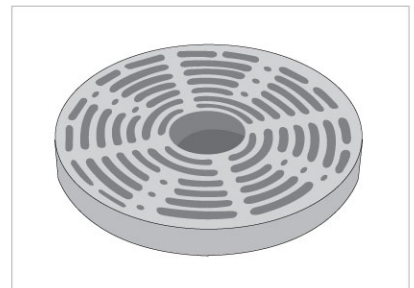


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balzers

Air power. 空气动力

BALINIT[®] coatings for high-performance compressors.

BALINIT[®] 涂层为您带来高效压缩机。



General Engineering



BALINIT® coatings prolonge compressor life.

BALINIT® 涂层为您的压缩机延长使用寿命

Components of Industrial compressors have to work under challenging conditions: Reciprocating pistons, screws or valve plates can suffer significant wear when oil-free operation, dry gases, refrigerants, high or low temperature limit the utilization of lubricants. BALINIT® DLC (diamond like carbon) reduces significantly wear and enhances the lifetime of compressor components.

工业压缩机零部件的工作环境具有挑战性：往复式活塞、螺杆或者阀片在无润滑、干气、制冷剂、受限于高温或低温无法使用润滑油的情况下，遭到明显的磨损。BALINIT® DLC（类金刚石）显著减少磨损，延长压缩机零部件的寿命。

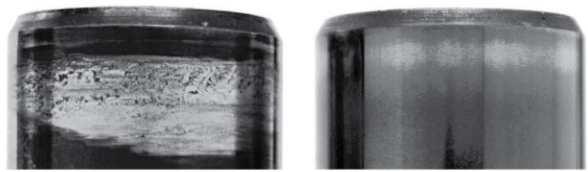
Your advantages with BALINIT® coated compressor components.

经 BALINIT® 涂层的压缩机零部件的优势

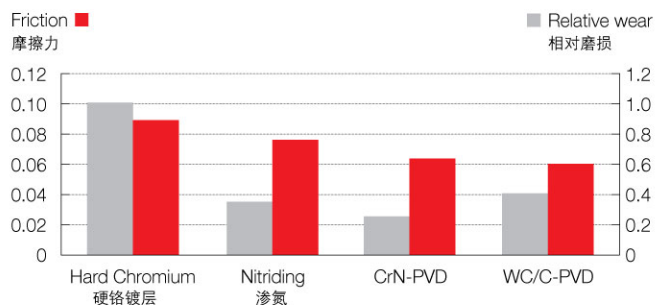
- Increased wear resistance due to high hardness
 - Longer service life at critical lubricating condition
 - Reduced friction of the components and thus higher efficiency
- 由于其高硬度，增加耐磨性
 - 在缺少润滑油的时候，延长使用寿命
 - 减少零部件间的摩擦，从而提高效率

You'll get less wear for mechanical seals and longer life for critical lubrication conditions.

减少机械密封件的磨损；在缺少润滑油的时候，延长使用寿命



Positive effects of BALINIT® DLC coated wrist pins.
经BALINIT® DLC涂层的活塞销效果



BALINIT® coated piston rings show less friction and wear compared to hard chromium or nitride rings.
经BALINIT®涂层的活塞环相比经镀硬铬和渗氮的活塞环，摩擦和磨损更低。

We recommend: BALINIT® coatings for optimum efficiency.

我们推荐：BALINIT® 涂层为您带来最佳效率

Coating 涂层	Coating material 涂层材料	Micro-hardness 维氏硬度 (HV 0.05)	Typical thickness 标准厚度	Colour 颜色
BALINIT® DLC	a-c:H	2500	2-4 µm	Black-grey 灰黑色
BALINIT® CNI	CrN	1750	2-40 µm	Silver-grey 银灰色

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

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