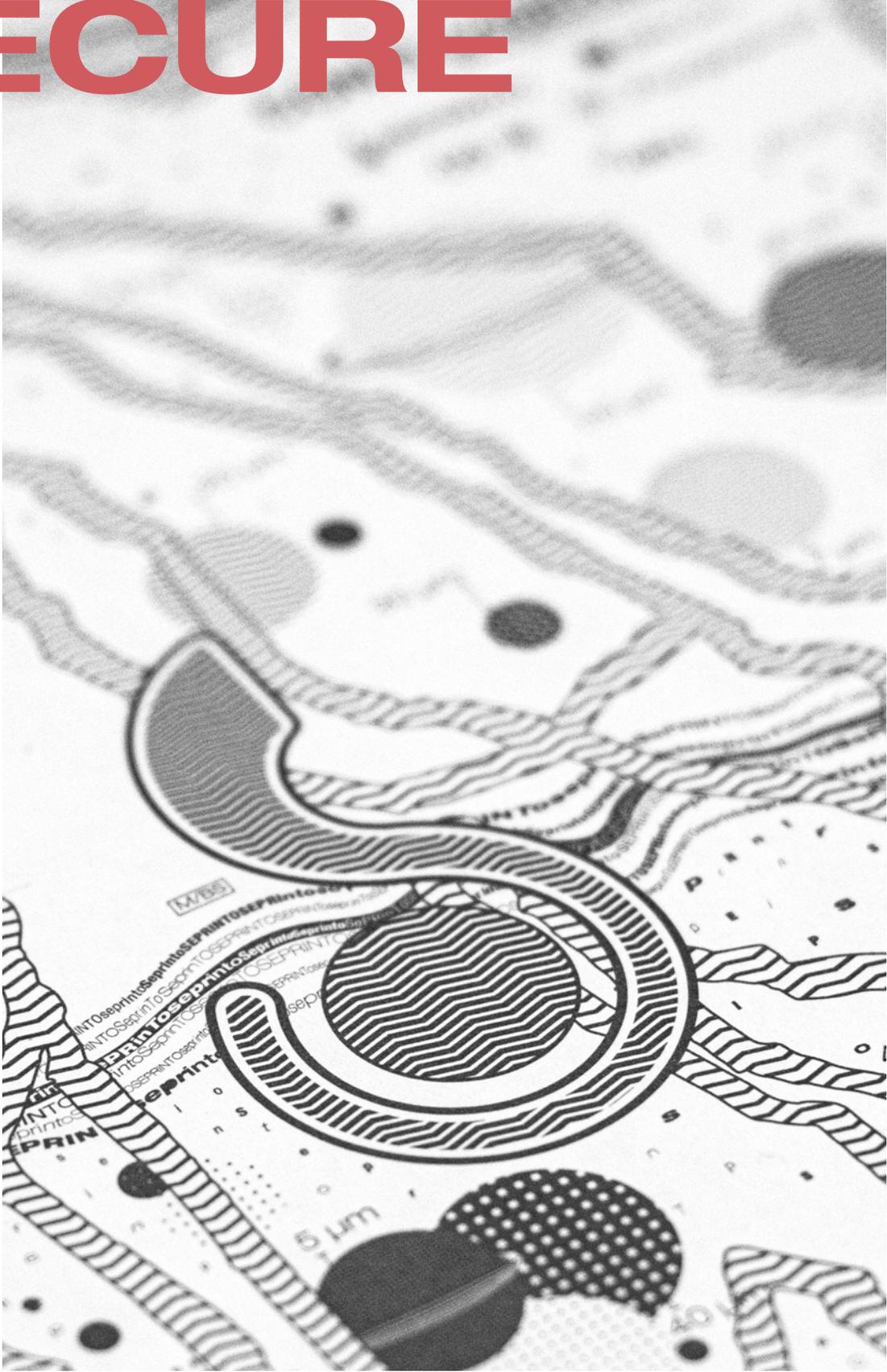


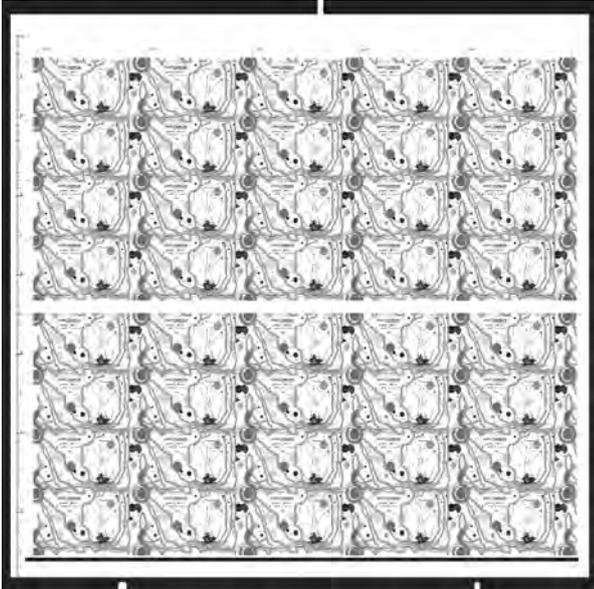
LASERLINE SECURE

SUSTAINABLE LASER ENGRAVED
ECONOMICAL ELASTOMER
INCREDBLY PRECISE PRINTING PLATES



SEPRINTO
improving together





PDF file

LASER ENGRAVED ELASTOMER PRINTING PLATES

Elastomer printing plate with steel carrier, developed especially for the high demands of the security printing industry.

4 Steps till the finished product!

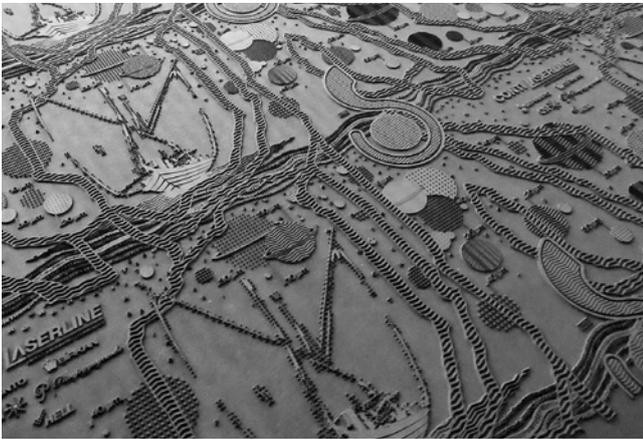
1. DIGITAL FILE

GENUINE DIGITAL, TWO-STEP PRODUCTION PROCESS

- Just two process steps: laser engraving and cleaning
- Undercut, first step, shoulder profile, relief depth, dot stability, and shaping are entirely digitally controlled

RECORD-BREAKING TECHNOLOGY

- 1:1 transfer of the digital original to the printing plate
- Maximum resolution of 5080 dpi
- Infinitely adjustable screen rulings up to 250 lpi
- Tonal value range 1 - 99%



2. LASER

RAZOR-SHARP REPRODUCTION

- Limitless possibilities for shaping dots and shoulders
- Variable depths („undercut“)
- Halftone and linework can be incorporated on one plate
- Fine text and line art details, vignettes, solid and halftone areas are printed with high-contrast, brilliant colors



