

ABOUT CCTC 關於承昌

承昌鎢鋼為一專業生產碳化製品之台灣企業！

自1975年開始投入碳化鎢產業，此間深入各產業領域，深刻了解碳化鎢製品的品質對於工業製造的重要性，因而追求卓越品質，客製各產業優質鎢鋼製品是承昌之企業使命。

我們於1998年成立碳化鎢原料生產部門，引進國外生產技術及各項新型生產設備，並更進一步與學術暨研究單位合作，透過產學研之專業聯盟，成立承昌鎢鋼研發部門。承昌由一群高素質且年輕有活力的團隊所組成，不僅專業研發且重視每個客戶獨特多元的需求——沒有最好、只有更好，是我們始終追求超越客戶所託的品質要求。

Company Features 企業特色

- 專精於碳化鎢領域四十年，具有豐富生產經驗。
具備原料配製能力，始於原料配製終至產品完成的全程品質控管，滿足各產業客戶端多元生產條件之客製需求。
- 健全且彈性之生產能力，24小時作業模式，挑戰小量訂單及各種客製委託，提供客戶迅速精實的即時服務。
- 完善的檢驗設備、細緻精準的SOP作業流程，完整掌控品質穩定性。



BRIEF INTRODUCTION OF CHENG CHANG

Cheng Chang Carbide Co., Ltd. is a professional Taiwan enterprise to manufacture the carbide product.

We started to launch into the industry of tungsten carbide since 1975, and deeply involved in the field of each industry, we impressed to understand the importance of quality of tungsten carbide to the manufacturing of industry, therefore, achieving excellence through multi-disciplinary research. In pursuit of superexcellent quality with unceasing improvement and innovation, we continually create more value for clients and exceeds their expectations so as to customize each kind of tungsten steel is the enterprise mission of Cheng Chang.

We established our production department for tungsten carbide in 1988 and introduced the foreign production technology and each item of new production equipment, and further to cooperate with academic and R&D unit to establish R&D department through professional alliance of industry-university cooperative research project.

Cheng Chang was composed of a team of high quality, younger and active members., not only is professional in R&D, but also makes much account of unique and multiple demand of each customer -without the best, but more than the best that is pursued from time to time by us to exceed the quality demand entrusted by customers.

THE ENTERPRISE FEATURE

- Professional in the field of tungsten carbide more than 40 years with abundant production experience.
- We possess material preparation ability, the strict entire quality control process starts from the material preparation until completion of product so as to satisfy the customization demand for diversified production conditions asked by each kind of industrial customers,
- We possess sound and flexible production ability with 24 hours operation mode to challenge small order and each kind of customized entrustment to provide customer fast and accurate instant service.

We possess well-prepared inspection equipment, delicate and accurate standard operation process (SOP) to control the quality stability completely.

PRODUCT DESCRIPTION 產品介紹

■ 100%台灣生產製造·持續研發創新材料·

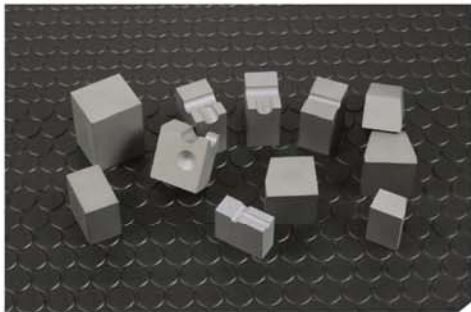


Screw Die&Nut Die

■ 鍛造模具用素材

螺絲模具和螺帽模具所需之鎢鋼材料·模具重點於需耐衝擊並耐磨損·選用材料之鈷量均為6%~30%·

The materials for Screw Dies and Nut Dies are focused on two features which are wear-resistant and impact resistant. The materials with 6% to 30% of cobalt would be suited to manufacture Screw Dies and Nut Dies.



Self Drilling Die

■ 鑽尾模具

應用於鑽尾螺絲成型時所需之模具材料·樣式則因應機械設備而有所差異·

Self Drilling Dies apply to mold forming for Self-drilling Screws, and the types of Self-drilling Dies would be different because of different machine equipment.



