

# WT-880 系列倒立式車铣複合機



| 項 目 Item  |   | WT-880                          | 備註欄 Note  |
|---|---|---------------------------------|---|
| 重要諸元<br>The important factor                              | X 軸 行程 X-axis travel  | 850 mm                          | 可依據產品需求設計<br>Can be designed according to<br>product requirements |
|   | Z 軸 行程 Z-axis travel  | 175 mm                          | 可依據產品需求設計<br>Can be designed according to<br>product requirements |
|   | 工件主軸鼻端至加工主軸距離<br>Distance from nose of workpiece<br>spindle to machining spindle  | 200                             | 可依據產品需求設計<br>Can be designed according to<br>product requirements |
| 主軸<br>Spindle   | 工件主軸鼻端規格<br>Specification of nose end of<br>workpiece spindle   | A2-6                            | 可依據產品需求設計<br>Can be designed according to<br>product requirements |
|   | 工件主軸馬達<br>Workpiece spindle motor   | 5 kW 選配 (Optional)              | 可依據產品需求設計<br>Can be designed according to<br>product requirements |
|   | 主軸轉速<br>Spindle speed   | 4500 rpm 選配 (Optional)          | 可依據產品需求設計<br>Can be designed according to<br>product requirements |
| X/Z 軸 進 給<br>X/Z axis feed                                | X 軸快速進給速率<br>X-axis fast feed rate  | 30m/min.                        |   |
|   | Z 軸快速進給速率<br>Z-axis fast feed rate  | 30m/min.                        |   |
| 刀塔型式<br>Knife tower type                                  | 伺服刀塔<br>Servo knife towe  | LS-120(4/8/12刀塔)<br>knife towe  | 可選配德制或台制<br>Optional German or Taiwanese                          |
|   | 動力伺服刀塔<br>Power servo knife tower   | 12支刀(knife)                     | 可選配德制或台制<br>Optional German or Taiwanese                          |
| 送料系統<br>Feeding system                                    | 不鏽鋼履帶式輸送機<br>Stainless steel crawler conveyor   | 左進右出<br>Right into the left out | 可依據產品需求設計<br>Can be designed according to<br>product requirements |
| 主軸夾具氣密檢出<br>Air tightness detection<br>of spindle fixture | 夾具內設計氣密檢出,可檢出當工件未定位貼平時、會檢出警報<br>The fixture is designed to detect air-tightness, which can detect the alarm when the workpiece is not positioned and pasted |                                 |   |
| 精 度<br>Fine degree  | 定位精度<br>Positioning accuracy  | 0.008 mm                        |   |
|   | 重現精度<br>Fidelity  | 0.005 mm                        |   |
| 一般規格<br>General specification                             | 控制器<br>Controller   | SIEMENS / FANUC                 | SYNTEC 選配(Optional)   |
|   | 總功率<br>Total power  | 18 KW                           |   |
|   | 氣壓需求<br>Air pressure requirements   | 6 kg/cm²                        |   |
|   | 機器重量<br>Weight  | 8,100 kg                        |   |
|   | 機械佔地面積(長 x 寬 x 高)<br>Machine floor area (L x W x H)   | 3,300 x 3,600 x 2,150 mm        |   |

※ 可依客戶不同產品需求設計。 Can be designed according to different product needs of customers.

<sup>※</sup> 以上規格如有變更,恕不另行通知。 Specifiations are subject to change without notice.





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## WT-880 倒立式車銑複合機

### WT-880 Inverted Vertical milling compound machine

WT 對於創新設計,並將不斷致力開發更多高端機器和 提供最佳服務,為客戶創造最佳利潤。

WT倒立式車转接合加工機、主軸端來且自動來取工件。 自動放取工具、夾具裝置自動氣密檢出、當工件沒有夾 入到位、會自動報警、智能加工技術和實現高精度、高可

WT 倒立式車铣複合加工機、主軸端夾具朝下、進行車、 铁加工時藏屑會往下排出、夾具不會纏留鐵屑、在自動 上下料來放工件時不會有鐵爾干擾、大大提升全自動化 高可靠性之表現。

WT for innovative design, and will continue to develop more high-end machines and provide the best service, to create the best profit for customers.

WT inverted turning and milling compound processing machine, will invested unimpart and mining compound processing inactives, spindle and future automatic clamping workpiece, automatic release and take tool, future device automatic air-tightness detection, when the workpiece is not clamped in place, automatic airm, intelligent processing technology and the realization of high precision, high reliability performance

WT inverted turning and milling compound processing machine, spindle end fixture face down, when the car, milling processing iron chips will be discharged downward, the fixture will not leave iron chips, in the automatic upper and lower material clip work pieces will not have iron chips interference, greatly enhance the full automation of high reliability performance.







WT-880 進料特額 Feed close-up



### **WT-880**

#### 高剛性結構 High rigidity structure

機器床体結構及所有鑄件結構皆經過 FEM 有限元素分析,具 有設計最佳化、結構等優點、確保整機最佳結構創性、床體鑄 造完成經趨高溫回火、租加工後在應力消除、確保整機最佳穩

The machine bed structure and all casting structures are subjected to FEM finite element analysis, which has the advantages of design optimization and structure, ensuring the best structural rigidity of the whole machine, and the completion of bed casting after high temperature tempering and rough machining. Overall stability.

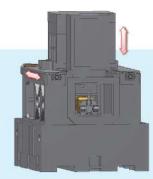
A X/Z乾福動倒立式主軸夾具結構設計。主軸可自動至上料 台抓起工件進入動力刀塔軸區進行車、铣等加工、實現全

[B] 床体整體一體鑄造結構大跨距立柱結構,即使高速位移頭部亦不晃動,提供縮佳的切削剛性。

The overall integrated casting structure of the bed body The large-span column structure not only shakes the head at high speed, even high speed displacement head is not shaking, providing excellent cutting rigidity.

[C] 立柱與滑台底座結合面等關鍵接觸面, 皆經過手工錢花程 序,以達成最佳的組裝精度、結構強度與均衡負載,底座採 用最佳跨距設計,提供優異的支撐剛性,確保最佳動態精度。

The key contact surfaces, such as the combination surface of the vertical column and the base of the sliding table, are all processed by manual spatula program to achieve the best assembly accuracy, structural strength and balanced load. The base adopts the best



span design to provide excellent support rigidity and ensure the best dynamic precision.

D X/Z軸標準配置高解析度德制海德漢全閉迴路光學尺·可 確保極勢的定位與重覆精度。

I/Z axis is equipped with a high-resolution German HEIDENHAIN fully closed loop optical scale to ensure ultimate positioning

E 採用高期性液柱型線性滑軌設計,兼具線軌的快速移動。 低磨耗與硬軌的重切削別性等特色。

Unear sliding rall design with high rigidity roller is adopted, which combines fast moving of rails, Low wear and hard rail features such as heavy cutting rigidity features.

F 各鞋螺桿之馬達座、軸承座、與底座採用鑄造設計,可確保 軸向系統之整體剛性。

The motor seat, bearing seat and base of each shaft screw are designed by casting to ensure the overall rigidity of the axial system.