

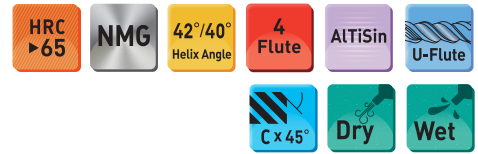
# Variable End Mill with U-Flute 不等導程R溝立銑刀

UP系列  
UP Series

## Features / 特色

> 994L-UP

Grain Size:0.3µm  
Cobalt%:9%

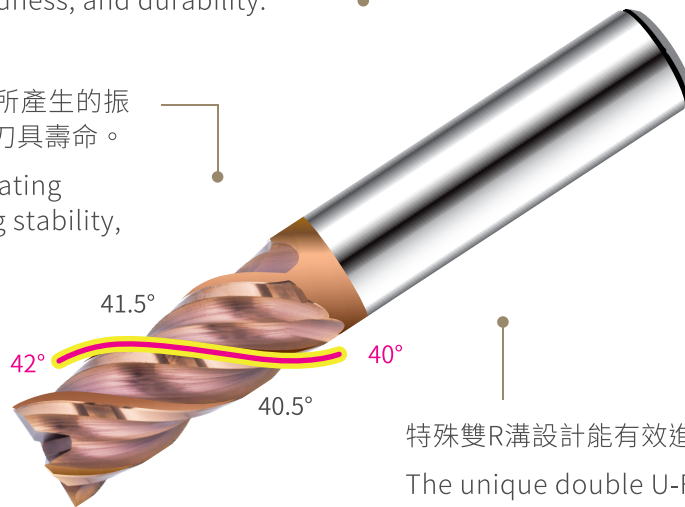
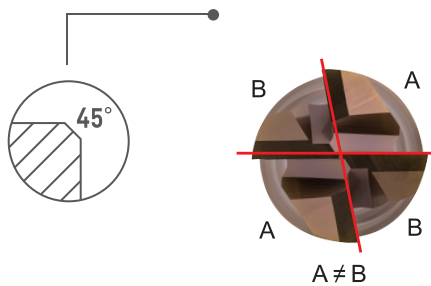


刀具被覆ALTiSiN塗層，氮化鋁鈦矽塗層相較一般塗層可承受更高溫度，硬度表現及耐磨耗性也更為優異。

Coated with high-quality ALTiSiN. Compare with the traditional TiSiN, the ALTiSiN coating provides better high-temperature resistance, hardness, and durability.

藉由不等導程的設計來減少切削時所產生的振動，提高加工穩定性、加工速度及刀具壽命。

The variable design reduces operating vibrations. It improves the cutting stability, cutting speed and lifespan.



特殊雙R溝設計能有效進行斷屑及排屑。

The unique double U-Flute design leads to an incredible chip removal ability.

由於塗層後再次對刀具進行拋光作業，使表面塗層的耐久性得到了大幅的改善。他還可以使刀具壽命延長200%-300%，加快進給速度並縮短切削時間。

Improvement of durability for surface coating due to the drag polishing process after the coating. Not only brings a 200-300 percent increases in tool life, but also faster feed rates, and reduce cutting time cycles.

## Applications / 應用

- ▶ 可應用於合金鋼、模具鋼、工具鋼、熱處理鋼材。  
It applies to Alloy Steel, Mold Steel, Tool Steel, Heat Treatment Material.
- ▶ 特別適用於粗加工及開槽加工，同時也提供優異的加工表面精度。  
Especially suitable for roughing & slotting. It also provides incredible cutting surface finish & high-precision.