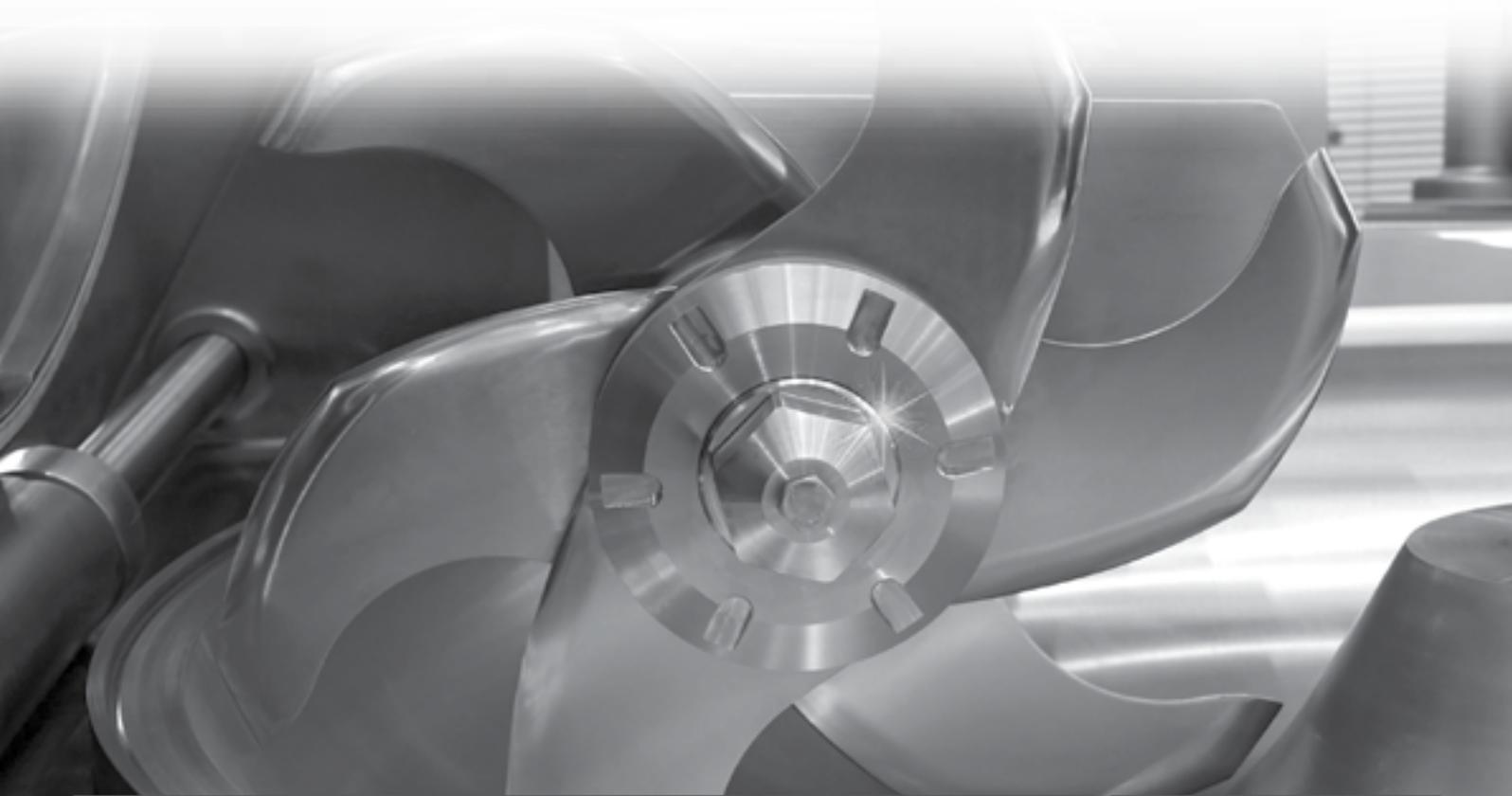


Good taste

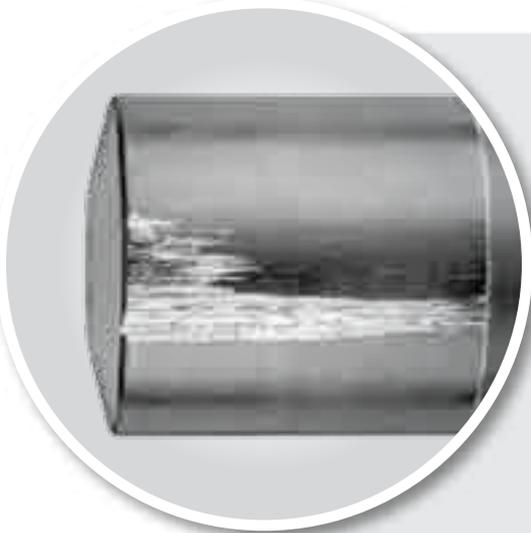
BALINIT coatings for food processing
and packaging





Meat grinding

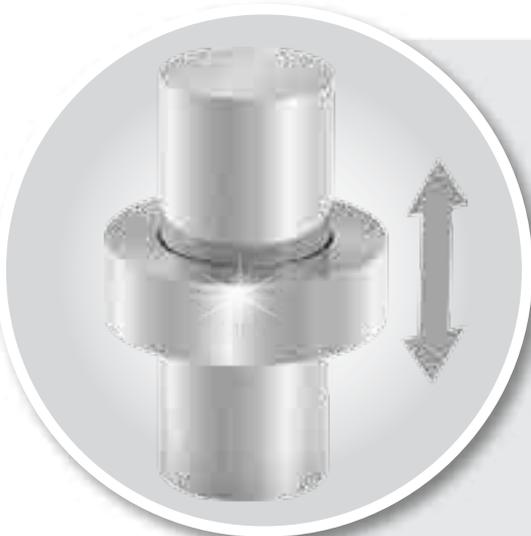
BALINIT® CNI, BALINIT® D and BALINIT® CROMA PLUS for meat grinding plates ensure excellent resistance against abrasive wear, corrosion and galling.



Food piston pumps

(For jam, syrup, chocolate, ice cream etc.)

BALINIT® C, BALINIT® DLC and BALINIT® DYLYN filling plunger coatings provide outstanding protection against seizure.



Wine bottling

BALINIT® C coated components in wine bottling systems give excellent protection against seizure.





Cereal punching

BALINIT® A and especially BALINIT® DYLYN punch coating for cereals prevents food from sticking and preserves sharpness for longer.



Meat filling

BALINIT® CNI coating for rotors and vanes in meat filling pumps provides outstanding resistance to abrasive wear, corrosion and galling.



Meat cutting blades

