

行程 TRAVEL		
X軸行程	Longitudinal travel (X)	3000 mm
Y軸行程	Cross Travel (Y)	300 mm
Z軸行程(直立/橫向)	Vertical Travel (Z) Travel	500mm (Vertical) / 220mm (Horizontal)
C軸行程	C-axis Travel	0.001-360 degree
B軸搖擺角度	B-axis (Tilting range)	+ 90 / - 30 degree
主軸鼻端至夾頭中心	Spindle nose to chuck center	300 mm
主軸中心至立柱	Spindle center to column	+50 to -400 mm
主軸 SPINDLE		
主軸錐度	Spindle Taper	BT-40
主軸轉速	Spindle Speed	8000 rpm
主軸馬達	Spindle motors	11 / 15 / 22 kw
主軸最大扭力	Spindle motors Max. Torque	83 Nm
X/Y/Z/C 軸伺服馬達	X/Y/Z/C axis servo motor	4.0 / 4.0 / 6.0 / 3.0 kw
工件直徑 DIAMETER		
切削直徑	Cutting diameter	50-300 mm
切削長度	Cutting length	500-3000 mm
C軸 C-AXIS		
夾頭尺寸	C axis chuck size	12" (A2-8) inch
C軸主軸通孔徑	Hole Through C-axis spindle	70 mm
C軸快速位移	C axis rapid traverse	6 m/min
進給速率 FEEDRATE		
X/Y/Z 軸快速位移 (X軸螺桿驅動)	Rapid traverse (X/Y/Z) X-Axis driven by Ballscrew	15/20/20 m/min
X/Y/Z 軸快速位移 (排齒傳動機構驅動)	Rapid traverse (X/Y/Z) X-Axis driven by Gear Rack	24/20/20 m/min
X/Y/Z/C軸進給速率	Cutting Feed rate (X/Y/Z/C)	1~6000 mm/min
刀庫 MAGAZINE CAPACITY		
刀具選擇模式	Tool Selection	Bidirectional random type, shortest path
刀具數(刀臂式)	ATC No. of Tools	24
相鄰刀最大直徑	Adjacent pockets Max. Tool diameter	Ø75 mm
最大刀具直徑	Max. Tool diameter	100 mm
最大刀具荷重	Max. Tool weight	7 kg
最大刀具長度	Max. Tool length	250 mm
尾座 TAIL STOCK		
尾座心軸行程	Tailstock mandrel travel	120 mm
尾座心軸直徑	Tailstock mandrel diameter	Ø110 mm
尾座心軸錐度	Tailstock Spindle Taper	MT#5
尾座行程	Tailstock travel	2900 mm
兩頂心距離	Distance between center	3900 mm
泵浦 PUMP		
油壓泵浦	Hydraulic Pump	3 HP
潤滑油泵浦	Lubrication pump	0.02 kw
機台占地面積 MACHINE MEASUREMENT		
機台高度	Height (Approx.)	3400 mm
機台長度	Length (Approx.)	7700 mm
機台寬度	Width (Approx.)	3470 mm
機台重量	Machine Weight (Approx.)	17800 kg



