

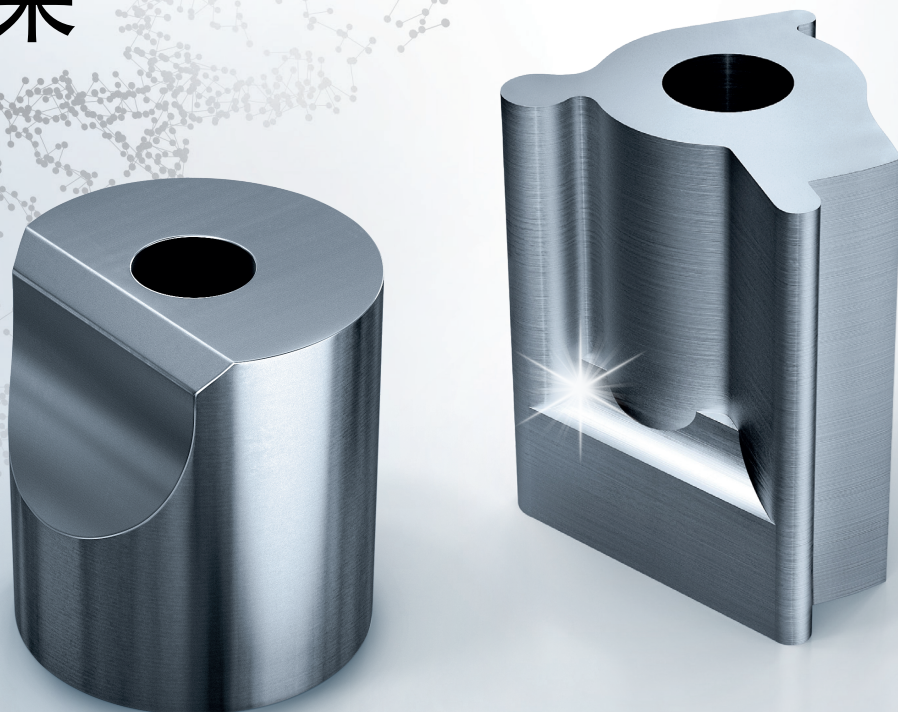
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BALINIT ALCRONA EVO

Born to evolve.

Made to last.

为进化而生
为高效而来



Metal Forming
金属成型



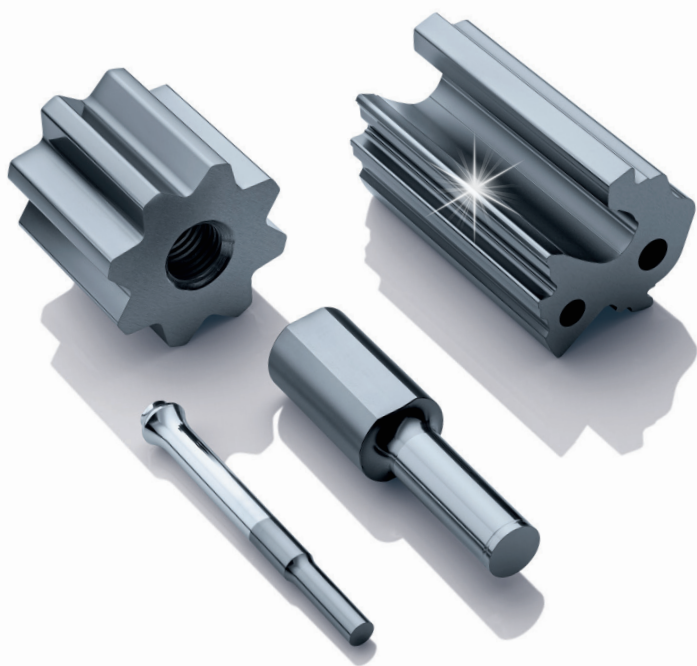
BALINIT ALCRONA EVO – the evolution of a coating legacy, pushing the boundaries in punching and forming applications

传奇涂层进化，突破多种金属冲压和成型应用极限

Today's manufacturing processes place even greater mechanical and thermal demands on many of your tools. BALINIT® ALCRONA EVO, a true evolution of the benchmark coating for years, has raised the bar again and delivers outstanding results in a broad range of metal forming applications. 现今的金属加工工艺对您的诸多工具提出了更高的热力学需求。BALINIT® ALCRONA EVO是2004年推出的通用涂层的全新升级，再次提高了标准，在广泛的金属成型模具应用中展现出卓越的成果。

BALINIT ALCRONA EVO is made for applications like:
BALINIT ALCRONA EVO适用于以下应用：

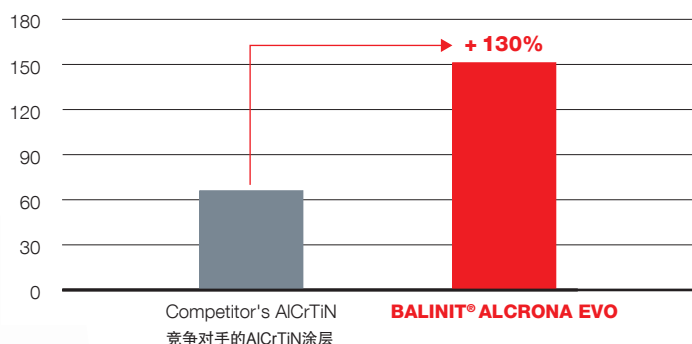
- **Piercing and blanking** 冲孔和落料
- **Fine blanking** 精冲
- **Cold & hot forging** 冷锻和热锻
- **Extrusion** 冷挤压



BALINIT® ALCRONA EVO offers you even more productivity than its predecessor coating. Its further optimized coating properties significantly extend tool life in many forming applications while delivering superior part quality. BALINIT® ALCRONA EVO比其前代涂层更具生产力，其增强的涂层性能，在提供卓越的工作品质的同时，可在多种成型应用中显著提升模具寿命。

Fineblanking of gears with BALINIT ALCRONA EVO 齿轮精冲

Tool life [1,000 parts] 工具寿命[1000件]



Tool 工具	Fineblanking punch 精冲冲头 (80 x 47 x 80 mm) Tool material 工具材质: M2 / 1.3343
Workpiece 工件	Automotive gears 汽车齿轮, 2.6 mm
Benefit 优势	Increased tool life 增加工具寿命
Source 数据来源	Manufacturer of automotive metal components in Asia 亚洲汽车金属零部件制造商

Coating properties at a glance: 涂层属性一览 BALINIT® ALCRONA EVO

Coating material 涂层材料	AlCrN-based 氮铝铬基
Coating hardness H_{IT} [GPa] 涂层硬度	44 +/- 4
Compressive stress [GPa] 内应力	-3.5 +/- 1
Max. service temperature [°C] 最大工作温度	1,100
Coating temperature [°C] 涂层温度	< 500
Coating color 涂层颜色	bright grey 亮灰色

Increase your performance and benefit from the numerous advantages of BALINIT ALCRONA EVO. Contact us!

即刻联系我们！增强您的模具性能并受益于 BALINIT ALCRONA EVO 的诸多优势

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