3. CLEANING

EASY AND ENVIRONMENTALLY FRIENDLY CLEANING

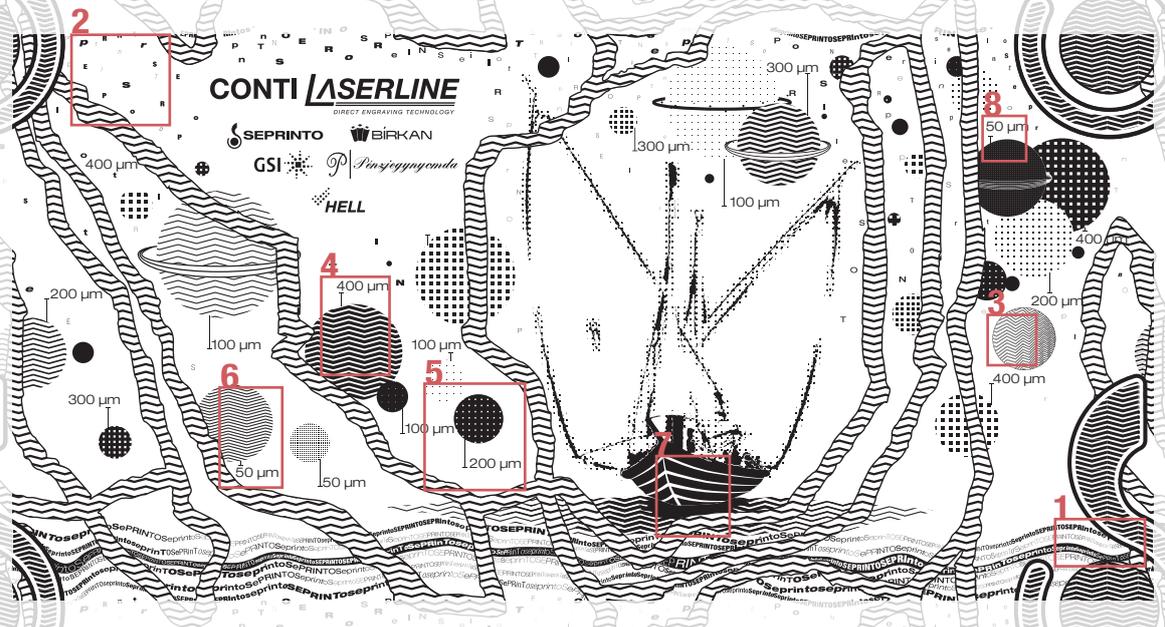
After the Laser process, the plate needs to be cleaned with water and brushes. Easy, economical and environmental friendly.

4. PRINTING

REVOLUTIONARY DRY OFFSET PRINTING

Easy, fast and without a hassle. The LaserLine Secure Dry Offset plates can print up to 5 µm lines and dots in positive and negative. The future of precise printing!



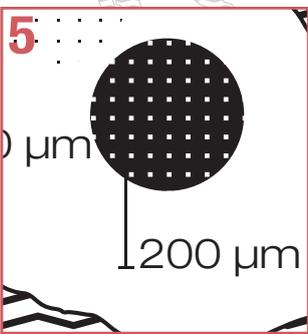
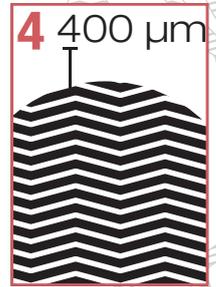


microtext

in positive and negative space



400 μm lines with 250 μm distance

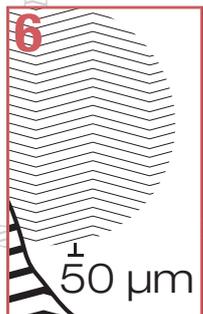


full surface

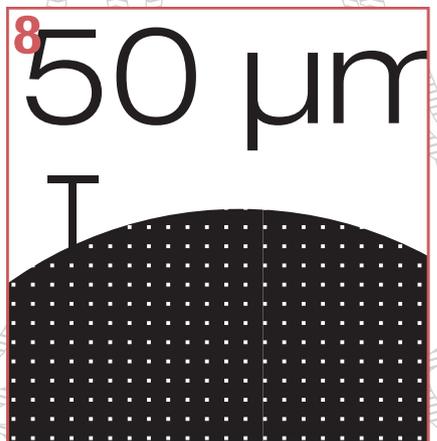


space between the lines: 48 μm - 17 μm

200 μm dots in negative space



50 μm lines in 15° dots in negative space



TECHNICAL BENEFITS

TECHNICAL BENEFITS OF THE COMPRESSIBLE LAYER

- Improved ink laydown and higher ink densities
- Better dot gain control
- No squeezed edges
- Reduction of vibration stripes

