

# 3 AXIS

# CNC SLOTTING MACHINE

## CNC 精密插床

**X,Y AXIS AUTO FEEDING & AUTO DIVIDING**

X,Y 軸自動進給+C軸圓盤自動分度 ●●●●



**CNC-300**



**CNC-350**



**CNC-200**

### ● Features 特性：

1. X , Y Axis & Ram slide way hardened and precision ground.  
X,Y 軸及衝頭滑道面均經硬化處理及精密研磨。
2. Head can swivel  $\pm 30^\circ$  for slotting taper keyway.  
鉋頭可左右旋轉  $30^\circ$ ，方便插斜鍵槽。
3. Use AC-servo motor with high precision C3 ball screw for feeding purpose, best cutting accuracy and long life.  
採用C3級精密滾珠螺桿及AC伺服馬達進給，精度高，壽命長。
4. Program include auto tool relief function for best slotting surface and prolonging tool's life.  
設有程式工作台自動退刀裝置，確保插刀常保鋒利。
5. Built-in automatic lubrication system to prevent wear.  
本機設有自動潤滑給油裝置，以確保機械壽命。

## ● CNC Controller CNC 控制器

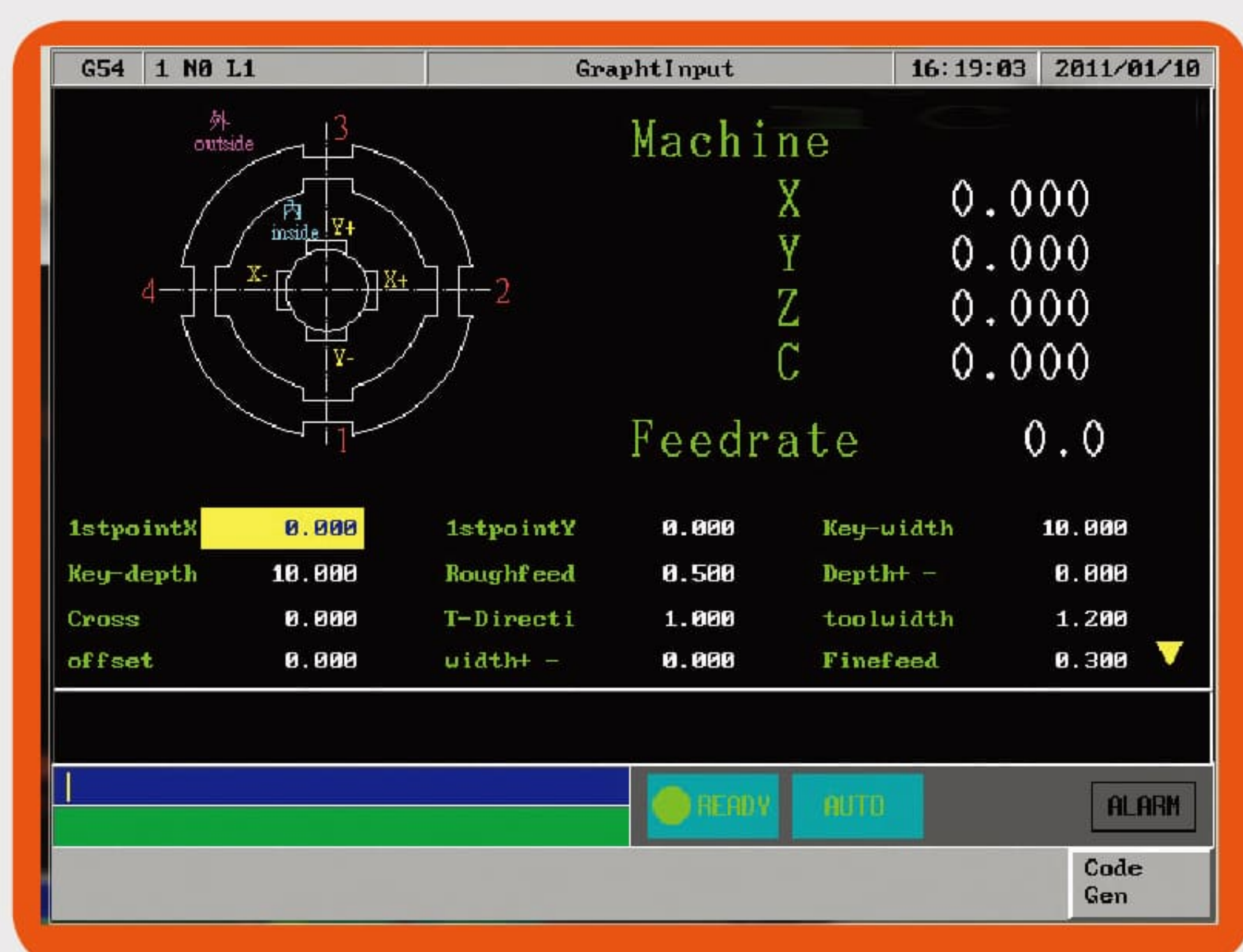


### ● Specification 規格:

1. SYNTEC (WIN-CE) controller.  
新代 (WIN-CE) CNC 控制器
2. 10.4" TFT-LCD colorful monitor.  
10.4 吋 TFT-LCD 彩色銀幕
3. Built-in program 16MB memory volume.  
內建 16MB 程式記憶
4. Standard USB Interface.  
標準USB介面

### ● Features 特性:

1. SYNTEC (WIN-CE) CNC control system, high compatibility and good stability.  
新代 (WIN-CE) CNC 控制器、功能強、穩定性高、親和性佳。
2. Complete with standard international G.M code and friendly conversation program edit function.  
具備標準 G/M Code 功能及強大的對話式程式編輯功能，簡單好學。
3. Can maintain the control system or update the system software through the internet.  
可透過網路系統作系統檢測及程式更新。
4. Complete with ladder and I/O diagnosis function, and modularized electric circuit system, easy to maintain.  
模組化配電系統及完善的 Ladder 與 I/O 診斷功能，維修容易。
5. With MPG simulation function to help operator to test run the program avoiding crash accident.  
可用手搖輪邊轉邊做模擬功能作程式測試，免除撞車疑慮。
6. Adopt USB and CF memory card interface with high stability and anti-shock.  
採用 USB 及 CF 卡作程式儲存介面，穩定、耐震度高。
7. Standard languages are Chinese and English, other languages can be developed on request.  
標準中文、英文二種語言供使用者選擇，其他語言可配合開發。



