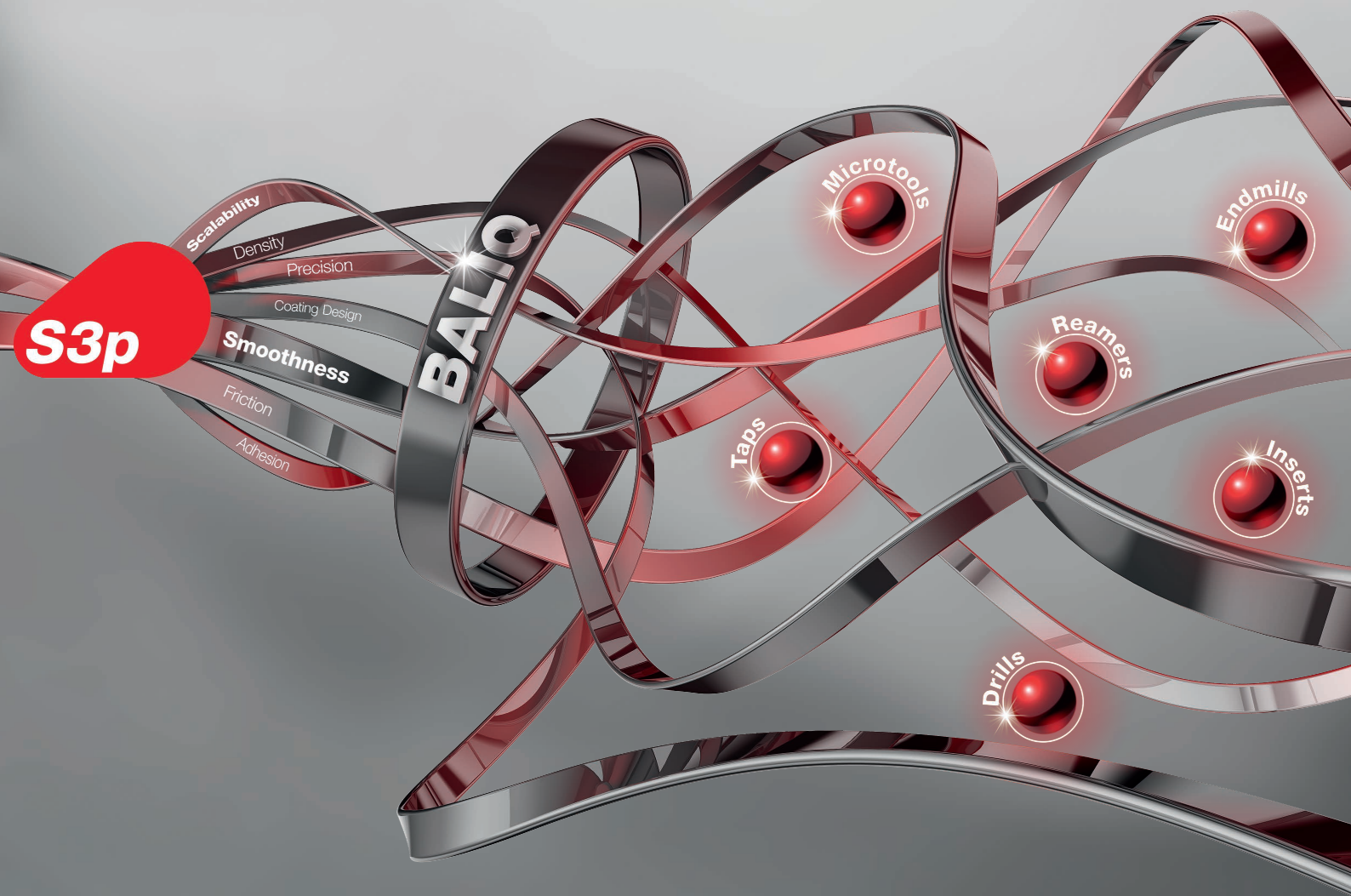


The Smooth Revolution BALIQ

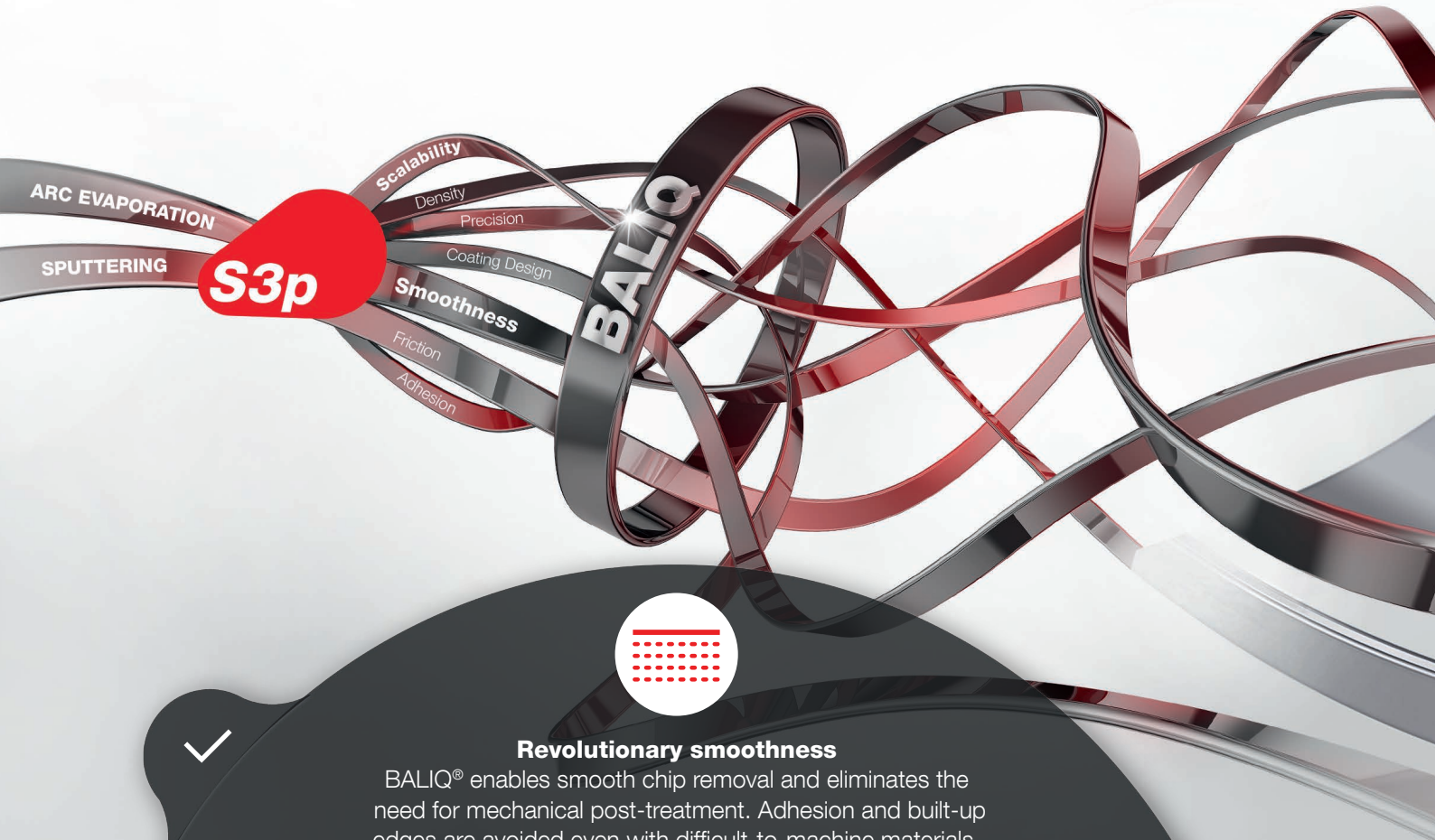


Follow the Flow of Intelligence!

Coatings that write history

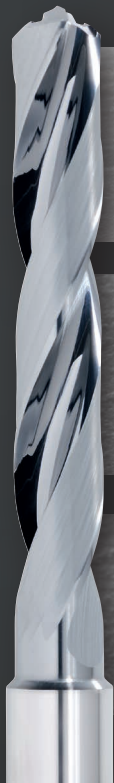
Experience BALIQ

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.



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.



BALIQ®

2000x

Arc Evaporation – post-treated

2000x

Arc Evaporation

2000x



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

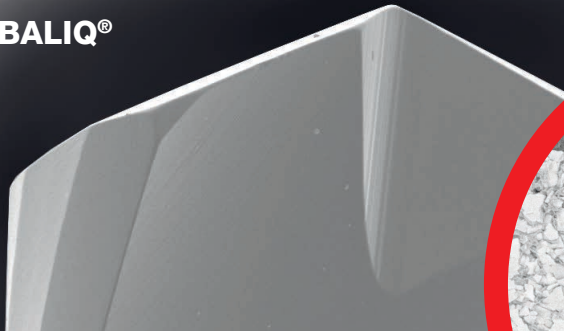
Among other benefits, the excellent coefficient of friction of BALIQ® results in improved chip flow and reduced built-up edge formation.



