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# BENDER

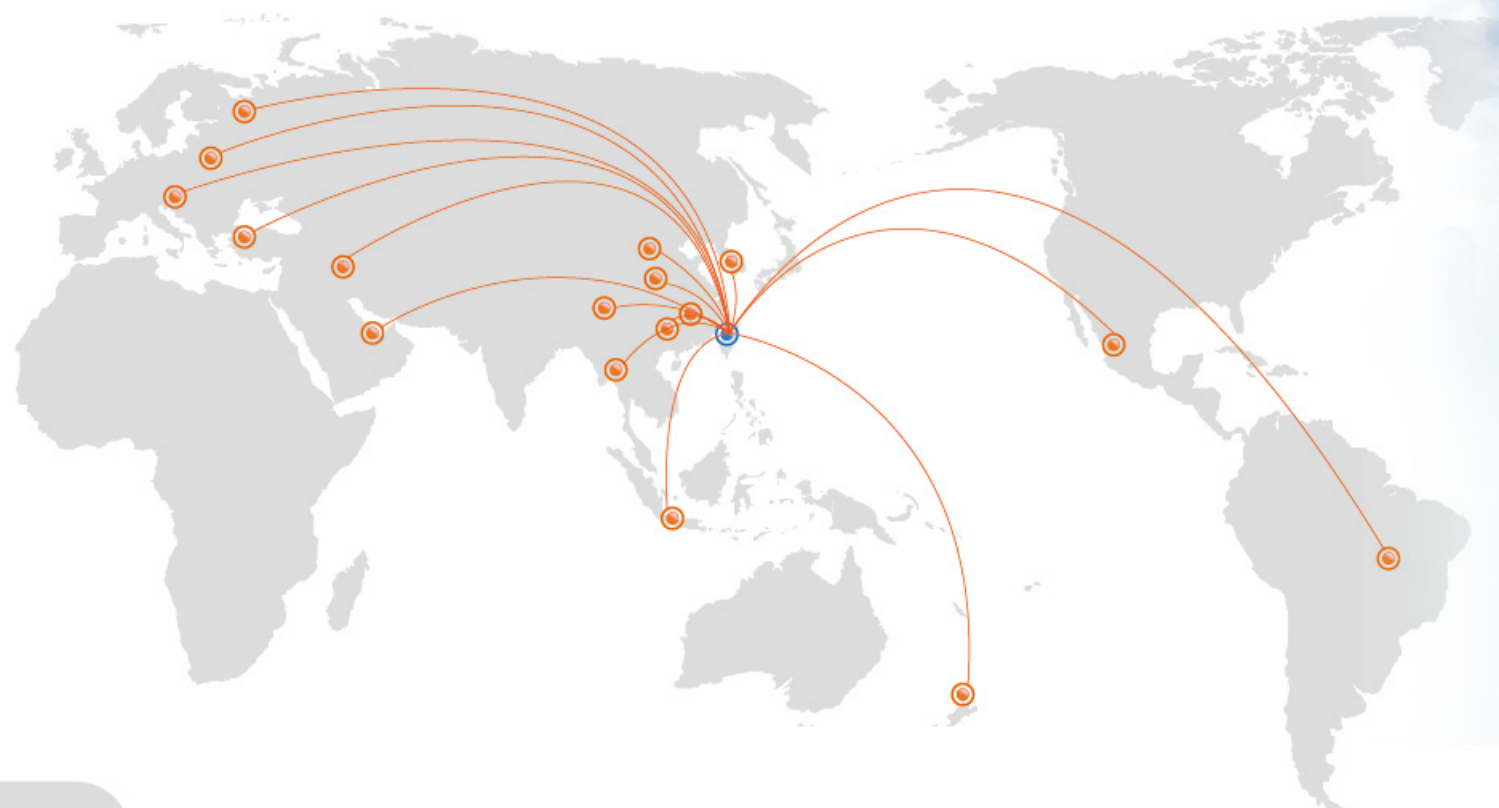
METAL TUBE & PIPE SOLUTION



旭東機械工業股份有限公司  
SHUZ TUNG MACHINERY INDUSTRIAL CO., LTD.

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## Company History

Established in 1978, Shuz Tung has been dedicated to manufacturing of various machinery and automation equipment. In the past 40 years, Shuz Tung has accumulated advanced and professional techniques for superior production quality on practical and solid ground. The efforts and achievement are highly recognized by all the customers.

Outstanding capabilities of techniques and engineering, excellent working team, all of these firmly shape great competitiveness for Shuz Tung. Shuz Tung specialize in tube processing, manufacturing of tube bending machines, turn-key equipment for bicycles, tubes for furniture, etc. The product range consists of more than 2,000 models which are sold around the world.

Comprehensive and complete service is Shuz Tung's strength to guarantee 100% customers satisfaction. From fundamental production equipment, technical transferring, technical consultation to turn-key planning, customers are provided with highly effective, highly integrated supports for an overall view at production.

Advancing with the latest market trend to stay competitive and striving with all efforts to meet customers' needs-Shuz Tung is confidently pursuing the best quality to aim at the prosperous future in the new century!