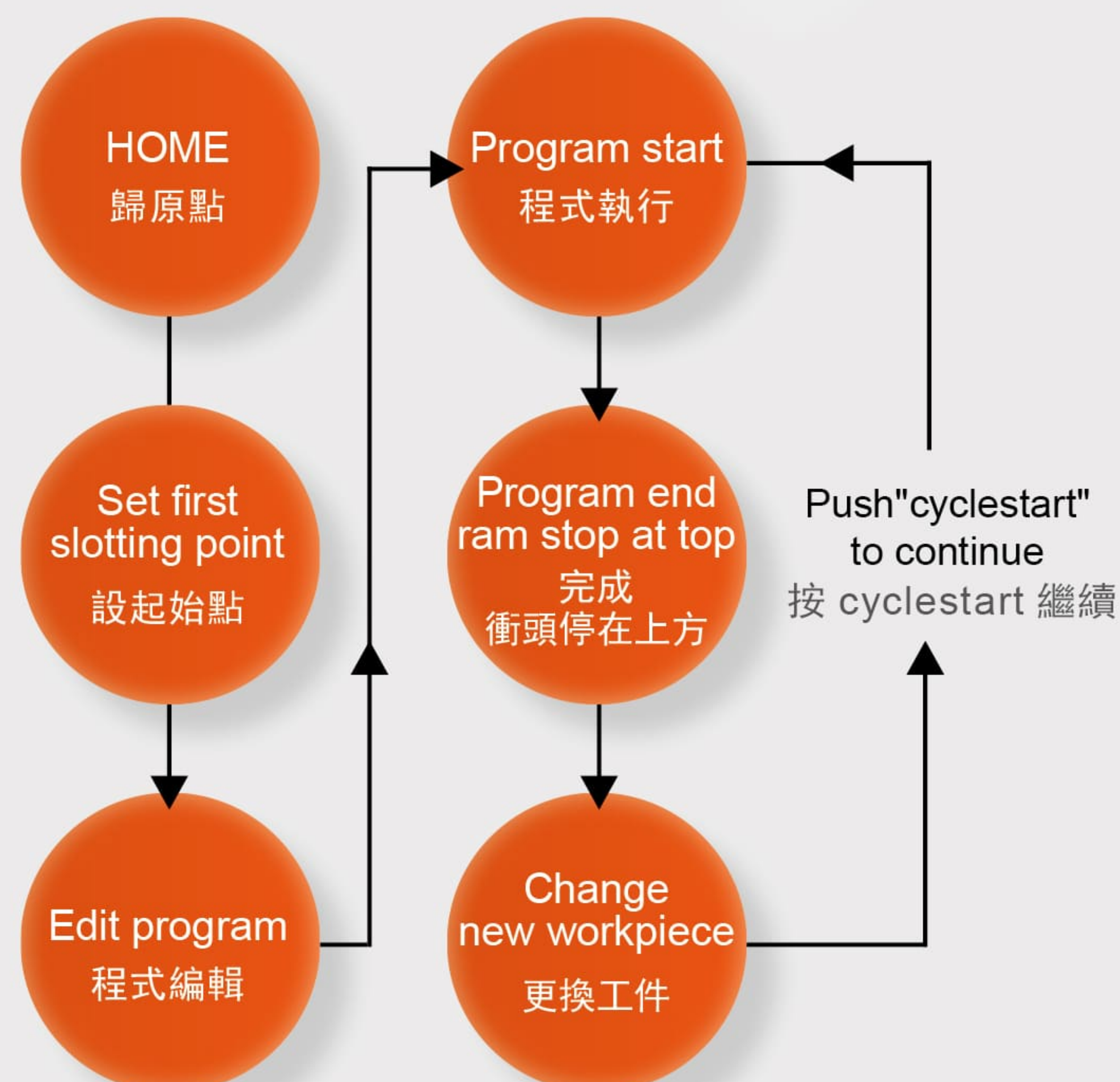
### ● Conversation program edit, easy to learn 對話式程式編輯，簡單好學

Special design conversational program edit function. Operator just needs to input data into dialog box, then press Auto program generation key, the processing program can be created automatically.

特殊對話式程式編輯功能，使用者只需輸入各項尺寸，再按程式自動產生鍵即可產生所需程式，簡單、方便。

### ● Operation Process Flowchart

操作流程示意圖



| <div> <div> SPECIFICATION (MECHANISM) 機械規格表 </div> <div>單位: UNIT MM (INCH)</div> </div> |         |                                  |                                  |                                  |
|-----------------------------------------------------------------------------------------|---------|----------------------------------|----------------------------------|----------------------------------|
| ITEM項目                                                                                  | MODEL型式 | CNC-200                          | CNC-300                          | CNC-350                          |
| Max. travel of the ram (stroke)<br>衝程                                                   |         | 200 (8")                         | 300 (12")                        | 350 (14")                        |
| Max. adjusting distance of ram position<br>鉋頭位置垂直調整距離                                   |         | 220 (8.5")                       | 320 (12.5")                      | 320 (12.5")                      |
| No. of stroke per minute (60HZ) spm.<br>速度 (次/分, 60HZ)                                  |         | L: 26-31-36-46<br>H: 53-62-73-93 | L: 26-31-36-46<br>H: 53-62-73-93 | L: 26-31-36-46<br>H: 53-62-73-93 |
| No. of stroke per minute (50HZ) spm.<br>速度 (次/分, 50HZ)                                  |         | L: 26-31-36-46<br>H: 53-62-73-93 | L: 22-26-31-39<br>H: 44-52-61-78 | L: 22-26-31-39<br>H: 44-52-61-78 |
| Swivel angle of head<br>鉋頭旋轉角度                                                          |         | ±30°                             | ±30°                             | ±30°                             |
