



T-7T2SMY^{II}

車銑複合式車床(自動化線)

MULTI-TASKING / TURRET

CNC LATHE (WITH AUTOMATION)

機器特性

主軸、副主軸皆配置相同的 A2-6 高效率內藏主軸，即使加工較為細小的工件，也能達到所需的切削速度，確保工件表面光亮如鏡；在切削較大的工件時，低速和高扭矩模式可提供最大輸出，避免刀尖因切削速度過高而燒毀，減少不必要的成本支出。且 Y 軸行程為 ±50MM，可偏位加工同時也可以加快銑削平面的速度。

高精度內藏式主軸

- 高功率內藏式馬達驅動，運轉振動低，有良好的表面粗糙度與真圓度。
- 主軸最大扭矩達 292NM，可提供重切削加工。
- C 軸使用高解析磁環，可提供高精度之輪廓加工。
- 主軸精度補償技術：主軸熱變位誤差 < 0.02 MM。

高速化進給系統

- 滾柱型線性滑軌設計，兼具硬軌的重切削剛性與線性滑軌的快速移動特性，進給系統控制性能大幅提升。
- 雙主軸刀塔配置，提供彈性的加工模式，無論是雙系統間的支援加工、同期對接與同期平衡加工，可滿足各式複雜化工件需求。
- 軸向精度補償技術：X1/X2 軸向熱變位誤差 < 0.01 MM。

稼動率提升方案

- 加工異常警示技術：提供批量工件之異常加工量、刀具崩刀/斷刀、異常撞機之警示功能。

FEATURES

Both spindle and sub-spindle are installed with A2-6 built-in spindle, the high cutting speed makes the small workpiece surface like mirror. When cutting large workpieces low speed and high torque modes provide maximum output, avoiding tool edges broken to reduce unnecessary cost. Y-axis travel is ±50mm, so it is capable of offset machining. Meanwhile, it can accelerate the speed of surface machining.

High Accuracy of Built-In Motor Spindle

- Driven by high power Built-In motor, low vibration of rotation and good surface roughness and circularity.
- Max. spindle torque 292Nm to support heavy cutting.
- With high-resolution encoder of C-axis to support high accuracy of counter machining.
- Spindle Compensation : To make spindle heat transformation tolerance within 0.02mm.

High Speed Rapid

- Roller type linear way not only supplies heavy cutting rigid as box way but also with high rapid moving as a linear way to enhance the federate better.
- With twin spindle and turret configuration, it supplies the flexible machining pattern, like processing support between dual system, the connection and parallel simultaneous processing and satisfies all complicated workpiece needs.
- Axis Compensation : To make X1/X2 Axis heat transformation tolerance within 0.01mm.

Utilization Upgrade Function

- Enhance Abnormal Alarm Technology : To supply the additional alarm function like abnormal machining processing, tool damaged/broken, and collision alarm during plenty of workpiece running.

項目 MODEL	單位 UNIT	T-7T2SMY
工作範圍 CAPACITY		
最大旋徑 Max. Swing	mm	790
最大加工直徑 Max. Turning Diameter	mm	300
最大加工長度 Max. Turning Length	mm	770
棒材最大徑 Bar Capacity	mm	52
行程 TRAVEL		
X1 軸行程 X1-Axis Travel	mm	235+15
X2 軸行程 X2-Axis Travel	mm	220+10
Y 軸行程 Y-Axis Travel	mm	±50
Z1 軸行程 Z1-Axis Travel	mm	770
Z2 軸行程 Z2-Axis Travel	mm	790
B 軸行程 B-Axis Travel	mm	770

項目 MODEL	單位 UNIT	T-7T2SMY
主軸 / 副主軸 SPINDLE (MAIN/SUB)		
主軸/副主軸轉速 Spindle Speed	rpm	4500
主軸/副主軸鼻端 Spindle Nose		A2-6
夾頭尺寸 Chuck Size	inch	8
進給率 FEED RATE		
X 軸快速位移 X-Axis Rapid Traverse	m/min	30
Y 軸快速位移 Y-Axis Rapid Traverse	m/min	10
Z 軸快速位移 Z-Axis Rapid Traverse	m/min	38
B 軸快速位移 B-Axis Rapid Traverse	m/min	30
刀塔 TURRET		
刀座數量 Tool Storage Capacity		16T x 2