

鑫禾興業有限公司

GOLDEN-HOPE ENTERPRISE CO., LTD.



台中市 401 自由路四段 323 號 4F

4F #323, Sec. 4, Tsu-Yu Road, Taichung City 401, Taiwan

TEL: 886-4-22132796 FAX: 886-4-22130958

E-mail: covina.gl234@msa.hinet.net

[HTTP://:WWW.GOLDENHOPE.COM.TW](http://www.goldenhope.com.tw)

多功能液晶顯示主軸尺性能與安裝操作說明書

Performance of multi-function LCD display spindle scale operating instructions and installation

本說明書用於 C6720N6 第六代改進多機能豎式液晶顯示主軸尺用

The manual for the improvement of the sixth generation of multi-function C6720N6 vertical axis scale with LCD display

1. 性能：Performance

1-1. 測距：全行程 0-1000mm 通用 Measuring distance: 0-1000mm general the whole trip

1-2. 器差： $\pm(0.02+0.00005 \times L)$ mm Control difference: $\pm(0.02 + 0.00005 \times L)$ mm

1-3. 精度讀值：0.01mm/0.001" Accuracy of reading: 0.01mm/0.001 "

1-4. 範圍： $\pm 999.99\text{mm}/39.369"$ (讀值至小數點後兩位)
Range: $\pm 999.99\text{mm}/39.369"$ (reading to two decimal places)

1-5. 最高動速：1 M / Sec • The maximum moving speed: 1 M / Sec.

1-6. 輸出：可外接處理器及顯示器及開關鍵。(使用特別附建之開關鍵可在一般顯示切換至高速顯示作切換使用)

Output: can connect the processor and the display and open the key. (to use a special key to open with construction of the display in the general switch to switch to high-speed display for use)

1-7. 電源：採用水銀電池 SR44 1.55V X 1EA

工作時數 2000HR 以上，一般使用約 1 年。

(顯示幕數字閃爍時，提醒更換新電池，沒電後螢幕不顯示)

Power: The mercury batteries SR44 1.55VX 1EA

2000HR more hours of work, generally using about 1 year.

(digital display flashes to remind replaced with new batteries, no electricity after which the screen is not displayed)

1-8. 工作環境：一般環境 5 - 40℃ . 相對溼度 80% 以下 .

Working environment: the general environment 5 - 40 °C.
relative humidity below 80%.

2. 操作：Operation

2-1. ON / OFF 鍵：ON 開 OFF 關 ON / OFF button

2-2. in/mm 鍵：公英制互換 Inch/mm system interchange

(本機常態公制顯示封閉英制切換) Local normal metric, inch display closed switch)

2-3. Mode 鍵：INC/ABS 相對值與絕對值互換鍵，亦可作歸零鍵與累計值鍵。

Absolute value of the relative value of key exchange can also be zero key and the cumulative value of the key

(本機常態封閉此鍵) Local normal closure of this key

2-4. ZERO/SET 鍵：又叫起點設置歸零鍵。

Also known as the starting point set the zero key.

2-5. PRESET 鍵：又叫起點設置數值鍵，需先按住 ZERO 鍵+ PRESET 操作+/-。

Also known as a starting point to set numerical keys, you must first press and hold the ZERO key + PRESET operation + / - . °

(本機常態封閉此鍵) Local normal closure of this key .

2-6. 電池 蓋：更換電池依箭頭方向以臺圓或五元硬幣順時針方向旋至 1 點鐘方位可開啟. 缺口在 11 點鐘方位為關閉

Battery Cover: Replacement Battery circular direction of the arrow to Taiwan, or five-dollar coin clockwise to turn to 1 o'clock positions. the gap is closed at 11 o'clock positions

2-7. 外 接 開 關：裝在尺體顯示座右側，可在一般省電顯示和快速顯示間作切換，一旦進入快速顯示，部分按鍵功能將被關閉。

例如：歸零 ZERO/SET 鍵，將無法操作，欲歸零需轉切至一般顯示。

External Switch: mounted on the Block on the right scale crystal display can be displayed in the general power and fast switching display intercropping, once into the fast show, part of the key functions will be closed.

For example: zero ZERO / SET button will not work, want to cut to zero to turn to the general display.

3. 注意事項：Note

3-1. 使用前請以乾淨擦拭紙或布，沾少許清潔油，反覆擦拭保護表面，以除去表面凝結的水分，及防銹蝕。

Wipe with a clean before use paper or cloth to clean a little oil, protect the surface repeatedly wipe to remove surface moisture condensation, and anti-corrosion.

3-2. 請在機器電機維修時，暫時將電源卸下，以防止低電壓漏電，毀損 IC。

Electrical maintenance in the machine, temporarily remove the power to prevent the low-voltage leakage, damage IC.