| Distance between end of ram guideway and work table<br>鉋頭導路下端至工作台距離(A)                  |         | 300 (12")                        | 365 (14")                        | 470 (18.5")                      |
| Distance between tooling center and column surface<br>刀桿中心至機身面距離(喉深)(B)                 |         | 355 (14")                        | 510 (20")                        | 560 (22")                        |
| Diameter of working table<br>工作台直徑                                                      |         | Ø400 (Ø16")                      | Ø560 (Ø22")                      | Ø560 (Ø22")                      |
| Bore of Rotary table<br>工作台中心孔徑                                                         |         | —                                | Ø75<br>Ø105(Opt.)                | Ø75<br>Ø105(Opt.)                |
| Longitudinal travel of working table<br>工作台左右移動距離(X)                                    |         | 250 (10")                        | 432 (17")                        | 432 (17")                        |
| Cross travel of working table<br>前後移動距離(Y)                                              |         | 250 (10")                        | 432 (17")                        | 432 (17")                        |
| Main spindle motor (2 speeds brake motor)<br>主軸馬達(2速煞車馬達)                               |         | 2HP 6P/12P                       | 5HP 4P/8P                        | 5HP 4P/8P                        |
| Packing dimension<br>包裝尺寸                                                               |         | 1640x1370x1820 (65"x54"x72")     | 2000x1400x2030 (79"x55"x80")     | 2000x1400x2220 (79"x55"x87")     |
| Net/Gross wight<br>淨/毛 重                                                                |         | 900/1000KGS                      | 1700/1800KGS                     | 1800/1900KGS                     |

