



Ceramic and chrome anilox rollers

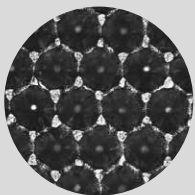
Sleeves and rollers for flexo printing, off-set coating and for industrial coating

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Zecher, the world's leading manufacturer of anilox rollers. **Zecher's** story began in 1948, projecting itself year after year towards the future. Thanks to **Zecher's** patented engraving and treatment technologies, it is possible to increase efficiency and reduce costs, while optimizing **printing quality** at the same time.

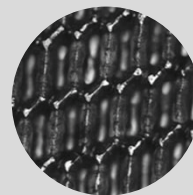
Specifications of main engravings available

60° hexagonal engraving



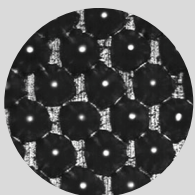
It is the most widespread engraving through which Zecher has achieved the position of world market leader. Having been a pioneer, Zecher has gained profound experience which, combined with advanced engraving technologies, allows the production of geometrically perfect and homogeneous hexagonal cells, with the cavity perfectly rounded so as to guarantee the best transfer of ink to the cliché, even in presence of high line screen (anilox roll).

60° SteppedHex engraving



It is the latest Zecher patent which allows you to increase the number of cells per linear inch on an anilox roll (line screen) without loss of volume, better supporting the cliché point up to 1% and significantly increasing the print quality. SteppedHex incisions are available up to 580 l/cm with volume ranges from 2 cm²/m² to 4 cm²/m². The special engraving of this cell ensures long life of the anilox, better emptying of the cells and ease of cleaning.

60° H.I.T. High Ink Transfer - engraving



It is the Zecher technology with high ink transfer, specific for backgrounds; it offers greater coverage and better density. The optimization of the transfer is not due to a volumetric increase in flow rate, but is obtained thanks to the special engraving of the open cells obtained through a particular 60° H.I.T. incision. Furthermore, it is able to resolve unwanted printability effects (for example pin holes) and it allows a better cell cleaning, as well as ink savings due to transfer efficiency.

45° Tri-helical engraving



Tri-helical engraving is an engraving technology that allows for excellent transfer of large quantities of varnish, glues or resins and generally very viscous fluids. In particular, this engraving is suitable for varnish in offset printing and coating. The open cell structure guarantees excellent transfer homogeneity on high volumes.

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Unique treatments



I.T.S.

It is a patented surface finishing treatment, which permanently modifies the molecular structure of the ceramic, reducing its surface tension by 10 N/m. It improves the transfer and allows you to keep the cells cleaner over time; it is particularly suitable for water-based, white, two-component paints and inks, and glues.

PROTECT

It is a protective layer, a particular anti-corrosion permanent treatment, intended to preserve the life of your aniloxes over the time, especially for monolithic rollers.

Plus

- ▶ Very low porosity ceramic
- ▶ Basic anti-corrosion treatment always included
- ▶ Superfinishing of the surface based on the type of fluid used by the customer to overcome scuffing problems
- ▶ Lightened sleeves with special design

Ulmex services offered to customers

- ▶ Specific consultancy in choosing the anilox specifications
- ▶ Anilox refurbishment with the possibility of modifying the engraving, line screen and volume
- ▶ Audit with 3D microscope to understand the status of customers' aniloxes fleet
- ▶ Door-to-door laser anilox cleaning to restore volumes up to 100%



For further information, please contact us at
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