3-3. 保護膜污垢以中性清潔劑沾布擦拭，嚴重油垢以汽車用粗辣擦拭。勿用溶劑（像酒精、甲苯、松香水）之類清潔，以免腐蝕尺體保護膜。

Protective film dirt stick to a neutral detergent cloth, seriously spicy thick grease to clean vehicle. Do not use solvents (such as alcohol, toluene, pine scent) and the like clean, protective film to prevent corrosion scale body.

3-4. 在下雨天閃電很接近時，請關閉使用，平時一般狀況不關機。

When lightning is very close in the rain, turn off the use of general condition usually does not shut down.

3-5. 尺體安裝後皆作校直動作，如有撞擊到請確認尺體與主軸垂直度，有偏移，應自行以磁性座掛百分槓桿表校正，以防止故障。

scale body alignment after installation for all actions, if any, impact to make sure that the body and the spindle vertical scale, with offset blocks shall be linked to their own percentage of leverage to the table of magnetic correction to prevent failure.

3-6. 正確設置測量起點，除非更改設置，否則不要隨便壓 SET 鍵 做 PRESET 設定，以免發生量測錯誤。

Measurement point is set correctly, unless the change the settings, otherwise it should not pressure to do PRESET SET key to set in order to avoid measurement error.

3-7. 右側外接插口有引線四條，當液晶顯示在幕左上角出現” H ”時，為 HOLD 記憶鎖定狀態，須以導線將第一條引線接觸本體金屬，作消除記憶，動作完成出現 0.00 顯示。也可把電池拔除，壓著 ON/OFF 鍵再裝電池，重新開機。

Four external jack with the right lead, when the upper left corner of the LCD screen appears in the "H" when the HOLD memory locked, shall be lead wire to the first contact with the base metal, for the elimination of memory, the action appears to complete 0.00 display. is there to keep Disconnect the battery, pressing ON / OFF and then install the battery, built to re-boot.

3-8. 當機時顯示螢幕出現液晶所有顯示字體與數字，需卸除電池，壓著 ON/OFF 鍵再裝電池，重新開機。

When the machine LCD display shows all the display fonts and figures, to be removed the battery, pressing ON / OFF key and then install the battery, reboot.

3-9. 如從市場買的 LR44 / 1.5V 電池效果不佳，電壓不足 1.3V 時 表示電池放置過久，自然放電因素，已能量耗損，不可裝用，以免影響使用。

If bought from the market LR44 / 1.5V battery results are poor, that the battery voltage less than 1.3V place too long, the natural discharge factor, has energy dissipation, is not equipped with, so as not to affect use.

4. 狀 況：Status

感謝您採用本司這項專利產品，本司備有完整售後零件庫，如採用件豎式主軸尺出現下列狀況時必需調整與維修，歡迎用網際網路取用 Adobe 檔案：

1. 液晶幕顯示數值在正常計算下，突然瞬間跳脫至不正常之狀況表示：

Thank you for using the patented products of the Division, the Division with a complete after-sales parts library, such as the use pieces of vertical axis scale must be adjusted when the following conditions and maintenance, please use Internet Cable of Adobe files:

1. LCD screen displays the normal numerical calculations, the sudden trip to the inter-Shun abnormal condition, said:

(1) 磨耗已超過蕊片感應間隙。(2) 光柵短路。

(3) 感應蕊片之磁波已消退降至無法感測。

(1) wear more than Ruipian induction gap. (2) grating short circuit.

(3) the magnetic induction Ruipian has faded down can not sense.

2. 液晶幕顯示數值停止在記憶之狀態，顯示值不跳動計算。

LCD screen displays the status values to stop in the memory, the display does not beat calculation.

3. 液晶幕沒有數值顯現。 Value of the LCD screen does not appear.

4. 沒移動但液晶幕顯示數值一直不停的快速跳閃。

LCD screen display did not move but the value has been kept fast jump flash.

5. 液晶幕顯示數值無法在任一定點歸零。

LCD screen display at any given point values can not be zero.

6. 無法一般計算與快速計算轉換。

General Computing and fast calculation can not be converted.

7. 液晶幕顯示數值一直閃爍著。 LCD screen display value has been shining.

擁有這些充份完整的介紹，您將可自行故障排除。

A complete description of these fully, you will be able to own troubleshooting.

5. 安 裝：Installation



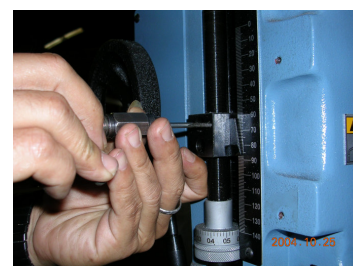
1. 首先選用鋼珠球頭 C270158 與固定座 C270157 組立使用
At first, a steel ball and ball holder C270157 C270158 assembly use



2. 將固定座 C270157 放置擋頭作鑽孔定位
the holder C270157 place for drilling the first positioning block



3. 固定座 C270157 放置擋頭之鑽定位孔
Holder C270157 block head placed positioning holes of the drill

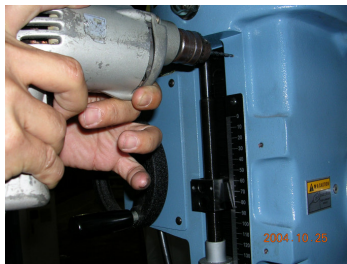


4. 固定座 C270157 放置擋頭之定位孔攻 M3 牙孔
Holder C270157 block placed on the positioning hole tapping the first M3 teeth.



