



RS Coating

- 從精切到粗銑 From Finishing and Roughing
- 從乾式到濕式 From Wet and Dry Cutting
- 從不銹鋼、鈦合金到鑄鐵、模具鋼
From Stainless Steels, Titanium Alloy, Cast Iron, Mold Steels
- 得簡化 Get Simplification
- 得萬用 Get Universal
- 得效率 Get Efficiency
- 得金錢 Get Reducing Cost



RS Series

Technical Data

Details 產品特點

瞭解RS塗層 Feature of RS coating

- 抗熱 Oxidation start temperature : 1,000°C
- 硬度 Hardness: 2,800HV
- 摩擦係數 Coefficient of friction : 0.4
- 薄膜厚度 Thickness (μ) : 3~ 4 μ
- 顏色 Color:銀色 Silver
- 乾、濕式切削，加工軟材為一般AlTiN的2至3倍壽命。
Dry and Wet Coolant , Cutting performance of soft material improved by 2~3 times than Altin Coating



CrSiN與CrN差別在何? Difference between CrSiN and CrN

- CrSiN:含Si能夠細化CrN晶粒，甚至可達奈米等級，除具CrN一切優點外更可提高其硬度至30~40GPa，且耐熱溫度可達到1,000度。
CrSiN Coating can improve the CrN grain to be reached NANO grade. Excepting the all advantage of CrN coating, it drastically improves the hardness to 30~40GPa and Oxidation start temperature:1,000°C
- CrN:含Cr對鐵金屬的親和性相當低，大都不與鐵材產生反應，其真正潤滑性使鍍膜擁有不沾粘之特性且具備低摩擦係數，唯美中不足其硬度僅有17~20GPa且其耐熱溫度僅為700度。
CrN coating with Cr element has low affinity with Fe material. It exhibits lower friction than that of conventional coating. But the Hardness only 17~20GPa and the Oxidation Start Temperature 700°C.

Rs塗層應用在哪? Application of RS

- 乾式加工 Dry Cutting
- 濕式加工 Wet Cutting
- 一般加工 General Cutting
- 高速加工 High Speed Cutting
- 鑄鐵、不鏽鋼、鈦合金、炭素鋼、銅、鋁...等幾乎包含所有被加工材
Cast Iron, Stainless, Titanium Alloy, Carbon Steel, Copper, Aluminium

Rs塗層優點 Advantage of RS

- 大幅增加刀具、模具之使用壽命 Improve the tooling and mold life
- 增加製造良率 Improve productivity and product quality
- 提高工件表面品質 Better Surface finish
- 增加脫膜性 Mold Release forces
- 提高切削條件 Improved Cutting Condition