News Release

Oerlikon presents high-performance coatings for demanding motorsports components at the 2026 PRI Show

Elgin, Illinois, November 19, 2026 – **Motorsports engineers continuously work to improve the performance of highly loaded components under extreme operating conditions so that drivers can pursue their most ambitious racing goals. At the 2026 Performance Racing Industry (PRI) Show, Oerlikon will present high-performance coatings designed to reduce friction and protect these components from premature wear. The presentation will feature BALIQ CARBOS and BALIQ ALCRONOS for selected powertrain, valvetrain, turbocharger and gearbox applications.**

Motorsports components are exposed to high contact pressures, rapid temperature changes and severe mechanical loads. Oerlikon combines application expertise with its S3p (Scalable Pulsed Power Plasma) technology to tailor dense, smooth coatings to specific component and operating requirements. The aim is to support lower friction, greater wear resistance and more stable performance where component reliability can influence race results.

BALIQ CARBOS: lower friction for highly loaded sliding components

This diamond-like carbon coating is developed for components exposed to high contact pressure and sliding friction. Applied to parts such as camshafts, finger followers and piston pins, BALIQ CARBOS can help reduce frictional losses and protect against scuffing and wear. This supports efficient power transmission and reliable operation under high mechanical and thermal loads.

BALIQ ALCRONOS: wear protection at elevated temperatures

This aluminum chromium nitride coating is designed for components exposed to high temperatures, abrasion and demanding wear conditions. Its dense, smooth surface and strong adhesion can help protect high-load engine parts and turbocharger components. BALIQ ALCRONOS thus supports component durability and performance across severe temperature fluctuations.

Application-focused support for motorsports

Oerlikon offers coating services and application support through its global service network, helping customers identify and qualify suitable surface solutions for demanding motorsports applications.

The PRI Show takes place at the Indiana Convention Center in Indianapolis from December 10 to 12, 2026. Visitors can find Oerlikon at booth 1909 and discuss their component, material and operating requirements with Oerlikon specialists.





High contact pressures, rapid temperature changes and severe mechanical loads put motorsports components to the test. BALIQ high-performance coatings are engineered to reduce friction and wear, helping to extend component lifetime and maintain performance under extreme racing conditions. Photos: Oerlikon

BALIQ is a registered trademark of Oerlikon Surface Solutions AG.

For more information, please contact:

Worldwide
Petra Ammann
Head of Industry Marketing Communications
+423 388 7500

petra.ammann@oerlikon.com
www.oerlikon.com

Americas
Ana Isabel Hernandez
Marketing & Communications
+52 442 209 6838

anaisabel.hernandez@oerlikon.com
www.oerlikon.com

About Oerlikon

Oerlikon is a global leader in material science engineering. Through the right combination of surface technologies, advanced materials, coating equipment, engineered components and advanced manufacturing, we help customers improve the performance, efficiency, durability and sustainability of their products and processes. Our technologies are often invisible to the end user, but mission-critical to the industries that power modern life: aerospace, energy, semiconductors, medical, luxury, tooling, automotive and general industries. Headquartered in Pfaeffikon, Switzerland, Oerlikon operates in 38 countries with a global workforce of around 10,000 people. In 2025, Oerlikon achieved sales of CHF 1.6 billion.