

**oerlikon**  
balzers

## **Top yarns.** **顶尖的纱线**

BALINIT coatings for open-end and ring spinning machines.  
经BALNIT涂层的开松式和环锭式纺织机。



**General Engineering**



## BALINIT coating improves performance.

### BALINIT 涂层性能提高。

Economic textile production would not be possible without textile spinning machines operating at a very high speed. Fast running fibres put extreme tribological stress on spinning components: runners in ring spinning, operating at more than 25.000 rpm bring nitride and hard chrome plated surfaces to their limit. Opening cylinders are highly abrasive loaded by fibres that even Ni-Diamond coatings can not provide sufficient wear resistance.

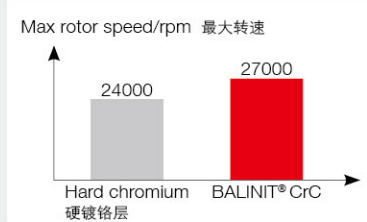
没有高速运转纺纱机就没有经济实用的纺织产品。快速运行纤维对纺织机零部件产生极大的摩擦：环锭纺纱机的运行速度在25.000转/分，这会使渗氮和表面镀铬达到极限。开松辊要承受纤维的高强度磨料磨损，即使Ni-Diamond 涂层也不能提供足够的抗磨损保护。

## Enhanced wear life of opening cylinders and less hairiness in ring spinning!

### 提升开松辊的寿命并减少环锭纺织的毛羽！



Nearly no wear of BALINIT® CNI coated dents of opening cylinder after 3000 hours polymer spinning.  
经过3000小时的聚合物纺丝，经BALINIT® CNI涂层的开松辊凹痕几乎没有磨损。



BALINIT® CrC coated spinning rings achieve higher spindle speed and 20% less hairiness compared to hard chromium plated rings.  
相比硬镀铬镀环，经BALINIT® CrC涂层的纺丝环的主轴转速提高且毛羽降低20%。

## Your advantages with BALINIT coated components:

### 经BALINIT涂层后的零部件的优势：

#### BALINIT® CrC coated spinning rings: 经BALINIT® CrC涂层的纺丝环：

- High wear resistance against steel runner and therefore a higher speed is possible
- Reduced hairiness compared to hard chromium plating
- Superior smoothness of yarn produced with PVD rings (compared hard chromium)

- 为钢转轮提供很好的耐磨损保护，因此使速度更高成为可能
- 较镀铬，毛羽减少
- 有PVD环的纱线生产更具极好的平滑性。(与镀铬相比)

#### BALINIT® CNI coated opening cylinders: 经BALINIT® CrC涂层的开松辊：

- Higher wear resistance compared to Ni-diamond coatings for cotton and polyester for open end cylinders

- 相比经Ni-diamond涂层的棉花和涤纶开松辊，具有更好的抗磨损性

## We recommend: BALINIT coatings for high speed spinning with high performance.

### 我们推荐：BALINIT涂层使您的纺纱机在高速运转的同时具有更高的性能。

Coating 涂层	Coating material 涂层材料	Micro-hardness (HV 0.05) 维氏硬度(HV 0.05)	Typical thickness 标准厚度	Colour 颜色
BALINIT® CNI	CrN	1750	2-6 µm	Silver-grey 银灰
CrC coating	CrC	1600	2-4 µm	Grey 灰色

There's much more to talk about – please get in touch to discuss what we can do to improve your business.

更多需要了解，请与我们联系。

Oerlikon Balzers Coating (Suzhou) Co., Ltd | No.9 Chang Yang Street | Suzhou Industrial Park 215024 | Jiangsu Province | P.R.China  
T: +86 512 67620369 | F: +86 512 67620359 | E: info.balzers.cn@oerlikon.com | [www.oerlikon.com/balzers/cn](http://www.oerlikon.com/balzers/cn)

欧瑞康巴尔查斯涂层（苏州）有限公司 中国江苏省苏州市工业园区长阳街9号 邮编：215024

电话：86 512 67620369 传真：86 512 67620359 邮箱：info.balzers.cn@oerlikon.com 网址：[www.oerlikon.com/balzers/cn](http://www.oerlikon.com/balzers/cn)