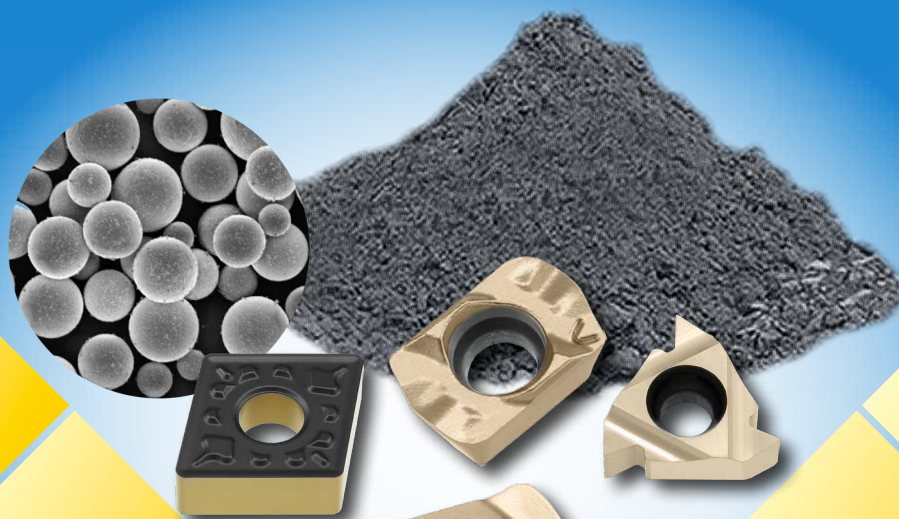


捨棄式刀片整合式生產線

Integrated Manufacturing for Carbide Inserts

- 台灣唯一整合式生產製造廠
- 提供客製化刀片專業製造服務
- 銑、鑽、車、牙刀片庫存豐富



模具設計
Tooling Design

粉末選用
Powder Selection

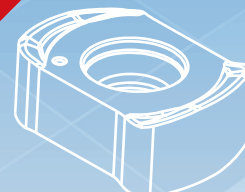
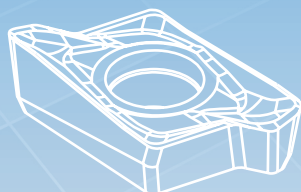
沖壓成形
Pressing

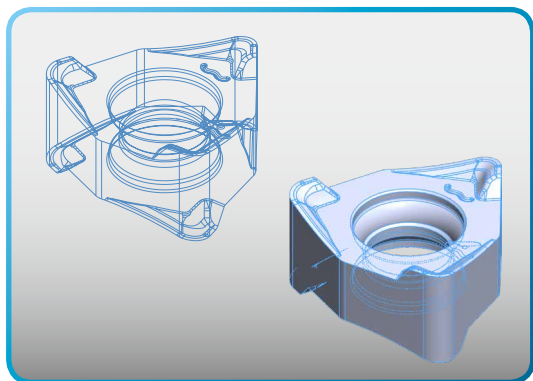
加壓燒結
HIP Sintering

研 磨
Grinding

塗 層
Coating

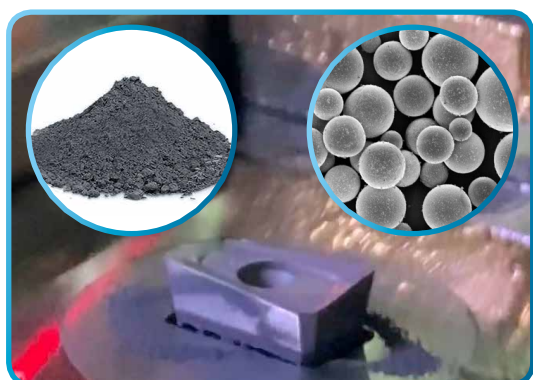
檢 驗
Inspection



Step 1**模具設計與製造** *Tooling Design*

我們在 CAD/CAM 工作站上進行設計和編程，並進行 3D 模擬，設計出合適的幾何模具以滿足各種不同的加工應用。

We design and program the inserts in our CAD/CAM workstation and 3D simulation. The tooling is designed with proper geometry to meet different machining application.

