



TM-1700

多功能車銑複合機

MULTI-TASKING MACHINE

機器特性

多功能車銑複合機，可做五軸同動加工、鑽、銑、斜孔、曲面、車削以及自我量測補正。B軸內建離合齒，咬合最大扭力為3000NM，可配合重切削加工。電主軸轉速為12000RPM，最大扭力為100NM，難削材也無所畏懼。Y軸為正交型全動柱式架構，Y軸行程 ± 130 MM，加工區域可達到極致的效果，不留死角。

FEATURES

TM Series is a Multi-Task machine that is capable of machining, drilling, and milling inclined holes, and curved surface or lathe processing. With curvic couplings in B Axis, it can not only achieve heavy cutting and machining but also, the max. occlusion torque is 3000Nm. The Electro spindle has 12000 RPM and max. torque is 62.1Nm. It is suitable for rough and finished machining. With a Y-orthogonal column moving structure, the processing can achieve the ultimate performance (Y-axis travel ± 130 mm).

項目 MODEL	單位 UNIT	TM-1700
工作範圍 CAPACITY		
最大旋徑 Max. Swing	mm	750
最大加工直徑 Max. Turning Diameter	mm	670
最大加工長度 Max. Turning Length	mm	1700
棒材最大徑 Bar Capacity	mm	78
行程 TRAVEL		
X 軸行程 X-Axis Travel	mm	600+50
Y 軸行程 Y-Axis Travel	mm	± 130
Z1 軸行程 Z1-Axis Travel	mm	1750
Z2 軸行程 Z2-Axis Travel	mm	1725
主軸 (夾頭) SPINDLE (CHUCK)		
主軸轉速 Spindle Speed	rpm	3500
主軸鼻端 Spindle Nose		A2-8
夾頭尺寸 Chuck Size	inch	10
主軸 (電子) SPINDLE (ELECTRONIC)		
主軸轉速 Spindle Speed	rpm	12000
主軸鼻端 Spindle Nose		Capto C6/HSK-T63
B 軸 B-AXIS		
角度行程 Angular Stroke	mm	$240^{\circ}(-30^{\circ} \sim +210^{\circ})$
進給率 FEED RATE		
X/Y/Z1/Z2 軸 快速位移	m/min	30/24/30/30
X/Y/Z1/Z2-Axis Rapid Traverse		
刀塔 TURRET		
刀柄型式 Tool Shank		Capto C6/HSK-T63
刀座數量 Tool Storage Capacity		40T



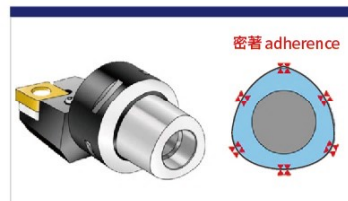
B 軸 使用無背隙滾子凸輪驅動，最大扭力可達 970Nm，可減少背隙，傳動效率極高。

B-Axis Driven by a roller cam, it can reach torque to 970Nm, with less backlash and enhanced efficiency.



Y 軸正交型全動柱式架構
Y-Orthogonal Column Moving Structure

加工無死角。
Machining all around



刀具 Tools

刀具使用 CAPTO C6，兩面拘束+三角錐，能均勻受力，具備極高的穩定性。

Tools use CAPTO C6 which has both-side restraints and a triangle cone that is capable of balancing force to reach high stability.



應用 Apply

加工重型/長型/厚型等大型工件。
Machining heavy/long/thick large workpieces.