BALINIT® CNI coated meat cutting blades are significantly harder and maintain sharpness even with coating thicknesses of up to 6 μm .





Cutting knives for blenders and mixers

BALINIT® A coated blender knives not only have an attractive gold-yellow colour, but keep their sharpness significantly longer than uncoated knives.



Cardboard packaging

BALINIT® C coating for various sliding and bearing elements in high-speed cardboard packaging machines ensures smooth operation.



We recommend BALINIT coatings for greater reliability

	Coating material	Micro hardness GPa	Typical thickness for food processing	Coefficient of friction against steel (dry)	Coating colour
BALINIT® CNI	CrN	18 +/- 3	2 - 8	0.5	silver-grey
BALINIT® D	CrN	18 +/- 3	2 - 8	0.5	silver-grey
BALINIT® CROMA PLUS	CrN + Ox	25 +/- 3	2 - 8	0.5	rainbow
BALINIT® A	TiN	30 +/- 3	1 - 4	0.6	gold-yellow
BALINIT® C	WC/C	10 +/- 3	1 - 4	0.1 - 0.2	anthracite
BALINIT® DLC	a-C:H	15 - 25	1 - 3	0.1 - 0.2	black
BALINIT® DYLYN	a-C:H:Si	20 - 25	1 - 3	0.1 - 0.2	black

All given data are approximate values, they depend on application, environment and test condition.