OUTSTANDING SERVICE LIFE

- No raveling of grid points, letters or small image elements
- Extremely resistant to shocks or scratches
- Universally applicable material for different ink systems
- Consistently high quality and permanent image, even with regular washing

REDUCED MATERIAL USAGE AND SUSTAINABILITY

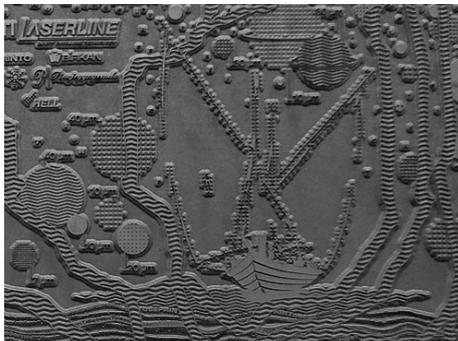
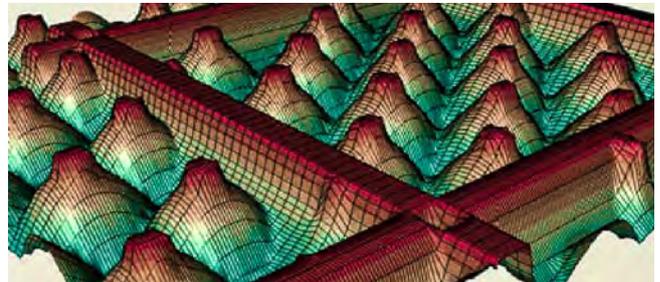
- Lower ink consumption
- No compressible foam tape for Laserline CSC
- Chemical-free production process and reduced energy input benefit the environment

DIRECT LASER ENGRAVING. FOR THE HIGHEST POSSIBLE QUALITY IN FLEXO-GRAPHIC PRINTING.

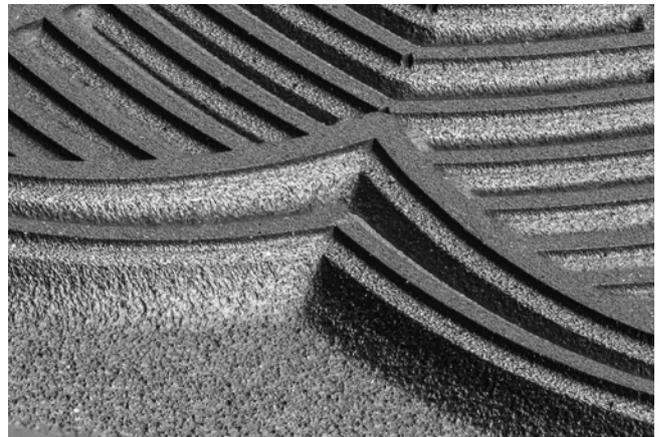
When a plate is engraved directly, all non-printing elements or areas are lasered out. Water is then all that is needed to wash away the ash residue. This greatly benefits the environment because no ecologically harmful solvents are involved.

The imaging data are converted to a three-dimensional 8-bit TIFF data, then engraved by a high-resolution fibre laser with modulable intensity in one single step.

The digital undercut option guarantees perfect print results whenever solids, linework and halftone are incorporated on one plate. The fibre laser works with a resolution of 2'540 to 5'080 dpi, engraves infinitely adjustable screen rulings of up to 250 lpi and can laser a maximum stencil depth of 800 µm.



LASERLINE SECURE EXAMPLE PLATE

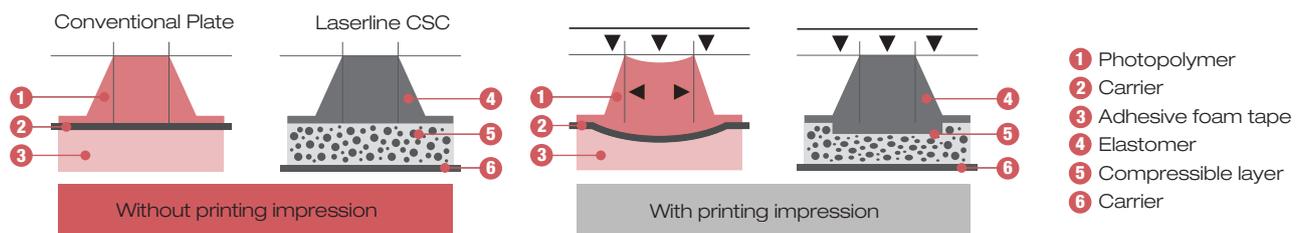


THE COMPRESSIBLE PLUS. LASERLINE CSC

With integrated compressible layer.