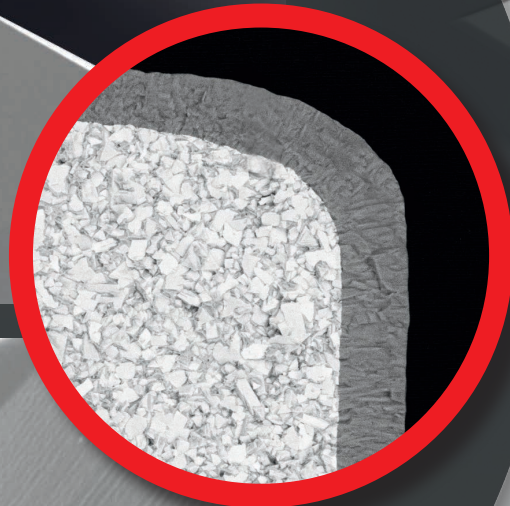
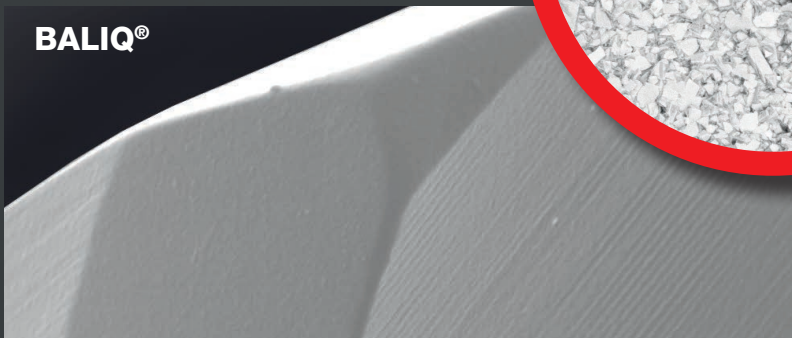
Exceptional precision

High precision in coating thickness distribution guarantees extremely sharp edges. Outstanding results are achieved especially with tools that have ultra-small diameters.

BALIQ®



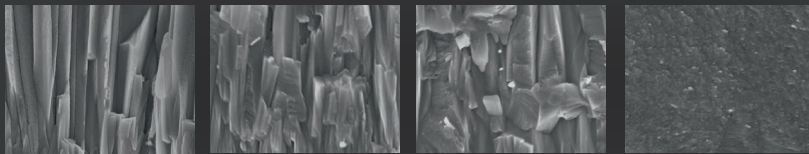
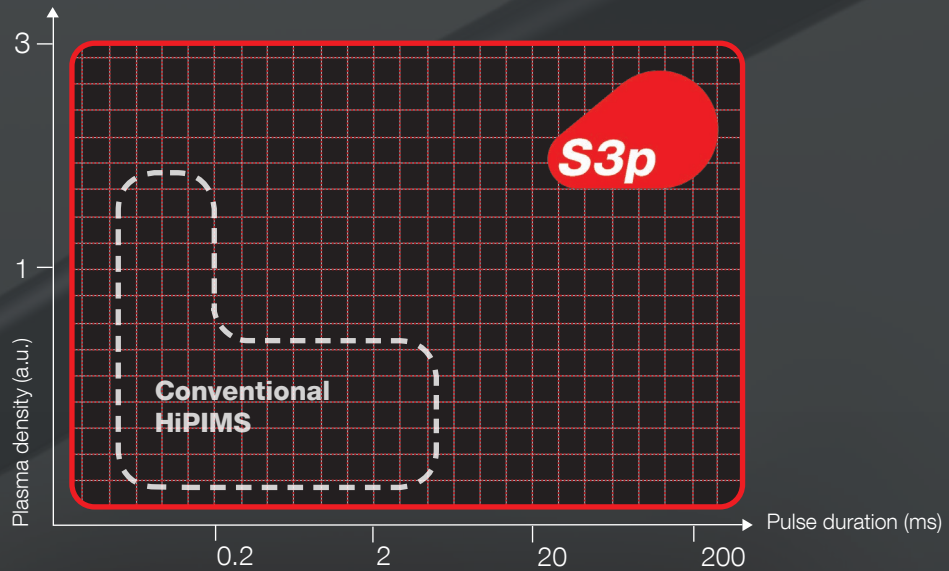
BALIQ®





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.

Tailored to your requirements

Reamers



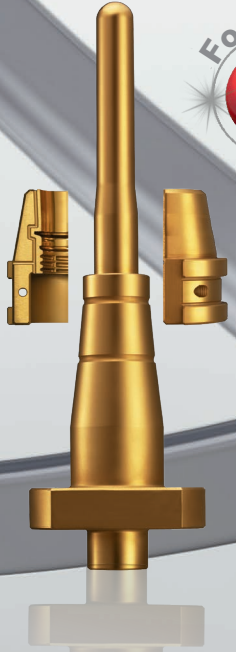
Endmills



Inserts



Forming Tools



Microtools



Taps



Drills



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

Belgium

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

Czech Republic

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

Germany

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

Liechtenstein

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

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

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

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

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

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

Our worldwide coating centre
network addresses are listed at:

www.oerlikon.com/balzers