| <div> <div> SPECIFICATIONS (CNC CONTROL UNIT) CNC 控制單元規格表 </div> </div> |         |                                           |                                          |                                          |
|-------------------------------------------------------------------------|---------|-------------------------------------------|------------------------------------------|------------------------------------------|
| ITEM 項目                                                                 | MODEL形式 | CNC-200                                   | CNC-300                                  | CNC-350                                  |
| Cutting feed rate of working table<br>工作台切削速度                           |         | 0.0005"-0.02"/stroke<br>0.01-0.5mm/stroke | 0.005"-0.02"/stroke<br>0.01-0.5mm/stroke | 0.005"-0.02"/stroke<br>0.01-0.5mm/stroke |
| X,Y Axis rapid traverse<br>X,Y 軸快速移動速度                                  |         | 10 m/min                                  | 10 m/min                                 | 10 m/min                                 |
| Mini indexing unit (degree)<br>最小分割角度                                   |         | 0.001° (Auto)                             | 0.001° (Auto)                            | 0.001° (Auto)                            |
| X Axis servo motor (Watt / Torque)<br>X 軸伺服馬達                           |         | 1kw / 3.18NM                              | 850w / 5.39NM                            | 1.3kw / 8.34NM                           |
| Y Axis servo motor (Watt / Torque)<br>Y 軸伺服馬達                           |         | 1kw / 3.18NM                              | 850w / 5.39NM                            | 1.3kw / 8.34NM                           |
| Rotary axis servo motor<br>旋轉軸伺服馬達                                      |         | 0.75Kw                                    | 2kw                                      | 2kw                                      |

※ All specifications and designs are subject to change without notice. 本公司對產品不斷研究改良，上述規格及設計如有變更，恕不另行通知。

Standard Accessories
標準配件:

- X,Y axis C3 ballscrews X,Y 軸 C3 滾珠螺桿
- X,Y axis slideway covers X,Y 軸 防塵護套
- Coolant system with tank & tray. [Suit for CNC-300/CNC-350]  
冷卻系統 僅適用CNC-300/CNC-350
- Centralized automatic lubrication system 自動注油系統
- MPG Handwheel 手搖輪
- Halogen work light 石英工作燈
- Alarm light 3色警示燈
- Adjusting tools & box 工具箱
- Programmable auto tool backing off 程式自動退刀

Optional Accessories
選用配件:

- Square Tool Clamping Fixture  
方型刀具固定座
- Transformer (except for 220V)  
變壓器 (220V除外)
- Slotting bar 刀桿
- 3 jaws scroll chuck 三爪夾頭
- Clamping kits set 夾持套
- CE standard 歐規 CE電器