CONTI LASERLINE

DIRECT ENGRAVING TECHNOLOGY



The compressible layer evens out any irregularities in the substrate, leaving you with optimal printing quality every time.

4 ONE SYSTEM FOUR PRINTING PROCESSES

Our LaserLine Secure system offers an environmentally friendly, economical and fast way to create plates for your offset, intaglio, numbering and coating printing process.

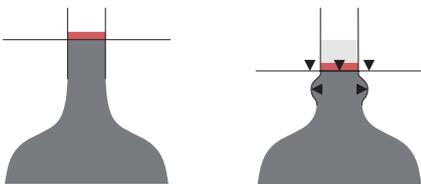
Depending on the subject, in two hours, your plates or chablons are engraved. After cleaning them with a water jet and brushes, the plates are ready to be installed on the machine.

The LaserLine Secure system makes plate production time- and space-efficient:

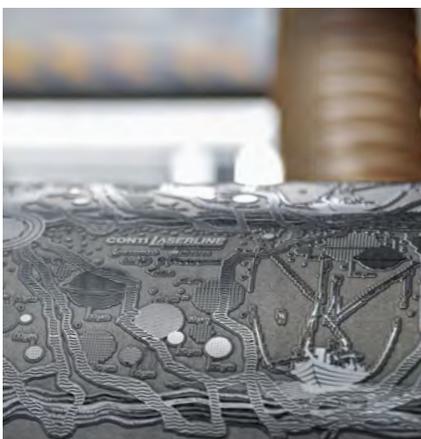
one laser and one washing system for four processes.

Furthermore, the elastomer plates are incredibly accurate, water-resistant and heat-resistant up to 120°C and facilitate the printing process.

The plates are available in various thicknesses, from 0.73 to 2.30 mm.

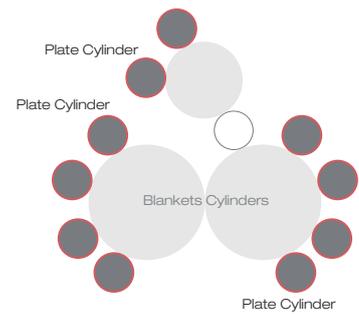


The engraving structure on the plates tolerates significant pressure adjustments. As shown in the graph below; the neck of the structure compensates the high pressure while keeping the exact size of the contact surface.



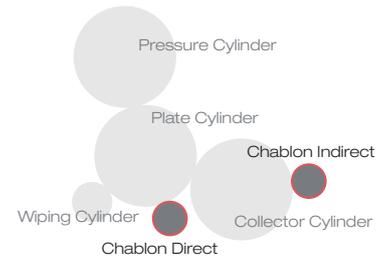
OFFSET

- incredibly fine lines. Positives and negatives (see details on the folder)
- water resistant
- incredible easy usage
- no chemicals needed
- reduced wastage due to the elimination of the wet offset



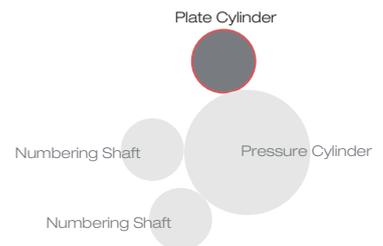
INTAGLIO

- usable in Direct and Indirect process
- heat resistant up to 120° C
- the specific Laser-cut decreases the ink consumption
- resistant to water particles in ink, which prolongs the lifetime of the chablons