BALINIT makes your food processing more reliable

Food processing machinery components work in a corrosive, abrasive and non-lubricated environment. Typically either soft stainless austenitic steels or hardened martensitic steels are used. They are just about adequate for coping with the demands of resistance to abrasive wear and gal-

ling. BALINIT® coatings have significantly higher hardness and lower friction and can therefore enhance wear life of many different components in meat grinding, meat filling, liquid food filling, meat cutting, liquid bottling machinery, blender knives, cereal punches and packaging machines.

The advantages of BALINIT-coated components

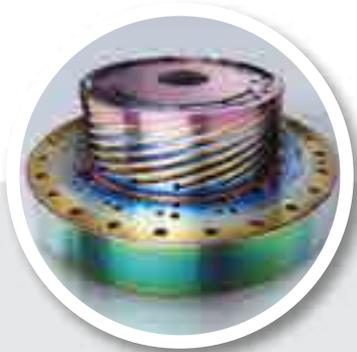
- Higher surface hardness, meaning less particle abrasion
- Less danger of galling due to ceramic-like surface
- Damage-free cleaning due to higher surface hardness
- FDA approved coating solution
- Long-lasting sharpness of punches and knives
- Attractive colours
- Excellent release and non-stick properties



BALINIT® coatings are low-friction, helping prevent galling and seizure.



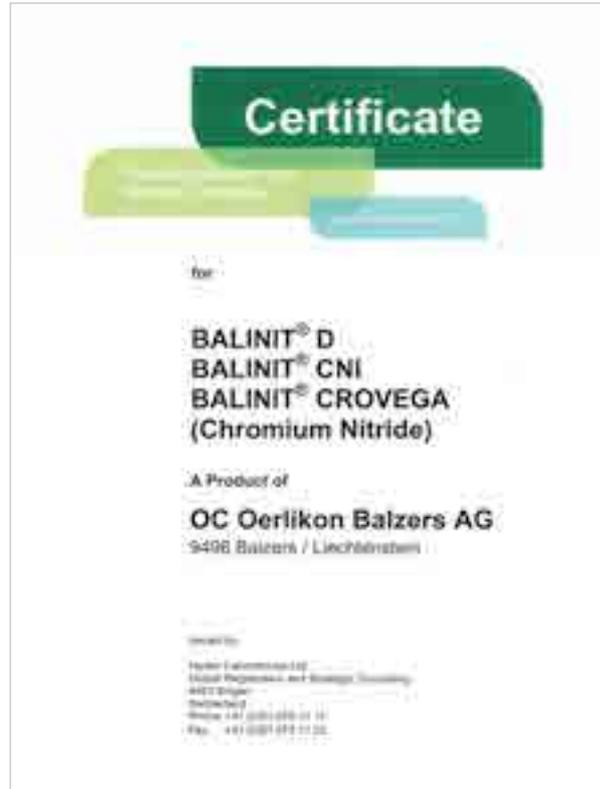
BALINIT® coatings have thicknesses measured in micrometers, preserving blade precision and sharpness.



BALINIT® CROMA PLUS not only produces unique colours thanks to an interference effect – it also has outstanding release properties against food and polymers.



Approved for the food industry



All coatings mentioned in this flyer as BALINIT® CNI, BALINIT® C , BALINIT® A, BALINIT® CROMA PLUS, BALINIT® DLC and BALINIT® DYLYN have FDA approval.
BALINIT® CNI, BALINIT® D, BALINIT® C and BALINIT® DLC also have USDA approval.

**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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