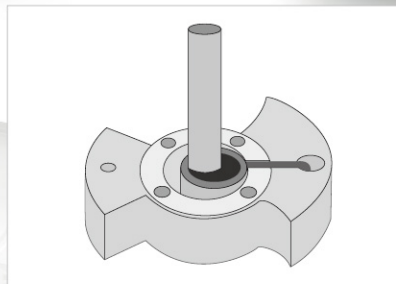
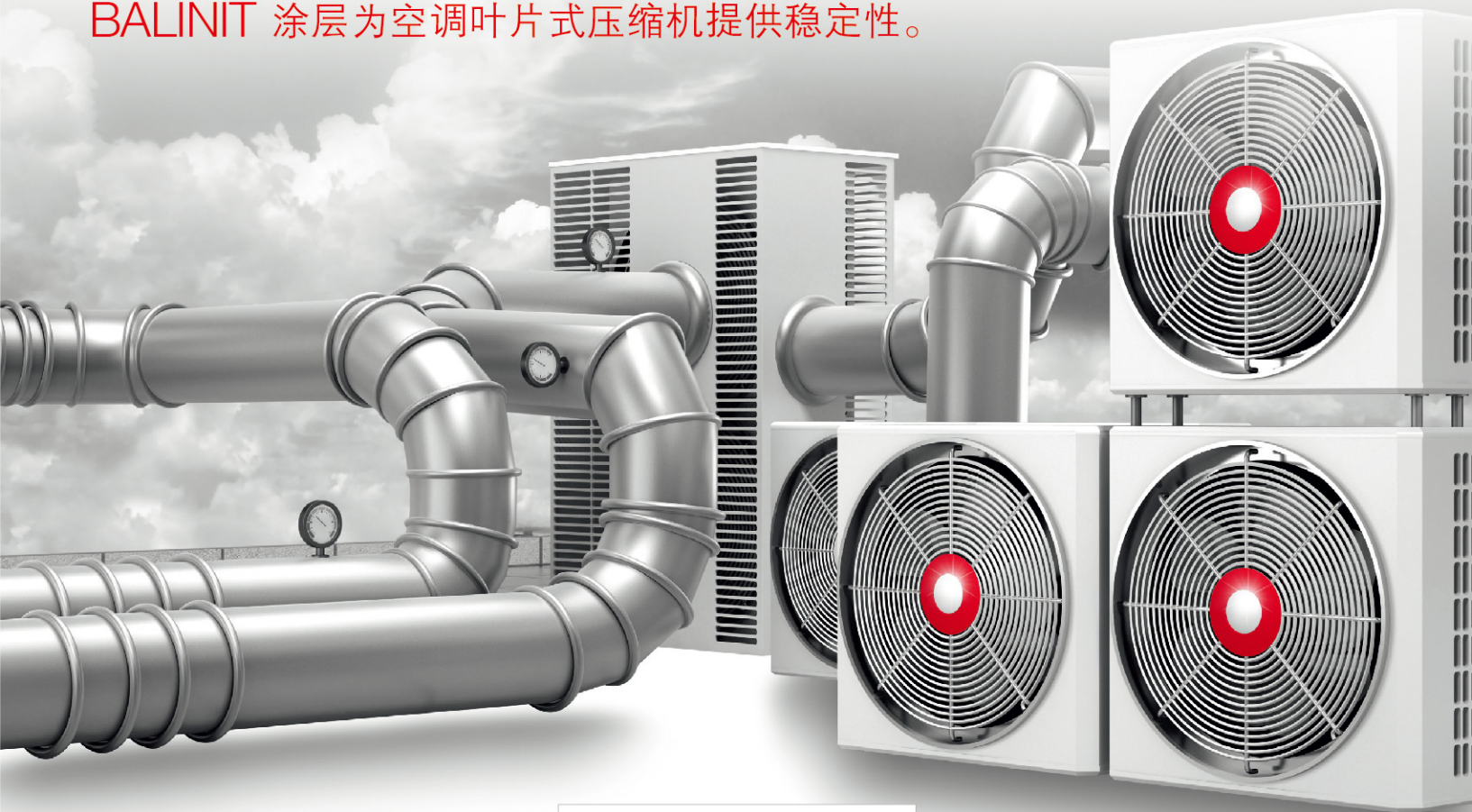


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balzers

Stay cool. 保持凉爽

BALINIT coatings for reliable air conditioning
vane compressors.