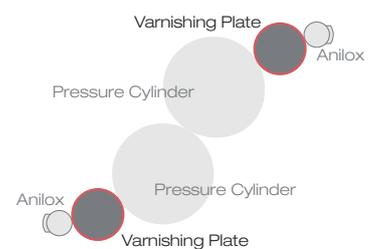
NUMBERING

- more flexible than standard nylon-print plates
- extensive lifetime



VARNISHING

- high resistance to various type of varnishes
- extensive lifetime





La Vaudoise (or La Violette) is a boat with a Latin sail from the Lake Geneva constructed in 1932. Intended at its construction, for the transportation of goods. Built on the French shore of Lake Geneva, it is, along with La Neptune, one of the last examples of this type of boat on the waters of the canton of Vaud. It is the only floating historical monument in Vaud. With a length of 22.65 m and a sail area of 140 m², la Vaudoise has a displacement of 25 tonnes. This boat was bought in 1948 by the „Pirates of Ouchy“. The fraternal brotherhood whose aim is to maintain traditions and promote navigation on the lake, especially on La Vaudoise with organized outings, both individually and in groups. The Vaudoise is a piece of poetry set on Lake Geneva with the Alps as a backdrop and Lausanne as a home port.

In botany, the root is the underground organ of a plant used to fix it to the soil and to extract water and nutrients necessary for its development. Like Seprinto, the roots represent the adaptation to facilitate the development of the plant in a particular environment. The root is a vital organ of the plant, which is formed very early in development, at the beginning of germination. It has several roles within the plant, as well as Seprinto with her customers. Anchoring, tutoring, association support, creation and communication make the root, and Seprinto, an essential element for growth.

The drawings on our banknote come from an artistic approach by Bernard Lang.

LA VAUDOISE

Bernard Lang 82



OUR PARTNERS



BIRKAN

Our range of blanket products – converted and barred or coated in our own production processes for ready-to-use shipping – satisfies the strictest quality criteria and the most advanced technical requirements. Our production facility has undergone several extensions in the last few years to make room for the latest generation of converting equipment.

Since 2012, BIRKAN has also supplied laser engraved plates to manufacturers of flexible packaging, labels and varnishes. A state-of-the-art Hell Gravure Systems fibre laser, a PremiumSetter S1700, has been installed at BIRKAN specifically for this purpose and forms the heart of our new Laser Direct Engraving division.



HELL

HELL Gravure Systems – a Heliograph Holding company – is an innovation leader in the manufacture of prepress engraving systems. As an inventor of pioneering technologies, the company is continuously redefining international standards. With its numerous technical solutions, HELL leads the market in its many core areas of expertise – the electromechanical and direct laser engraving of gravure and embossing cylinders and the high-resolution direct engraving of elastomer printing forms for relief printing. The latest industry highlights are the Helioklischograph K5, the AutoCon automated production line with one or more Helioklischograph K500 systems, and the Cellaxy and PremiumSetter direct lasers.



CONTITECH

ContiTech is one of the world's leading suppliers of technical elastomer products and is a specialist in plastics technology. It develops and produces functional parts, components, and systems for machine and plant engineering, mining, the automotive industry, and other important industries.



HUNGARIAN BANKNOTE PRINTING COMPANY

Hungarian Banknote Printing Company (Pénzjegynyomda Zrt.) was established in 1926. They use state-of-the-art technology to specialize in banknote production as well as biometric passports, ID cards, certificates, visa, postage and tax stamps, vouchers, plastic cards and many other security products.

The company has its own paper mill manufacturing security paper and offers complex system solutions and technology transfers to all customers.



GLEITSMANN

Gleitsmann Security Inks (GSI) has been a trusted, innovative provider of highly secure, durable and efficient inks for government entities worldwide since 1847.

GSI continuously strives to improve their products, meeting latest requirements from their customers, i.e. central banks, state printworks and commercial security printers. Customer centricity has highest priority in every aspect. Besides the standard intaglio, offset and numbering inks GSI also provides cost efficient varnish solutions and an environmentally friendly series of silk-screen colours.



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