

tlsanilox



TLS ANILOX



Quality is our passion

WHO WE ARE

TLS Anilox GmbH is located in Salzkotten, Westphalia and has established itself in 2014 as a spin-off of TeroLab Surface GmbH. The company develops high tech solution for its customers specifically for anilox rolls and sleeves in the printing and coating industry. TLS Anilox is embedded in the TeroLab Surface Group, an owner-managed company with its headquarters in Lausanne, Switzerland. The second plant in Germany, TeroLab Surface GmbH, is located in Langenfeld and covers the manufacturing and coating of individual parts as well as large-scale production for widely varying industrial sectors. TLS Medical in Paris, France, active in the field of biomedical implants, is also part of the TLS Group.

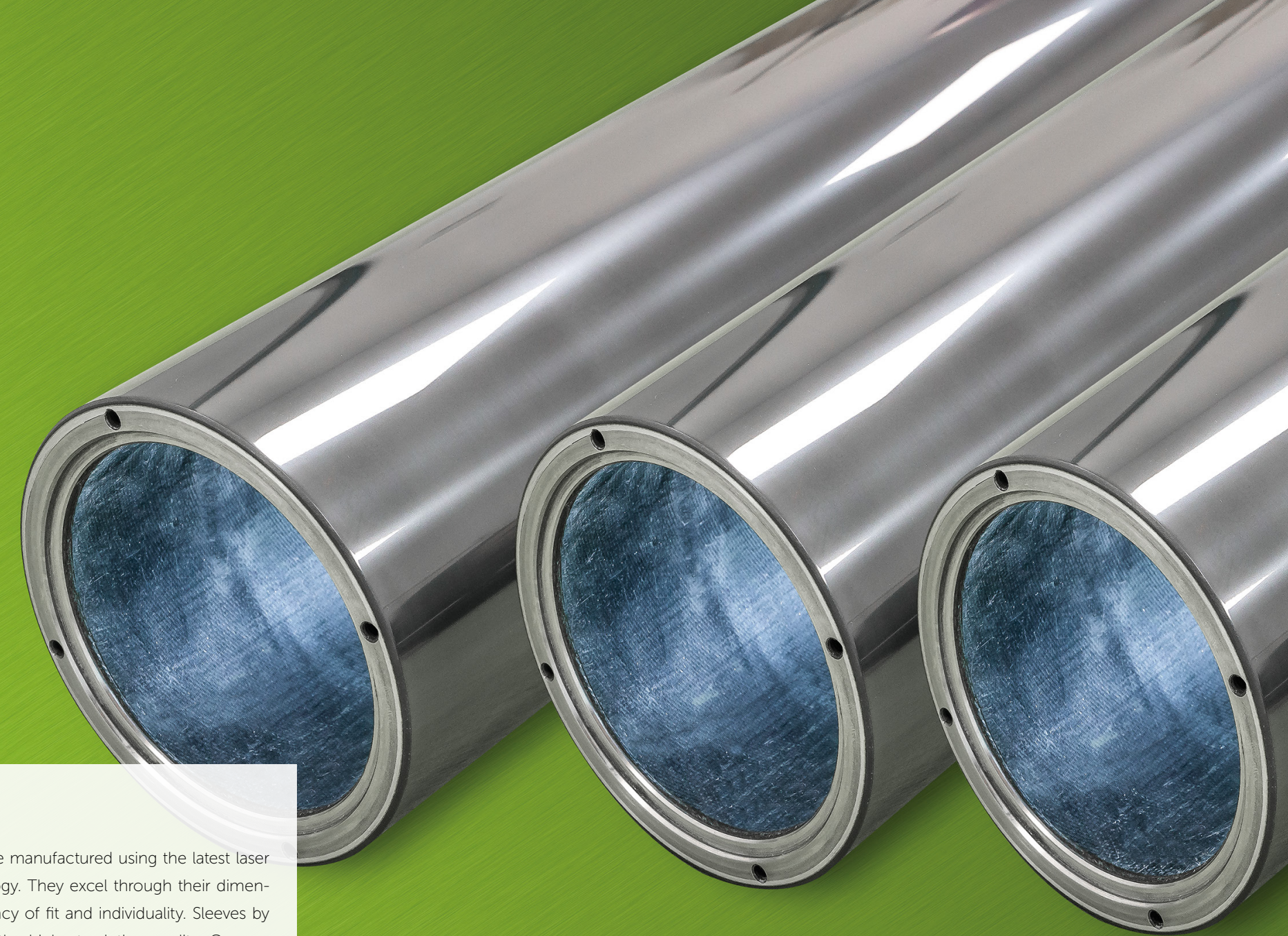
WHAT WE ARE GOOD AT

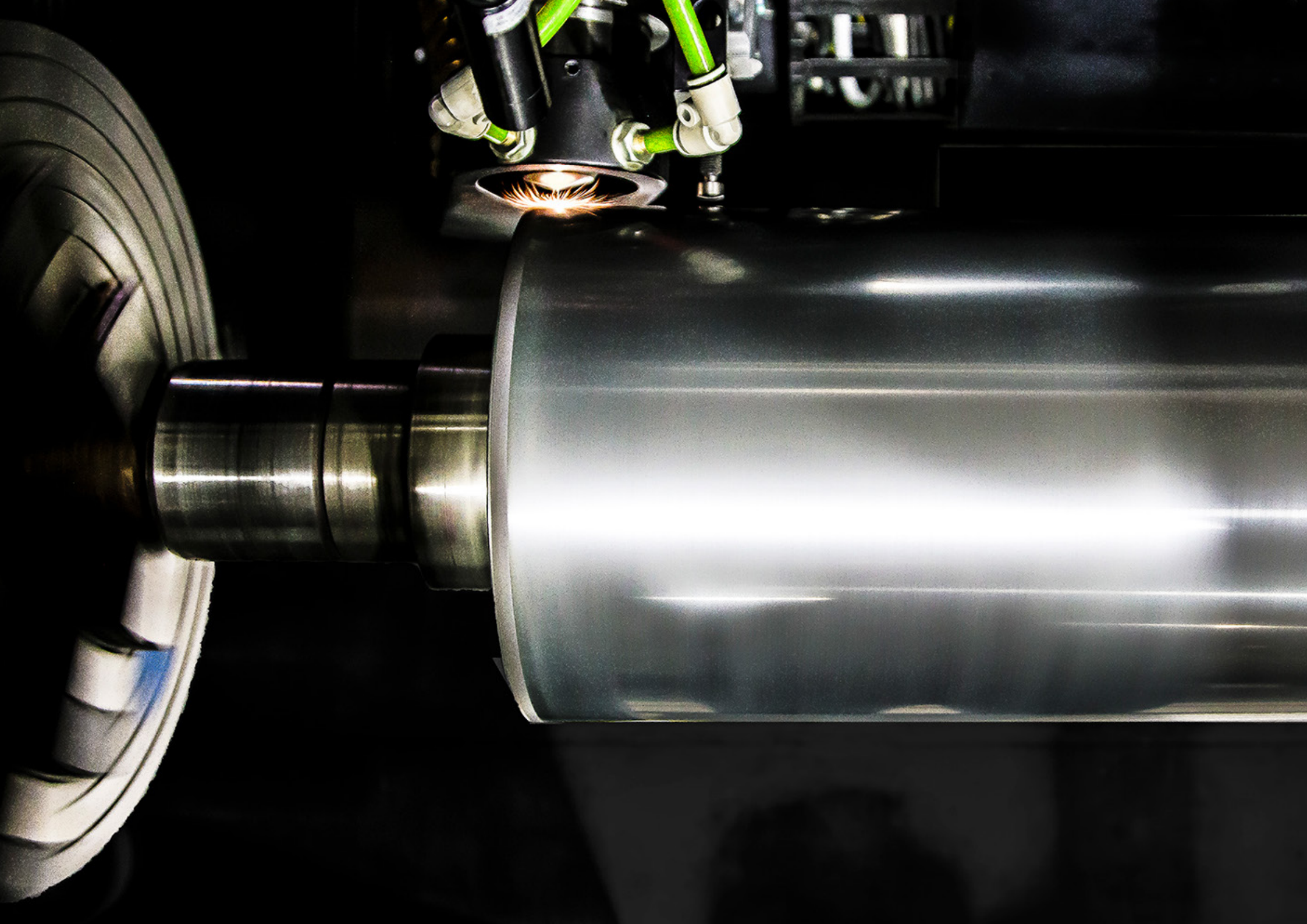
TLS Anilox GmbH manufactures high-quality anilox rolls and sleeves for the printing and coating industry. We produce rolls ranging from 50mm to a maximum width of 4,500mm. In addition, we offer a comprehensive portfolio of laser engravings for very diverse application areas. We achieve our quality goals by using state-of-the-art machines. Our most recently installed laser engraving machines enable us to offer the presently best solutions to our customers. Innovative processes also guide us in dealing with our customers. For the best consultation, you receive a technical analysis directly on your premises. We analyze the inventory of your anilox rolls and suggest alternatives to improve your printing process. In a second step, we design your customized anilox roll based on the results of the analysis and by means of a drawing.



