

多功能液晶顯示銑床主軸頭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 C6720N7 第七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：行程 0-165mm 用 Measuring distance: 0-165mm 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： ± 999.99 mm/39.369" (讀值至小數點後兩位)

Range: ± 999.99 mm/39.369 "(reading to two decimal places)

1-5. 最高動速：3 m/secc。The maximum moving speed: 3 m/secc

1-6. 輸出：本機無此功能。 No such function

1-7. 電源：採用鋰電池 CR2032 DC 3. V X 1EA 工作時數 1000HR 以上，一般連續使用約 3-6 個月。
(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 CR2032 DC 3 V X 1EA 1000HR more hours of work, generally using about 3-6 month.(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 (面板功能鍵如下圖)



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

2-3. INC/ABS 鍵：INC/ABS 相對值與絕對值互換鍵，可作歸零與累計值。

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

2-4. ZERO/SET 鍵：又叫起點設置歸零鍵。一般短押不超過 0.3 秒是歸零動作

長押是超過 0.5 秒 是要設定 SET 起始值。

常態設定是在 0.00

Generally short charge no more than 0.3 seconds is zero action

Charge is more than 0.5 seconds long is the set start value

Normal setting is at 0.00

- 2-5. PRE+ /- 鍵：為設置正/負數值起始鍵，需先長押 ZERO/SET 鍵，液晶顯示幕右上方 SET 需在閃爍功能顯示下操作，要取消再押一次，設定值經 PRE 後的值將設定為 SET 啟動值。

Set positive / negative values start button, First long charge ZERO / SET button, The top right of the LCD display shows SET function to be operated in flashing, To cancel a bet once again, After setting PRE value will be set after the start value of SET。

- 2-6. 電池蓋：更換電池將電池蓋往右推即可。

Replace the battery can push the battery cover to the right

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(常態是設定在 0.00, 除非更改設置，否則不要隨便壓 SET 鍵 做 PRE+/- 設定，以免發生量測錯誤。

Measurement point is set correctly, Normal setting is at 0.00 unless the change the settings, otherwise it should not pressure to do PRE+/- key to set in order to avoid measurement error.

- 3-7. 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，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, and then install the battery, reboot.

- 3-8. 如從市場買的 CR2032 DC3V 電池效果不佳，電壓不足 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 CR2032 DC3V battery results are poor, that the battery voltage less than 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，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：

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. 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：

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.


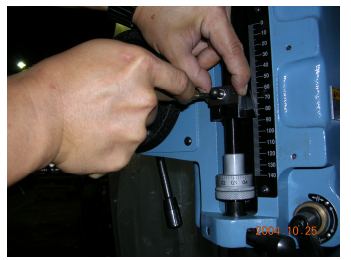

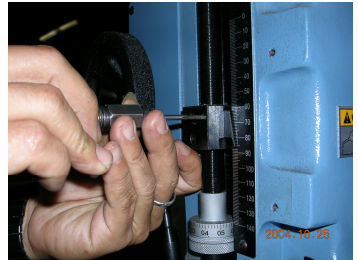


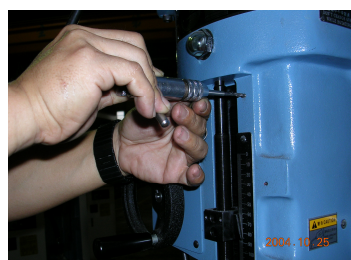

(3) the magnetic induction Ruipian has faded down can not sense.

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. 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 (圖片中主軸尺為第6代)

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

			
<p>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</p>	<p>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</p>	<p>11. 將固定座 C270157 鎖上擋頭定位 Position the mount C270157 lock gear head</p>	<p>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</p>
			
<p>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</p>	<p>14. 尺體試裝是否與固定孔定位 Scale bodies with mounting holes position</p>	<p>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</p>	<p>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</p>
			<p>Ok 完成安裝</p>
<p>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</p>	<p>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</p>	<p>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</p>	