Dynamic and clean in motion.
活力清洁地运行
BALINIT coatings for reliable linear guides and ball screw drives.
BALINIT 涂层为直线导轨和滚珠丝杠驱动器带来稳定性。
BALINIT C and BALINIT DLC are the optimal solution for low-wear dry running.

**BALINIT C和BALINIT DLC是针对低磨损干式运行环境的最佳解决方案**

Linear guides and ball screw drives must operate without lubrication in both chip production as well as in medical devices.

在芯片生产和医疗设备中使用的直线导轨和滚珠丝杠驱动必须在无润滑的环境下运行。

**Benefit now from less friction and greater lifetime:**

减少摩擦和使用寿命延长给您带来的好处:

![Friction torque vs. Speed graph]

Friction torque [Nm] vs. Speed [mm/s]

**Less friction and torque with BALINIT® C coated balls**

经BALINIT® C涂层的滚珠丝杠驱动减小

![Lifeline graph]

Lifetime [Number of roller revolutions] vs. Coating Type

**Longer service life of a BALINIT® C coated ball compared to ceramic rollers in dry running.**

在干式运行环境下，经BALINIT® C涂层的导轨较陶瓷球的使用寿命更长。

20% of dynamic load factor C

**Your advantages with BALINIT C and BALINIT DLC linear guides and ball screw drives:**

经BALINIT C 和 BALINIT DLC 涂层后的直线导轨和滚珠丝杠驱动器的优势:

- Higher wear resistance in dry running and poor lubrication conditions
  干式运行和润滑条件下，具有更高的抗磨损保护
- Higher load-bearing capacity
  更高的承载能力
- Enables clean manufacturing conditions
  使生产条件清洁
- Higher dynamics of screw drives
  螺杆传动的动力增加

<table>
<thead>
<tr>
<th></th>
<th>BALINIT® DLC</th>
<th>BALINIT® C</th>
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<tbody>
<tr>
<td>Coating material</td>
<td>a-c:H</td>
<td>Me-C:H</td>
</tr>
<tr>
<td>Micro hardness (HK 0.05)</td>
<td>2,500</td>
<td>1,000</td>
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<tr>
<td>Typical thickness</td>
<td>2 - 4 μm</td>
<td>2 - 4 μm</td>
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<tr>
<td>Coefficient of friction μ</td>
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<td>0.1 - 0.2</td>
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<tr>
<td>Colour</td>
<td>Black grey</td>
<td>Anthracite</td>
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</tbody>
</table>

**We recommend: BALINIT C and BALINIT DLC for more wear resistance and durability.**

我们推荐：BALINIT C和BALINIT DLC 给您带来更多的抗磨损保护和更高耐用性。

There’s much more to talk about – please get in touch to discuss how we can help you to improve your business.

需要了解更多信息，请与我们联系

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