P1 in Surface Solutions
Top-notch results:
Oerlikon Balzers DLC coatings on motorsport parts

On pistons:
+ 4 HP

On camshafts:
- 40% friction

On suspension parts:
- 20% friction

On gears:
+ 3 HP friction
These are the most important requirements that drive success:

- Performance
- Reliability
- Global service

We provide performance enhancing surface solutions for:

Drive train
Your advantages:
- Use lubricants with lower viscosity
- Reduced wear if there is a lack of oil
- Reduced friction leads to efficiency gains
- Prevents micro pitting
**Valve train**

Your advantages:

- Reduced friction
- Reduced wear
- Increased performance
- Increased reliability
- Increased service life
- Enables lighter design

**Chassis**

Your advantages:

- Coating applied over the hard chromium
- Reduced seal wear
- Reduced leakage
- Improved drivability
More than just a coating ...

Typical applications

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**Working environment:**
Evaluation of oil's influence on coatings

**Coating:** PVD & DLC coatings

**Surface:** Proper preparation

**Substrate:** Metallurgical recommendations

**Counter part:**
Proper surface preparation
Oerlikon Balzers –
The perfect partner for highest demands

Oerlikon Balzers is one of the world's leading suppliers of surface technologies. Based on more than 20 years of experience in coating engine parts for the racing industry, Oerlikon Balzers provide performance coatings leading to less friction, less wear, more power and more reliability.

Marketed under the name BALINIT® and BALINIT® CAVIDUR, these solutions are designed to bring your performance and results to a new level.

Oerlikon Balzers operates a dynamically growing network of currently more than 100 coating centres in 34 countries throughout Europe, the Americas and Asia.

Along with Oerlikon Metco, Oerlikon Balzers is part of the Surface Solutions Segment of the Switzerland-based Oerlikon Group.

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