

ABOUT TLS ANILOX



We provide coated and laser engraved universal sleeves and rollers (anilox rollers) for the printing and coating industry. We offer our business partners optimal services at realistic prices. Our operational excellence is the key to success. Our company is committed to ensuring that we are socially responsible, make continuous improvements as well as efficient use of raw materials and produce recyclable anilox rollers.

We know what our clients require and offer them customised solutions for each stage of their production process. We have gained a high level of trust from our clients as their competent contact person and troubleshooter. A solution-oriented network of established partners and the solid professional expertise of the TLS Anilox Team ensure that you receive personal support for the full and partial implementation of all printing processes, including small quantities. We offer innovative coatings that are as shiny as chromium and more durable than ceramic.

We are committed to developing our human talents, to securing jobs, supporting our employees' future, and to creating a Great Place to Work environment.

TLS Anilox GmbH

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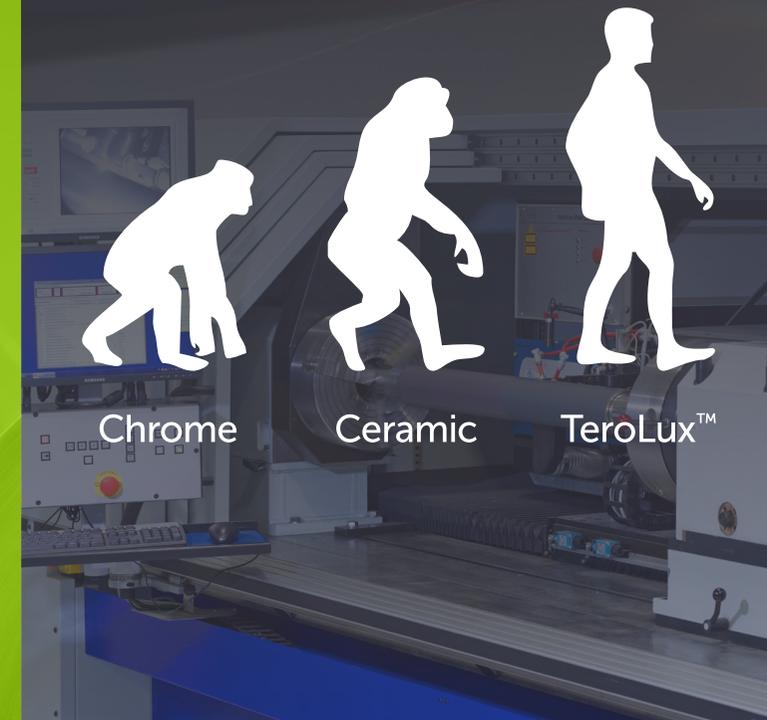
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TeroLux™ ANILOX ROLLS

(R)evolution: Our new
shiny hard metal surface.



TEROLUX – THE NEXT GENERATION OF ANILOX ROLL COATING

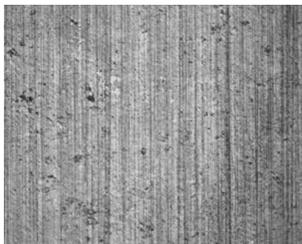
The TLS Anilox GmbH, based in Salzkotten, manufactures coated and laser engraved anilox rolls and sleeves for the printing and coating industry.

We are now launching a new product: TeroLux – with a nearly non-porous surface resulting in amazing printing results.

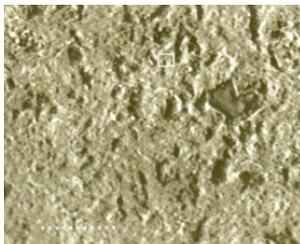
The proven and tested ceramic coating

For more than three decades, the ceramic coating of anilox rolls has proven its worth / has stood to the test. These laser engravable coatings provide an extremely high wear protection. Nevertheless, the R&D department at TLS Anilox GmbH has been exploring further potentials for optimization. During this development process, we were able to resolve the remaining porosity of the ceramic coating and advance to the unlimited field of finest lines. Discover TeroLux with us, our (r)evolutionary hard metal coating.

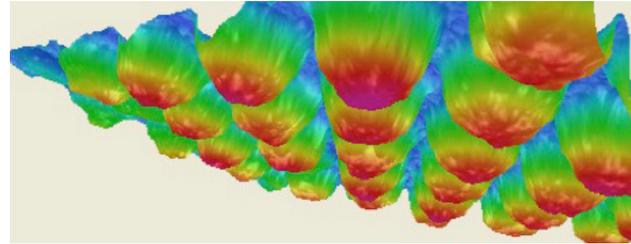
For comparison please take a look at these results



TeroLux (grinded)



Chromoxid (grinded)



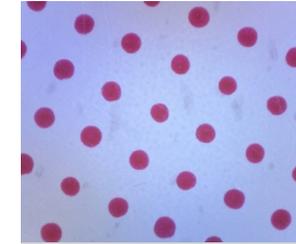
Advantages of TeroLux

- Long service life
- Easy to clean
- Ideal for fine lineatures
- Reduction of the wear on the Doctor blade
- Low-vibration operation
- Homogeneity

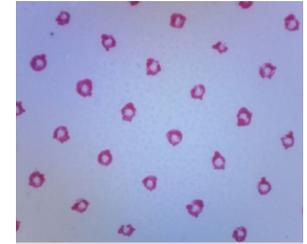
Typographic performance

Particularly the fine lines engraved in TeroLux show a very good ink discharging performance. Comparing the two coatings, the high density and a significantly improved resolution of the TeroLux are very convincing.

Smallest dots are printed in detail, the coverage of the dense solids is ideal due to the good ink discharging performance. Existing lines can be replaced by finer engravings without having to tolerate a loss in density or a change in the ink management. In addition, the closed and smooth bridges of the engraving provide a good support/reinforcement of the screen dot. Although the values in opacity obtained during the tests were nearly identical, much sharper edges can be printed using the finer engraving.



TeroLux 340 L/cm,
5.4 cm³/m²



Standard 340 L/cm,
5.4 cm³/m²



Form/characteristic
in the marginal region

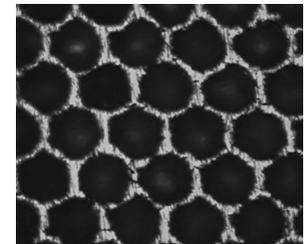


Photo of
TeroLux engraving

Conclusion

The print tests with TeroLux rolls yielded very impressive results. It also became obvious that this new coating material holds a great number of potentials yet to be explored. This suggests that in the future engraving parameters can be implemented which today fail at physical constraints.