Super Hard Pre-Forms

■ 噴砂機噴嘴

因應噴砂時之噴砂材料與使用時間所需求之特殊高硬度材質·

The materials for choosed for sandblasting because they are with high hardness.

PRODUCT DESCRIPTION 產品介紹

■ 100%客製規格製作·滿足產業使用需求·

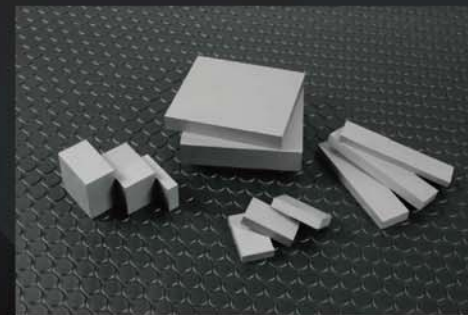


Rode

■ 圓棒

圓棒主要用於切削刀具·材料具較高硬度·鎢粉料顆粒均為超微粒·顆粒範圍於0.4-0.8 μ m·

Solid Rods are major in cutting tools; Solid Rods would be required with high hardness and the particle range of Solid Rods are between 0.4 to 0.8 μ m.



Blanks

■ 板塊

鎢鋼板塊主要應用於電子沖壓模具或異形模具生產所需之材料(均經HIP·CIP處理)·

Blanks are the material mostly to apply to electronic tools or nonstandards dies. (The process for manufacturing Blanks are needed HIP and CIP).



Customized Products

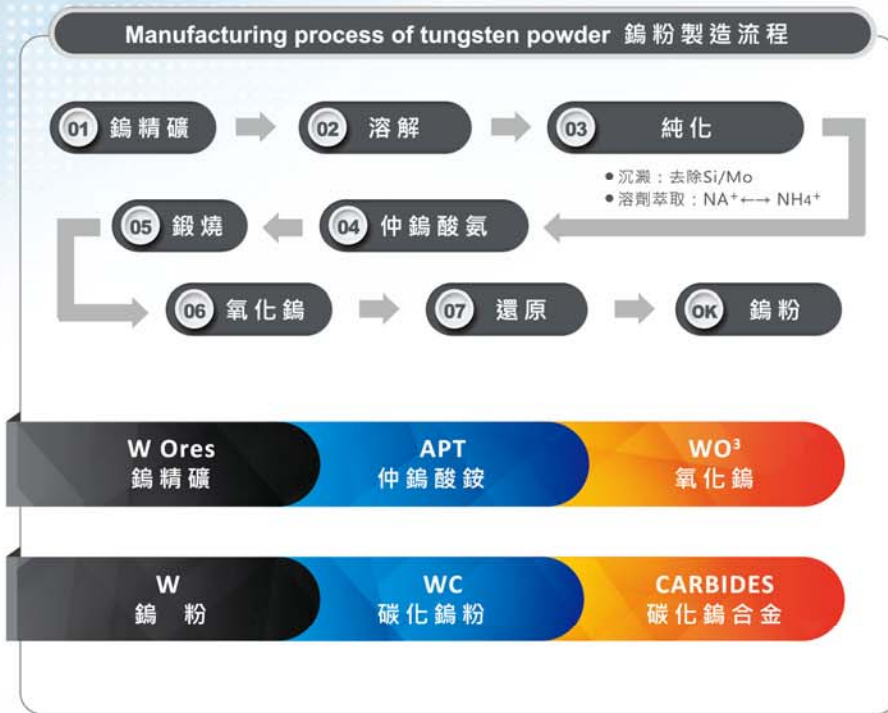
■ 客製化規格

依客戶需求而特製產品·生產規格最大外徑可達300mm·

According to customers' demands to manufacture products, and the standard of external diameter could up to 300mm.