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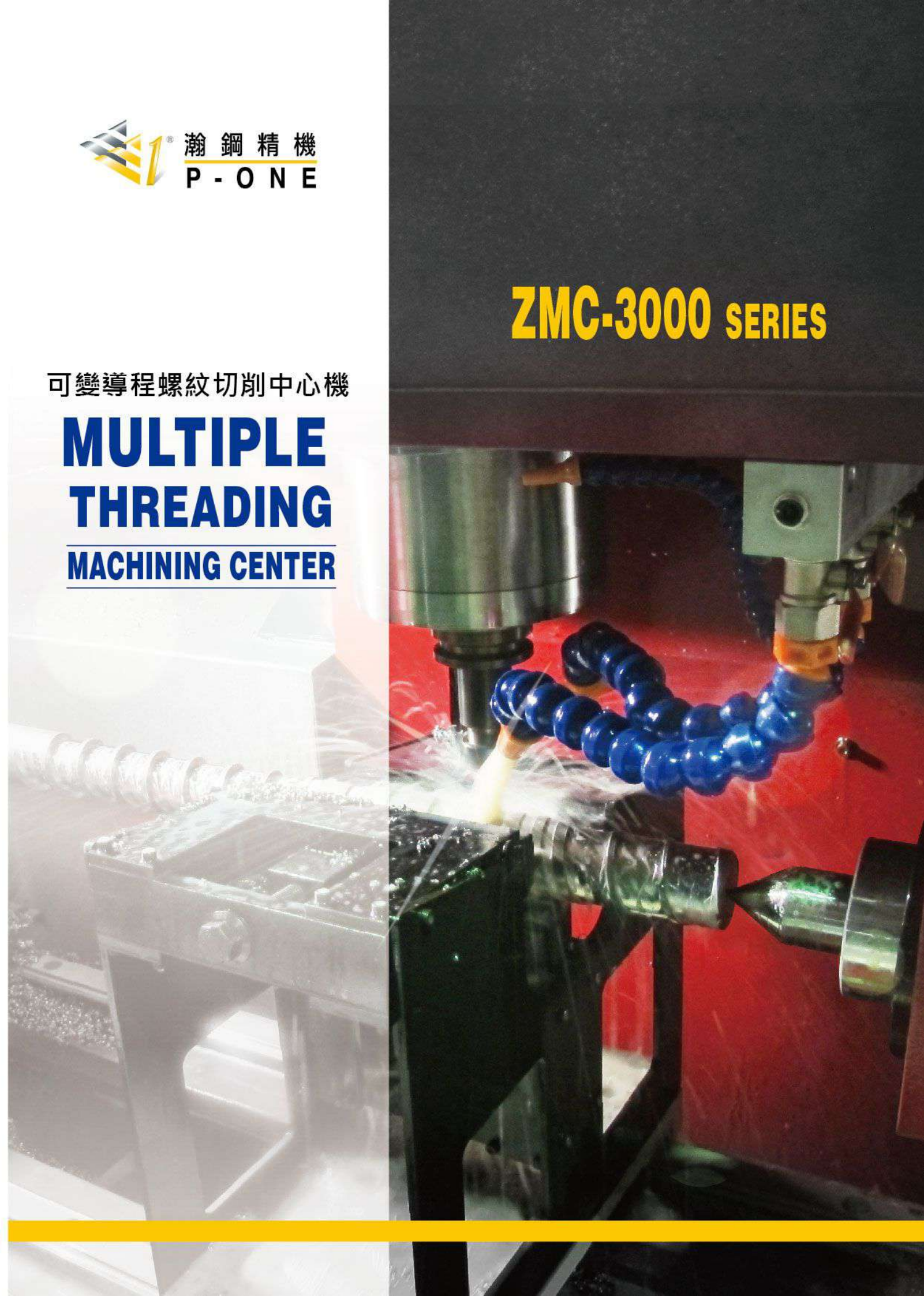
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ZMC-3000 SERIES

