

## Thin film coatings that make all the difference

### Oerlikon Balzers Benelux

Oerlikon Balzers is one of the world's leading suppliers of surface technologies that significantly improve the performance and durability of precision components and tools for the metal and plastics processing industries. These proprietary coatings developed by Oerlikon Balzers are extremely thin and very hard.

BALINIT® coatings show added value in following applications:

- Cutting tools (new or reconditioned)
- Punching and forming tools, die casting and plastic moulds
- Components in a wide range of applications



- Extra coating services : Topping, a high-end post treatment of your cutting tool coatings, pre- and postpolishing and/or advanced service for punching and forming tools.
- Full range of BALDIA® coatings dedicated for graphite/composite machining

### BALDIA

Diamond provides special properties: it is extremely wear-resistant due to its unsurpassed hardness. Therefore, diamond coating are the best choice for machining highly abrasive base materials. The BALDIA® portfolio of diamond coatings is tailored to suit to your application and tool type and delivers outstanding results thanks to outstanding wear resistance and tightest tolerances.



### BALINIT LATUMA

Tool manufacturers, mechanical engineering, the aircraft industry and reconditioners can look forward to even more versatility and performance. BALINIT® LATUMA offers you decisive advantages. Not only is the machining and use of a wide variety of challenging materials even more productive now, the process reliability under difficult working conditions is also increased.

### BALIQ

Wear-protection with revolutionary characteristics, that pushes HiPIMS to the next level. A technological milestone has been reached: BALIQ® - the next-generation coating family from Oerlikon Balzers. Based on S3p technology (Scalable Pulsed Power Plasma), it pushes HiPIMS to the next level, by combining the advantages of arc and sputtering technologies: high ionisation and virtually droplet-free coatings. The result is BALIQ®, a new family of wear-resistant, extremely smooth and dense coatings, for a unique spectrum of applications. You benefit from new possibilities transcending anything seen before – with coatings tailored precisely to your needs.



### BALINIT FORMERA



To provide increased passenger safety, and simultaneously comply with emissions legislation, future vehicles must be stronger and yet lighter. Each new vehicle model therefore contains a higher proportion of modern, high strength steel than its predecessors. To ensure high productivity when forming these demanding steels, especially resilient coating solutions are required – such as BALINIT® FORMERA.

### Components

Coated components in vehicles, machines and appliances fulfil their functions more reliably and last longer. Friction and wear are major factors limiting the performance and service life of components. Oerlikon Balzers surface solutions are among the most effective ways, to make a significant difference to their operational performance. Coatings like BALINIT® C, DLC, CNI, D,...