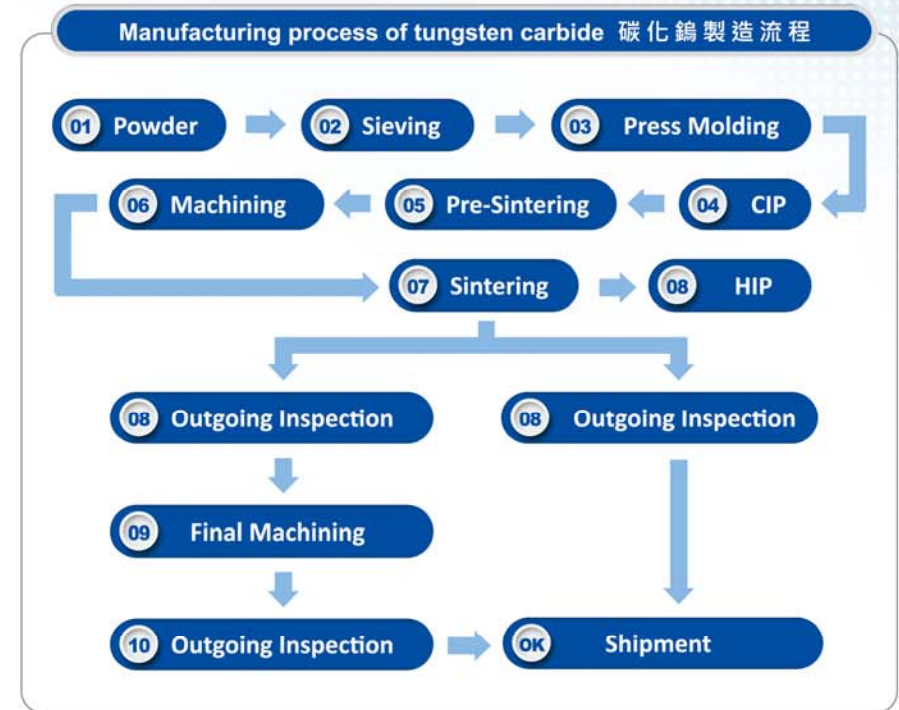
PRODUCTION PROCESS 生產流程(一)

■ 生產作業程序標準化、全面品質管理(TQM)制度、全製程檢驗品質控管(IPQC)。



PRODUCTION PROCESS 生產流程(二)

■ 生產作業程序標準化、全面品質管理(TQM)制度、全製程檢驗品質控管(IPQC)。



鎢粒顆粒
μm



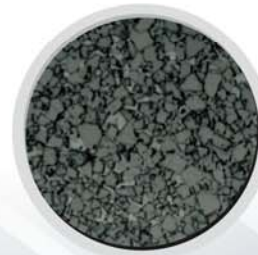
鎢粒顆粒介於
0.6-0.8 μm
適用於耐磨耗(超微粒)



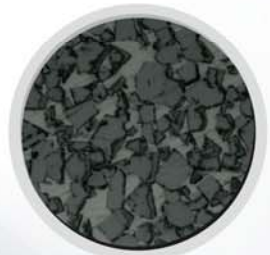
鎢粒顆粒介於
0.8-1 μm
適用於耐磨耗



鎢粒顆粒介於
2-3 μm
適用於耐磨耗



鎢粒顆粒介於
3-5 μm
適用於衝擊模具



鎢粒顆粒介於
6-15 μm
適用於重力衝擊模具

- 自動化精密生產設備 · 創造迅速確實生產效率 ·
- 無塵室空間生產管理 · 確保高穩定性產品品質 ·



原料配製球磨機器設備



原料配製攪拌機器設備



真空燒結爐設備



粉末成型機器設備

CCTC
CHENG CHANG CARBIDE

AUTOMATION
PRECISION
MANUFACTURING
EQUIPMENT

CLEAN ROOM
PRODUCTION
MANAGEMENT
STABLE



全自動CNC車床 / 銑床 機器設備



全自動CNC車床 / 銑床 機器設備

INSPECTION INSTRUMENT 檢驗設備

■ 具備完善的檢驗儀器與設施，落實嚴格的檢驗作業規範，品質第一永遠都是我們最大的堅持！



▶ 抗折力測試機



▶ 維氏硬度機



▶ 洛氏硬度機



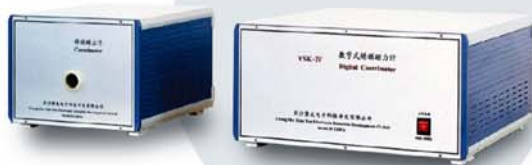
▶ 密度分析儀



▶ 金相顯微鏡



▶ 碳量分析儀



▶ 矯頑磁力機



▶ 鈷磁測量儀