Save up to 20% of your production costs by increasing your cutting speed
通过提升切削速度，为您节约20%生产成本

**BALINIT® ALCRONA PRO**

**BALINIT® ALTENSA**

**288 € savings with BALINIT® ALTENSA**

**BALINIT ALTENSA**

Speed pays off

The high-speed solution for productive gear cutting

齿轮回的高速切削解决方案

Benefit from the BALINIT ALTENSA high-performance coating

Contact us now!

想尝试BALINIT ALTENSA高性能涂层立刻联系我们!

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BALINIT ALTENSA: because productivity, time and cost are the deciding factors

Gear cutting applications such as hobbing, gear shaping and bevel gear cutting must meet continually rising requirements. Shorter and shorter machining times are required in order for productivity to be increased while reducing costs at the same time. You can attain this goal by using the innovative high-speed coating solution BALINIT® ALTENSA from Cermark Balzers. With it, you will benefit from unique coating properties that allow for extremely fast cutting speeds and high temperatures, leading to huge productivity gains as well as cost efficiency. Be ahead of the times: take advantage of the many benefits offered by Cermark Balzers, a worldwide technological leader in the field of hard coating solutions.

Benefit from these coating properties

OPTIMIZED PERFORMANCE 优化性能

- Improved hot hardness
  - Reduced wear at high cutting speed
    - 在高速切削环境下减少磨损
  - Reduced flank wear at moderate and high cutting speed
    - 中低速切削中减少刀具磨损

- Increased abrasive wear resistance
  - 增加抗磨性能

- Lower thermal conductivity
  - 降低热传导

- Optimized oxidation resistance
  - 提高抗氧化性

BALINIT® ALTENSA 产性，费用效率和实质的时间节省 提高产能、提升效率、节约大量时间

Application recommendations

Bevel gear cutting 嵌设位加工
Hobbing 滚齿
Gear shaping 插齿

BALINIT ALTENSA: maximum performance for hobs, stick blades and shaper cutters

BALINIT ALTENSA: 最大程度提高滚刀、刀条和插齿刀的性能

PM-HSS hob
+ 70% tool life at high cutting speed
在高切削速度下提高70%的刀具寿命

Carbide hob
+ 30% tool life at high cutting speed
在高切削速度下提高30%的刀具寿命

Stick blades: longer tool life at 35% increased cutting speed
刀条：提高35%的工作寿命在提高切削速度

Shaper cutter: +140% tool life at moderate cutting conditions
插齿刀：提高140%的工作寿命在中速切削条件下

PM-HSS shaper cutter
PM-HSS插齿刀

Carbide shaper cutter
硬质合金插齿刀

Source 来源
Automotive supplier France 汽车供应商法国
Automotive supplier Germany 汽车供应商德国