The Smooth Revolution
BALIQ

Follow the Flow of Intelligence!
A technological milestone has been achieved: BALIQ® - the new coating generation by Oerlikon Balzers. It is based on our S3p® technology (Scalable Pulsed Power Plasma) that intelligently combines the advantages of Arc Evaporation and Sputtering. The result is BALIQ®, a new family of wear-resistant coatings with revolutionary properties for a unique spectrum of applications. You benefit from new possibilities that transcend anything seen before – with coatings tailored precisely to your needs.

Coatings that write history
Experience BALIQ

Revolutionary smoothness
BALIQ® enables smooth chip removal and eliminates the need for mechanical post-treatment. Adhesion and built-up edges are avoided even with difficult-to-machine materials.
High density
The density of BALIQ® coatings is very close to the greatest density theoretically possible. High toughness and high resistance to crack propagation and diffusion are salient features.

Excellent friction
Among other benefits, the excellent coefficient of friction of BALIQ® results in improved chip flow and reduced built-up edge formation.

Exceptional precision
High precision in coating thickness distribution guarantees extremely sharp edges. Outstanding results are achieved especially with tools that have ultra-small diameters.
Remarkable scalability
Customised coatings are possible thanks to the precise and independent scalability of pulse duration and shape as well as current density. The limits of conventional HiPIMS are overcome with the unique process window as well as significantly higher deposition rates and process stability.

Very good adhesion
BALIQ® coatings feature an exceptionally strong coating/substrate bond. High adhesion guarantees long and reproducible tool service lives.

Extraordinary coating design
Many different materials can be used for the coatings. This versatility is ideal for application-specific coating solutions.

All given data are approximate values, they depend on application, environment and test conditions.
Tailored to your requirements
Benefit from the new BALIQ coating generation
Contact us now!

**Headquarters**
Oerlikon Balzers Coating AG
Balzers Technology and Service Centre
Iramali 18
9496 Balzers
Liechtenstein
T +423 388 7500
www.oerlikon.com/balzers

**China**
Oerlikon Balzers Coating (Suzhou) Co., Ltd
No.9 Changyang Street,
Suzhou Industrial Park
Suzhou, Jiangsu Province
215024 Suzhou
T +86 512 67620369
www.oerlikon.com/balzers/cn

**USA**
Oerlikon Balzers Coating USA, Inc.
1700 E. Golf Road, suite 200
60173 Schaumburg, IL
T +1 847 619 5541
www.oerlikon.com/balzers/us

**Belgium**
Oerlikon Balzers Coating Benelux N.V./S.A.
Nijverheidslaan 5470
3800 Sint-Truiden
T +32 11 69 3040
www.oerlikon.com/balzers/be

**Our worldwide coating centre network addresses are listed at:**
www.oerlikon.com/balzers

**India**
Oerlikon Balzers Coating
India Pvt. Ltd.
EL-22, J Block, MIDC, Bhosari
411 026 Pune
T +91 20 3061 6000
www.oerlikon.com/balzers/in

**Czech Republic**
Oerlikon Balzers Coating Austria GmbH
Červený Kříž 282
58602 Jihlava
T +420 561 201 500
www.oerlikon.com/balzers/cz

**Japan**
Oerlikon Japan Co., Ltd. Balzers
7-2-2 Shinomiya, Hiratsuka-shi,
254-0014 Kanagawa
T +81 463 54 2220
www.oerlikon.com/balzers/jp

**Germany**
Oerlikon Balzers Coating Germany GmbH
Am Ockenheimer Graben 41
55411 Bingen
T +49 67 217 930
www.oerlikon.com/balzers/de

**South Korea**
Oerlikon Balzers Coating Korea Co., Ltd.
49, Hansan-gil, Cheongbuk-eup,
Gyeonggi-do
17792 Pyeongtaek
T +82 31 680 9900
www.oerlikon.com/balzers/kr

**Liechtenstein**
Oerlikon Balzers Coating AG
Coating Centre
Iramali 18
9496 Balzers
Liechtenstein
T +423 388 5701
www.oerlikon.com/balzers/ch