

## Application Bulletin

### Pulp, Paper and Printing

#### Printing – Anilox Rollers

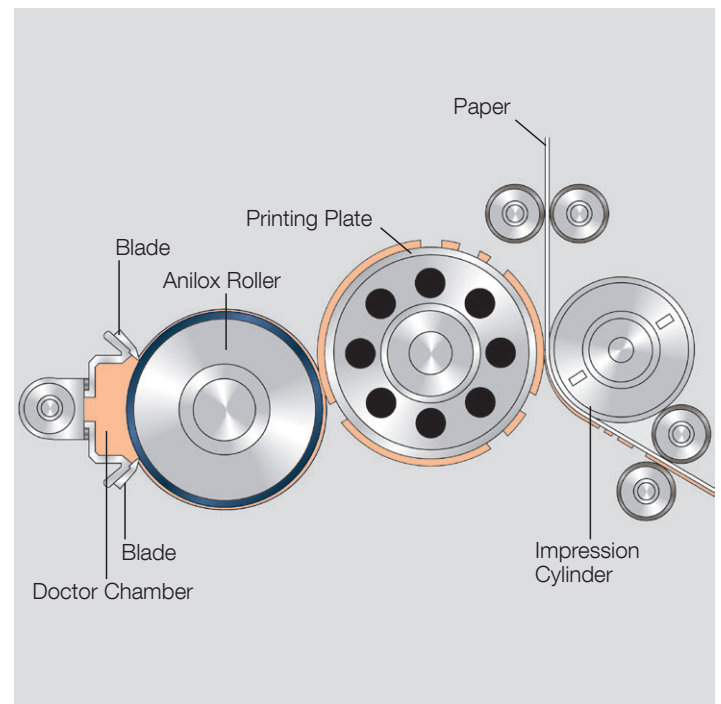
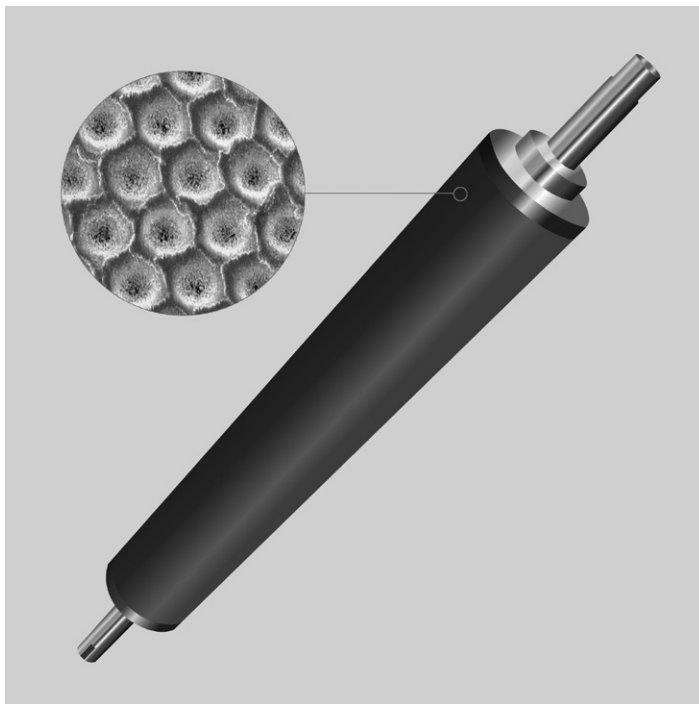
**The anilox roller is important part of the flexographic printing process for ink metering and printing quality. It receives the printing ink from the ink fountain or a metering roller and transfers it to the flexographic printing plate. A doctor blade scrapes excess ink from its surface leaving a measured amount of ink in each of the anilox roller's cells. A more densely packed cell pattern results in a sharper printed image.**

#### The Oerlikon Metco Solution

Successful laser engraving of the anilox roller cells requires the application of a metallic-free, high density chromium

oxide coating. Oerlikon Metco's high purity chromium oxide powders applied using our TriplexPro-210 plasma spray gun ensures consistently high quality coatings for laser engraving of anilox rollers.

- High purity, fine chromium oxide materials result in high-density, metallic-free coatings with smooth surface finishes
- TriplexPro-210 spray gun saves time and cost with high throughput and very consistent coatings over long spray runs
- Enables engraving of high line screen anilox rollers for very sharp, crisp printed images



#### Recommended Oerlikon Metco Products

Amdry™ 6420	Chromium oxide thermal spray powders for wear resistant coatings with very uniform structure for fine, high density Laser engraving
Amdry™ 6415	
Metco™ 6156	
TriplexPro™-210	High density coating solution for anilox roller production

#### More Information

DSM-0276

SF-0002

Information is subject to change without prior notice.