

oerlikon
balzers

Top yarns.

BALINIT coatings for open-end and ring spinning machines.



General Engineering



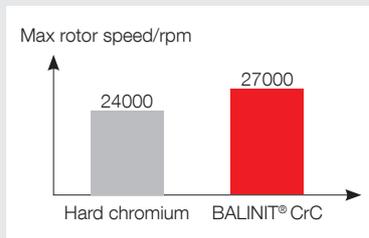
BALINIT coating improves performance.

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.

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



Nearly no wear of BALINIT® CNI coated dents of opening cylinder after 3000 hours polymer spinning.



BALINIT® CrC coated spinning rings achieve higher spindle speed and 20% less hairiness compared to hard chromium plated rings.

Your advantages with BALINIT coated components:

BALINIT® CrC coated spinning rings:

- 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)

BALINIT® CNI coated opening cylinders:

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

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

Coating	Coating material	Micro-hardness (HV 0.05)	Typical thickness	Colour
BALINIT® CNI	CrN	1750	2-6 µm	Silver-grey
CrC coating	CrC	1600	2-4 µm	Grey

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

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