SLEEVES

TLS Anilox sleeves are manufactured using the latest laser and coating technology. They excel through their dimensional stability, accuracy of fit and individuality. Sleeves by TLS Anilox generate the highest printing quality. Guaranteed!





LASER ENGRAVINGS



TLS constantly explore the limits of engraving technologies. Our engineers have developed an extensive number of individual laser engravings which in design and composition meet the highest demands of modern flexographic printing.

Your advantages are

- high-quality full surface
- fine fonts
- reverse text
- opaque white
- process printing with a minimum of dot gain
- high reproducibility



ENGRAVING GEOMETRIES



TeroMin™

Our engraving type TeroMin is the proven standard for flexographic printing processes. They finish your final print results in a constant and reproducible quality.



TeroVis™

Our TeroVis engraving solves so-called "ink spitting" problems. A 30° angulation allows ideal, stable and reproducible print quality even at high speeds.



TeroLine™

This hachure provides excellent varnishing results for offset and coating. The open cell structure allows for the optimal transfer of large pigments. A cross-hatch may contribute to an improved distribution of varnish.



TeroMax™

TeroMax stands for a steady and homogeneous ink transfer with excellent ink densities. Excellent results for combinations of screen/line elements can be obtained with this type of engraving.



COATING CENTER

The coating center is the innovative heart of our production. The latest control technology and process monitoring make it one of the most modern coating centers in Europe. Its dimensions of 13m x 5.5m x 4m are the basis for high quality.

DURABLE CERAMIC COATING

Let your company take advantage of one of the most efficient ceramic coatings available. Due to our extensive experience in this field, we continuously optimize our ceramic for anilox rolls. Given their extraordinary hardness and density, they are incomparably durable and robust.

LASER CENTER

Our innovative high technology is situated in a production area of 2,000sqm. Coating (left-hand side) as well as laser-engraving and surface finishing of anilox rolls and sleeves are the main focus of TLS Anilox GmbH.





CLEANING

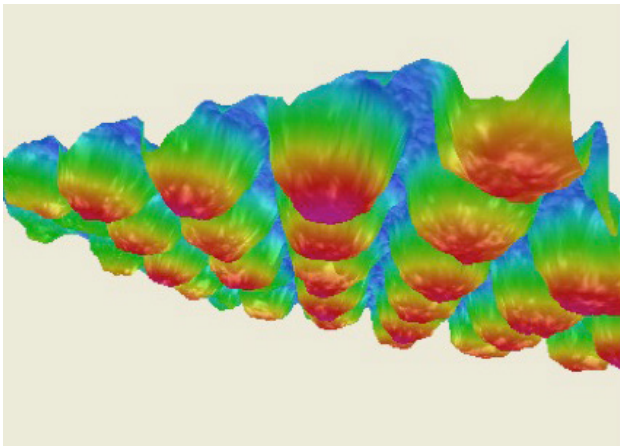
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Cleaning processes for anilox rolls are a challenge for every print shop. Using ultrasound and corresponding documentation, we offer an effective, but gentle cleaning process so that once again your printing results will achieve customary quality you are used to.

TEROLUX™

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With our innovative hard-metal coating you will enter a new dimension of durability. The TeroLux™-coating applied by high velocity oxygen fuel (HVOF) thermal spraying is characterized by an extremely high density. It is very homogeneous and has excellent properties in terms of preventing mechanical wear. TeroLux™ - the next generation of coating for anilox rolls!



IDEAL CELL STRUCTURE

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- steep edges, flat bottom
- surface porosity close to zero
- excellent draining behavior
- very detailed reproduction of finest dots



QUALITY

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Quality is the best precondition for TLS Anilox GmbH to manufacture the best products. We examine all mechanical and optical features to guarantee the best results for our customers. State- of-the-art measuring systems help us monitor the required engraving specifications as well as the surface condition.