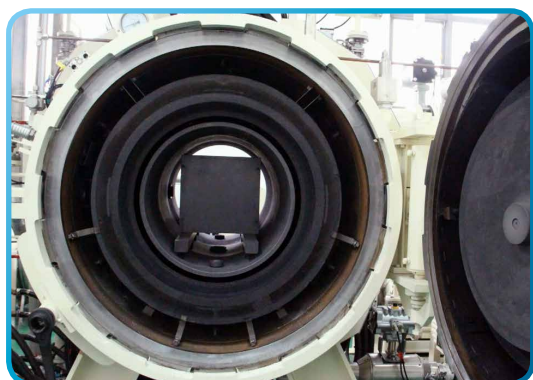
Step 2**粉末選用與沖壓成形** *Powder Selection & Pressing*

使用最優質、最穩定歐美碳化鎢粉末作為刀片的主要基材。

自動化的沖壓製程生產具有完整功能性的切削刃口。

Ensure the best stable quality of inserts, which are made from grade powder imported from USA as our major substrate.

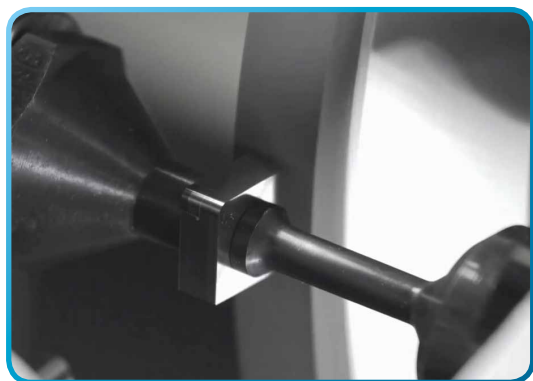
Automatic pressing process produces uniform and functionable cutting edges.

Step 3**加壓燒結** *HIP Sintering*

萬事達工廠有先進的高溫加壓燒結工藝，可消除刀片氣孔及提升材質穩定性。

HIP sintering process in Winstar can eliminate the porosities and improve the quality stability of inserts.

Step 4 研磨 Grinding



高精度瑞士 CNC 磨床確保研磨公差。可以實現高精度不同輪廓的刀片表面品質。

High precision Swiss CNC grinders insure accurate tolerances. The surface finish of inserts can be achieved with high accuracy and various profiles.

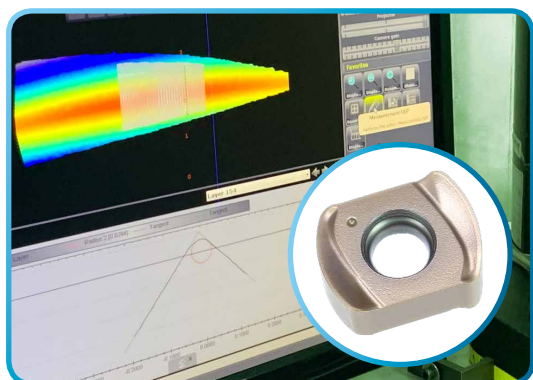
Step 5 塗層 Coating



我們工廠有來自德國高品質的奈米塗層設備，使刀片具有極高的抗氧化性和耐熱性。專為乾、濕和高速加工應用而設計。

We have in house high quality Nano coating facilities from Germany, which provide extremely high oxidation and heat resistance of the inserts. The coated inserts are good for dry, wet and high speed machining.

Step 6 檢驗 Inspection



採用德國儀器檢驗刀具產品，並符合 ISO 9001 品質管理系統的規範。

The Germany instruments are implemented for the product inspection under ISO 9001 quality management system.

捨棄式刀片 專業製造



- 銑床專用刀片

Milling Inserts

- 鑽床專用刀片

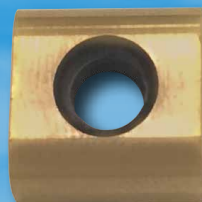
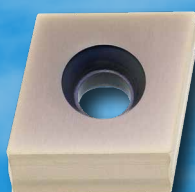
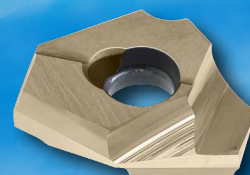
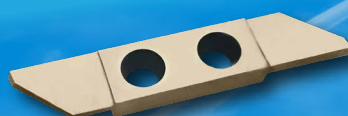
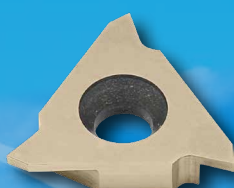
Drilling Inserts

- 車床專用刀片

Turning & Threading Inserts

- 客製化特殊刀片

Customized Inserts



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