

【壹】小型加工機-操作.....使用控制軟體：mach2 英文版軟體畫面介紹

註：鍵盤的方向鍵，←→表示 X 軸方向 ↑↓表示 Y 軸方向
 鍵盤的 pageUp 鍵、pageDown 鍵，表示 Z 軸方上、下方向

The screenshot shows the Mach2 CNC Control Program interface. At the top, the title bar reads 'Mach2 CNC Control Program, ArtSoft Corporation, 2000 - 2004'. The menu bar includes 'File', 'Config', 'View', ' Wizards', 'Operator', and 'Help'. The main window is divided into several sections:

- Top Panel:** Contains menu options like 'Edit', 'Close File', 'Reload', 'Recent', 'New', 'Mill->G15', 'G80 G17 G40 G21 G90 G9', '座標值', 'G99 G61'. Below this are buttons for 'Cycle Start Alt-R', 'Stop Alt-S', 'Rewind Ctrl-W', 'Single BLK Alt-N', 'Pause (spc)', 'MultiPass', 'CV Mode', 'Dwell', 'Z Inhibit', 'Lower Z Inhibit by +0.0000 on each pass', 'Eliapsed 00:00:00', 'Mist Ctrl-M', 'Flood Ctrl-F', 'Block Delete', 'M1 Optional Stop', 'End', 'Regenerate Toolpath', 'Jog Follow', 'Display Mode', 'Machine Coord's', 'Soft Limits', 'Jog Mode Ctrl-J', 'Jog ON/OFF Ctrl-Alt-J', 'Cycle Jog Step - Alt J', '0.1000 Step', 'Jog Mode Ctrl-J', 'Cont: 連續 Step: 步進', 'Slow Jog Rate', 'Dn [100.0 % Up]', 'Shift Jog to Override Jog Mode', 'Units/Min 0.00', 'Units/Rev 0.00', 'FRO 6.00', 'F10 100% F11 +', 'Reset', 'RPM 0', 'Spindle CW FS', 'S -', 'S +', 'Reset', 'NTM'.
- Coordinate Display:** Shows X, Y, Z coordinates with values like +0.0000 and +0.0000. A label '程式呼叫載入區' points to the top of this area.
- Tool Information:** Shows 'Tool Change' with 'D +0.0000' and 'H +0.0000'. A label '顯示刀補資訊' points to this area.
- Control Buttons:** Includes 'Cycle Start Alt-R', 'Stop Alt-S', 'Rewind Ctrl-W', 'Single BLK Alt-N', 'Pause (spc)', 'MultiPass', 'CV Mode', 'Dwell', 'Z Inhibit', 'Lower Z Inhibit by +0.0000 on each pass', 'Eliapsed 00:00:00', 'Mist Ctrl-M', 'Flood Ctrl-F', 'Block Delete', 'M1 Optional Stop', 'End', 'Regenerate Toolpath', 'Jog Follow', 'Display Mode', 'Machine Coord's', 'Soft Limits', 'Jog Mode Ctrl-J', 'Jog ON/OFF Ctrl-Alt-J', 'Cycle Jog Step - Alt J', '0.1000 Step', 'Jog Mode Ctrl-J', 'Cont: 連續 Step: 步進', 'Slow Jog Rate', 'Dn [100.0 % Up]', 'Shift Jog to Override Jog Mode', 'Units/Min 0.00', 'Units/Rev 0.00', 'FRO 6.00', 'F10 100% F11 +', 'Reset', 'RPM 0', 'Spindle CW FS', 'S -', 'S +', 'Reset', 'NTM'. Labels include '循環執行', '停止', '單節執行', '暫停', '下一執行..行號', '機械原點歸零', '機械座標(紅色閃爍) 程式座標(不閃爍)', '實際進給速率', '指定進給速率(mm/分)', '進給率 增%、減%', '手動移動 On/Off', '每步移動量 (Step才有效)', '寸動模式 切換鈕 Cont: 連續 Step: 步進', '搭配電子手 輪動作顯示', '森禾的 cnc, 主軸是獨立控制, 若主軸要可控制, 則須再加主軸控制 電路板'.
- Bottom Panel:** Includes 'Goto Tool Change', 'Goto Safe-Z Ctrl-Z', 'Set Next Line Line: 0', 'Run From Here', 'Ret All - Home', 'GotoZ Ctrl-O', 'Offline', 'Machine Coord's', 'Soft Limits', 'Jog Mode Ctrl-J', 'Jog ON/OFF Ctrl-Alt-J', 'Cycle Jog Step - Alt J', '0.1000 Step', 'Jog Mode Ctrl-J', 'Cont: 連續 Step: 步進', 'Slow Jog Rate', 'Dn [100.0 % Up]', 'Shift Jog to Override Jog Mode', 'Units/Min 0.00', 'Units/Rev 0.00', 'FRO 6.00', 'F10 100% F11 +', 'Reset', 'RPM 0', 'Spindle CW FS', 'S -', 'S +', 'Reset', 'NTM'. Labels include '程式重頭開始, 回到第一行', '顯示刀補資訊', '循環執行', '停止', '單節執行', '暫停', '下一執行..行號', '機械原點歸零', '機械座標(紅色閃爍) 程式座標(不閃爍)', '實際進給速率', '指定進給速率(mm/分)', '進給率 增%、減%', '手動移動 On/Off', '每步移動量 (Step才有效)', '寸動模式 切換鈕 Cont: 連續 Step: 步進', '搭配電子手 輪動作顯示', '森禾的 cnc, 主軸是獨立控制, 若主軸要可控制, 則須再加主軸控制 電路板'.
- Left Panel:** Includes 'RESET', '置置、取消', 'History', 'Clear', 'Program Run Alt-1', 'MDI Alt2', 'Manual Alt3', 'ToolPath Alt4', 'Offsets Alt5', 'Settings Alt6', 'Diagnostics Alt-7', 'Simplify Screen', 'G-Codes', 'M-Codes', 'MEM 程式執行模式(預設)', 'MDI 手動編輯 執行 模式'.
- Right Panel:** Includes 'Scale +1.0000 Zero X', 'Scale +1.0000 Zero Y', 'Scale +1.0000 Zero Z', 'Radius Correction Zero A'.