可變導程螺紋切削中心機

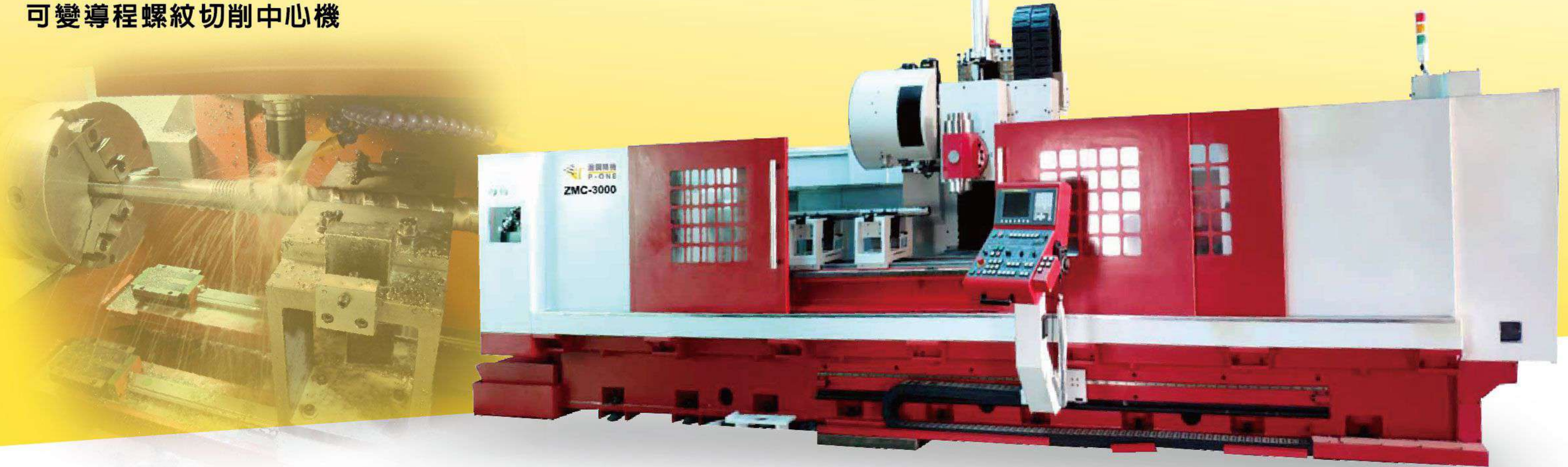
**MULTIPLE
THREADING
MACHINING CENTER**



ZMC-3000

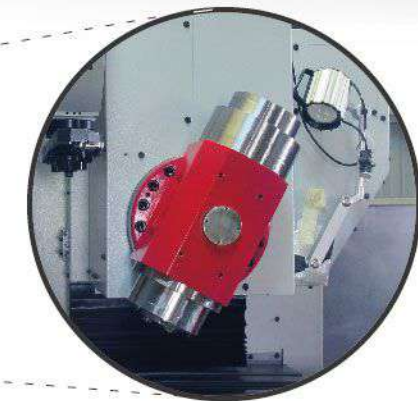
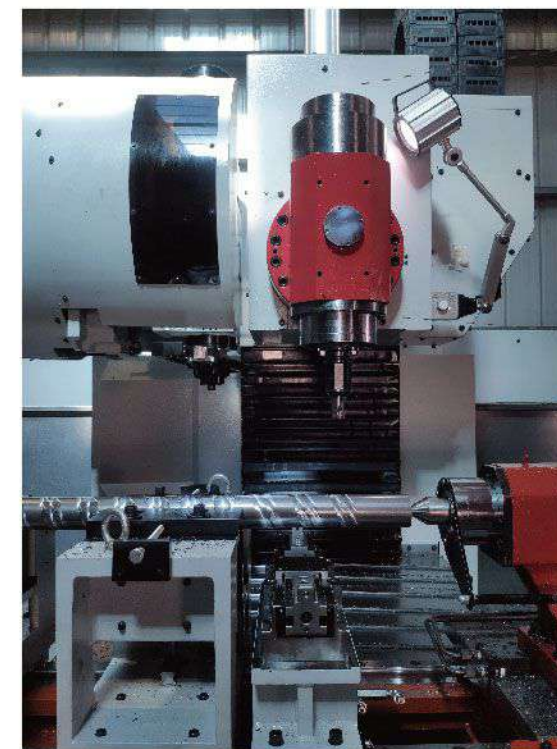
Multiple Threading Machining Center

可變導程螺紋切削中心機



1. 一機多功能，適用各種類螺桿、栓槽軸加工，特別針對射出機送料多導程螺桿。
2. 雙導程螺桿一次加工完成，確保最佳導程精度。
3. 加工的牙紋斜度，搭配功能性的中心架，取得斜度夾持工具。
4. 搭配PLC控制器與人性化觸控螢幕操作介面，使機器操作更簡易。
5. 中心架、棒材上下料方便性，只需一次工件夾持，即可完成各種螺桿加工，確保螺桿精度、縮短工時、大幅提升加工效率。
6. 手動尾座穩重。

1. Multi-function machine applicable to various processing needs such as screw and spline shaft processing, specially designed for injection machines.
2. Complete complex dual lead screw processing at one time to ensure optimum accuracy.
3. Multi-function steady rest offers various thread processing.
4. PLC controller tie-ins touch screen for easier operation.
5. The design makes loading and unloading more efficient. It is applicable to various processing of screw when work piece clamping at a time. To improve the accuracy of screws and raise the processing efficiency of machining and hours-shorten
6. Manual rigid tailstock offers heavy-duty support.



B軸設計

B軸後端裝有角度編碼器以提升B軸定位精度。B軸採用馬達直接驅動有助於提升整體精度及機台之加工效率。

B axes design

The rear end of the B axes is equipped with an angle encoder to improve the positioning accuracy of the B axes. The direct drive of the motor in the B axes helps to uprate the overall accuracy and processing efficiency of the machine.