



FHIP+

series



創新 Innovation :

結合粗銑精銑的優點，金屬去除率高且快，並獲得光滑的表面質量。

Combine the advantage of roughing and finishing milling ,remove chip efficiently and smooth surface quality.

環保 Environment Protection :

AlCrSiN(nACro) 奈米氮化鉻鋁鈾塗層乾式切削技術，節省冷卻潤滑設備投資、降低加工成本、減少資源消耗、防止切削液污染環境、實現綠色加工。

Excellent AlCrSiN(nACro) coating for dry machining

Reduction of coolant oil

Reduction of production cost

Reduction of Energy Consumption

Reduction of cleaning Effort

Economical Environmentally manufacturing



本產品已獲德國專利
字號：Nr.20 2007 008 896.5
Patent of Germany
No:Nr.20 2007 008 896.5
多國專利申請中
Apply in the multinational patent,



本產品已獲日本專利
字號：Nr.3145278
Patent of Japan
No:Nr.3145278
多國專利申請中
Apply in the multinational patent,

創新 · 環保 · 專利

Innovation · Environmental Protection · Patent

Details 產品特點



UMG-FHPC UMG-FHPMC UMG-FHPLC UMG-CR-FHPC



- The FHP⁺ endmill features 4 flutes with a 45° helix, four serrated flutes and four continuous flutes.
 - The tool is fully effective and enables running at rough machining parameters, resulting in finish surface quality.
 - The unique tool design reduces vibration at high load applications.
 - The tool produces short and long chips simultaneously. This chip mixture is evacuated more easily than each individual chip type an excellent solution in slotting and cavity milling applications.
 - One tool change and setup time can be eliminated.
 - A single tool replaces the roughing and finishing endmills, dramatically reducing cycle time and increasing productivity.
 - Extra tool position is gained on the machine.
 - Eliminates the need to keep a large amount of stock.
 - 4 flutes : 4 serrated plus 4 continuous flutes.
 - Excellent performance and tool life.
 - Suitable for all types of steel.
 - Excellent performance in machining titanium, Inconel, stainless steel and high temperature alloys.
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- FHP+立銑刀，45° 螺旋角，4螺旋刃，4螺旋刃帶鋸齒，4光滑螺旋刃
 - 高效刀具，粗加工的切削參數，精加工的表面質量
 - 獨特設計減小了高負荷下刀具的振顫；有不等斷削槽設計
 - 短小切屑及長切屑同時產生，長短混合的切屑比單一類型的切屑更易於排出，是槽銑加工及型腔銑削的出色解決方案
 - 僅一把刀具，無調試時間
 - 僅一把銑刀就完成了粗銑及精銑加工，出色地減少了加工週期及提高了生產率
 - 刀庫中多了一個安裝其他刀具的刀位
 - 當銑刀規格繁多時，會很明顯地為您減少庫存量
 - 最頂尖的AlCrSiN奈米金屬三元素薄膜
 - 4個螺旋刃，4螺旋刃帶鋸齒，4光滑螺旋刃
 - 表現卓越，刀具壽命長
 - 加工鈦合金，鎳鉻鐵合金（inconel），不銹鋼及高溫合金時，表現不凡