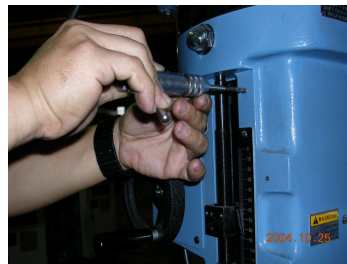
5. 將雙腳等高座 C67202F 放置砲塔頭上方最佳位置作鑽孔定位

Block C67202F feet high will be placed on the best position turret head side positioning for drilling



6. 在雙腳等高座 C67202F 放置砲塔頭上方最佳位置作鑽孔。

in your feet placed high seat C67202F best position turret head for drilling side.



7. 在雙腳等高座 C67202F 放置砲塔頭上方最佳已鑽孔位置作 M5 攻牙。

In feet height C67202F placed turret optimal drilling location for M5 tapping over the head.



8. 將單腳等高座 C67201F 放置砲塔頭左下方最佳位置作鑽孔定位

C67201F high block placed on one foot below the gun turret head left the best location for drilling position



9. 在單腳等高座 C67201F 放置砲塔頭左下方最佳位置作鑽孔

In one foot high C67201F placed below the gun turret head left the best position for drilling



10. 在單腳等高座 C67201F 放置砲塔頭左下方最佳已鑽孔位置作 M5 攻牙

In one foot high C67201F placed turret optimal drilling location below the head left for M5 tapping



11. 將固定座 C270157 鎖上擋頭定位

Position the mount C270157 lock gear head



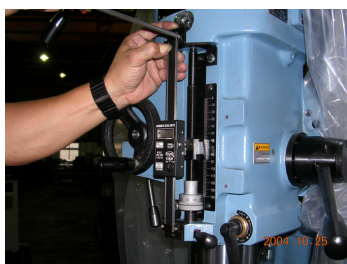
12. 將雙腳等高座 C67202F 鎖上砲塔頭上方孔定位

Feet such as the high seat C67202F lock hole above the turret head positioning



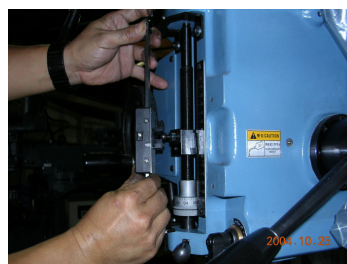
13. 將單腳等高座 C67201F 鎖上砲塔頭左下方孔定位

C67201F lock turret head left high block on one foot below the hole location



14. 尺體試裝是否與固定孔定位

Scale bodies with mounting holes position



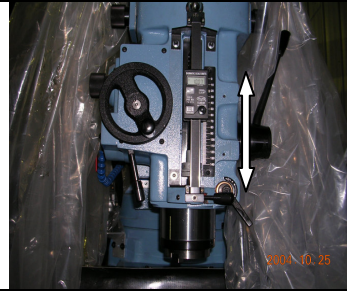
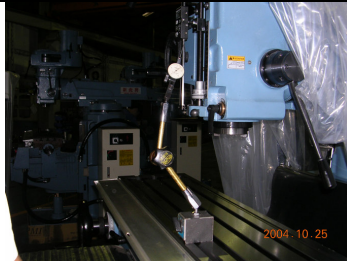
15. 尺體試裝調整背鈕與鋼珠球頭定位

Scale bodies test load adjustment knob and steel ball ball position



16. 尺體試裝後背鈕與鋼珠球頭調整之最佳定位為目視 0.2-0.5mm 間隙

Scale bodies mounted on the back button and adjustment of the steel ball ball best positioned as a Visual 0.2-0.5mm of clearance



17. 尺體試裝調整合適後
用 M4 螺絲微上緊等高墊
M4 孔定位
Test load adjustment
appropriate use M4 screws
M4 hole micro-wound up the
high pad position

18. 用萬向磁座配槓桿百分
表吸著在工作床台對尺
體側面作上下垂直度校
準
Universal magnetic
distribution leverage dial
gauge sorption in bed on the
ulnar side of the body from
top to bottom vertical
alignment

19. 垂直度必需校準在
0.03mm 內再上緊固定螺
絲完成安裝
Vertical degree required
calibration within the
0.03mm and then
tightening screws to
complete the installation

Ok
完成安裝