APPLICATIONS

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Flexible packaging

For your flexographic prints, the demands for high-quality print motifs and thus, the requirements on greater screen widths for printing plates and anilox rolls increase. The quality of today's printing plates requires even and very precise inking of the parts. TLS Anilox GmbH provides you with customized solutions.

Label printing

We also offer anilox rolls and sleeves for printing labels. Our "TeroVis" engraving is characterized by considerably reducing the problem of ink-spitting when using UV-inks. In addition, screen widths up to 600 lines and more can be manufactured reproducibly with the corresponding volume in our modern laser engraving machines.

Corrugated paper

The requirements in the field of corrugated paper have recently increased tremendously. In our modern location, we can process anilox rolls up to a width of 4,500 mm and also offer specifically adapted engraving specifications up to 460 L/cm.

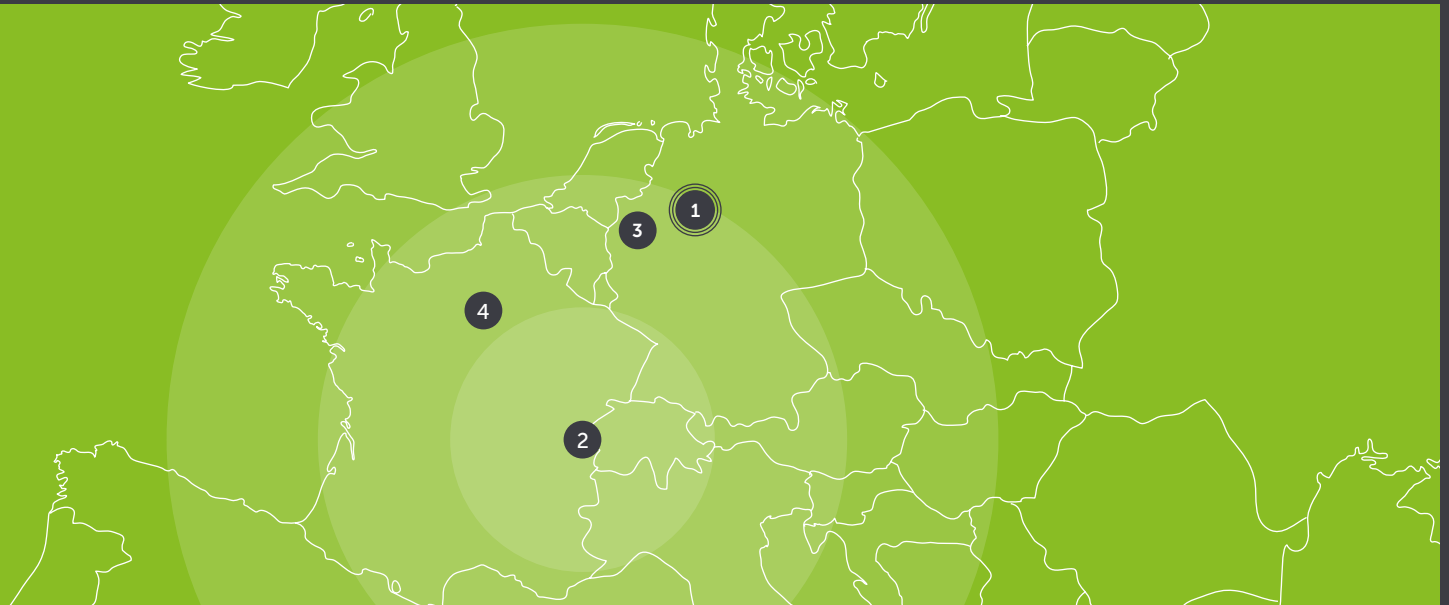
Coatings

Only specific engravings allow the defined application of primers and varnishes. With our "TeroLine" and "TeroTop" engravings you can obtain high, theoretical pick-up volumes. They substantially contribute to achieving an absolutely even cell geometry, thus generating closed homogeneous surfaces.

Offset printing

We want to protect and finish your high-quality print motifs. Defined anilox roll specifications make a highly accurate application of water and/or UV inks possible. In addition, our portfolio includes open engraving forms for applications with gold, silver and metallic effects. For you to score with your printing products, you should be able to rely on a successful partner. The specialists at TLS Anilox!





TEROLAB SURFACE GROUP – OUR LOCATIONS



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