BALINIT 涂层为空调叶片式压缩机提供稳定性。



General Engineering



BALINIT coatings enable efficiency and quiet operation of air conditioning compressors.

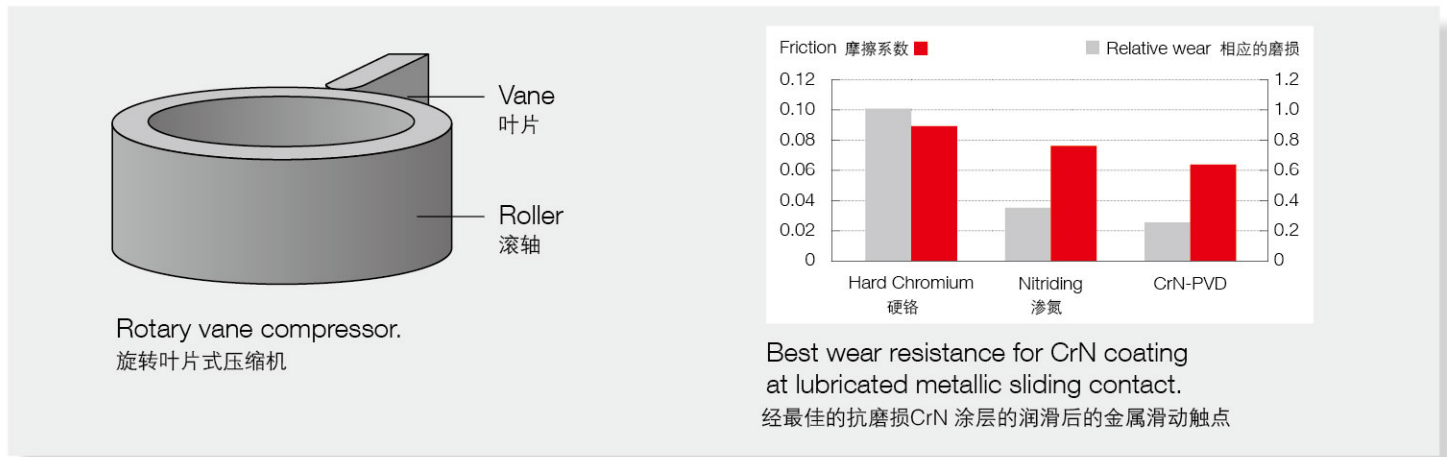
BALINIT 涂层使空调压缩机更高效地安静运行。

Rotary vane compressors are used for air conditioning in household and mobile applications. The vane nose slides against the rotating roller driven by an eccentric shaft. AC compressors operating with environmentally friendly lubricants increase tribological stress between the vane nose and rollers. Lower loaded compressors work with nitrided vanes while the higher performance systems (noise and energy efficient) need hard and low friction PVD coatings to enable sufficient operational lifetime and energy efficiency.

旋叶式压缩机在家庭和移动装置的空调上使用，叶片头划过由偏心轴驱动的旋转滚子，空调压缩机使用的环保型润滑油提升了叶片头和滚子之间的摩擦压力。低载的压缩机可以使用渗氮的叶片，而高效系统（低噪节能）则需要更高硬度更低摩擦系数的PVD涂层来达到满足其在使用寿命和能耗方面的要求。

Trust in low friction and low wear of PVD coated vanes:

经PVD涂层的叶片保证更低摩擦和磨损：



Your advantages with BALINIT coated compressor vanes:

经BALINIT涂层的压缩机叶片的优点：

- Excellent wear resistance in AC operation in combination with environmentally friendly refrigerants and lubricants 在空调运行中，优良的耐磨性与环保的制冷剂和润滑剂相结合。
- Low friction for improved energy efficiency 低摩擦提升能源效率。

We recommend: BALINIT D for more reliability.

我们推荐：BALINIT D带来更多的稳定性。

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	Coefficient of friction μ against steel (lubricated) 摩擦系数对钢 (润滑后)	Colour 颜色
BALINIT® D	CrN	1750	1-4 μm	0.06	Silver-grey 银灰

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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