## 公司簡介

自1978年成立以來，旭東公司致力於製造各式機械生產及自動化設備，歷經四十餘載，秉持實事求是的企業精神，累積了高度專業技術以及優越生產品質，搏得客戶一致的認同。

卓越的技術工程能力，加上優秀的工作團隊，紮實打造旭東的強勁競爭優勢。專於管類加工、彎管機生產、自行車整廠生產設備、管類家具等，生產達2000多種機型，銷售網遍佈全球。

周全而完善的整體服務，是旭東贏得客戶百分之百滿意度的另一驕傲。舉凡基本設備製造、完整技術轉移、技術顧問諮詢、整廠流程規劃等，提供客戶高效能高整合的整體生產版圖。

掌握市場脈動，與時俱進；切合客戶需求，全力以赴。旭東胸懷追求最佳品質的堅定信念，願與您一同邁向新世紀的蓬勃願景！





## 觸控式螢幕

- 17" 彩色觸控式螢幕，可選配多國語言。
- 採用 PC BASE，親和性程式 WIN PC 編輯及輸入。

## LCD TOUCH SCREEN

- 17" color touch screen with multiple languages for options.
- PC base with friendly WIN PC user programmable.

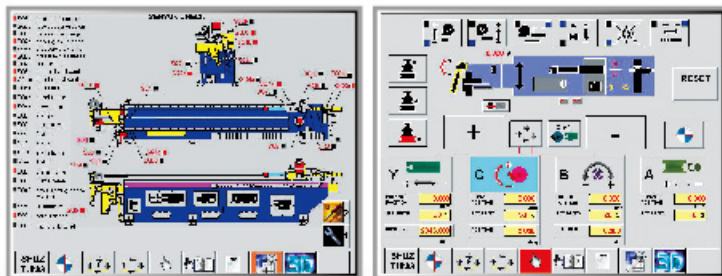


## 參數&3D模擬

- 參數可自由設定慢速退芯、輔推、穿心軸注油、自動回彎以及反彈補償值。
- 120GB 硬碟供大量資料儲存。
- 3D 模擬預覽搭配管件測量，可減少試車材料損耗。

## PARAMETER LIST & 3D SIMULATION

- Able to set up mandrel pre-backward, booster, mandrel lubrication, auto bending reverse and spring back compensation.
- With 120G HD to store data.
- Preview the bending process in 3D simulation.

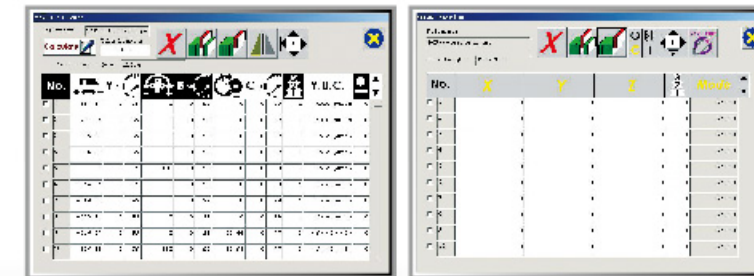


## 異常訊息

- 以文字及閃爍異常區塊提供操作可能異常狀況。

## ERROR MESSAGE

- Error description and flashing alarm indicating abnormal area for instant trouble shooting



## CMM 檢測輸入：

- 以檢測手臂量測管件，輸出報告含Y, B, C以及X, Y, Z，即可輸入彎管機成為彎管程式。

## TRANSFER FROM CMM REPORT

- Measure sample by CMM ARM, report contents "Y, B, C" & "X, Y, Z", input the report data to bender.

## 彎管機類型 BENDER SERIES

### CNC BR1/2

單層模/雙層模，可搭配彎管或捲圓。  
Single/Dual stacks for bending or rolling.

### CNC BR3/M

多層模，除彎管/捲圓外，另可搭配沖孔或沖切。  
Multi stacks for bending and rolling.  
Optional function for hole punching and punching cut.

### CNC B1/2

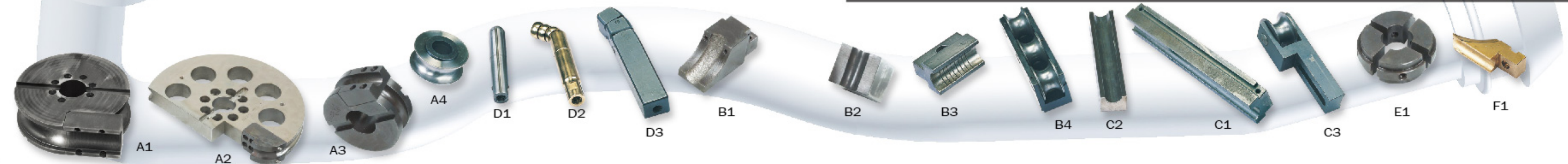
單層模/雙層模，可做彎管。  
Single/Dual stacks for bending.

### AUTO

單層模，可做彎管。  
Single stack for bending.

### NCB

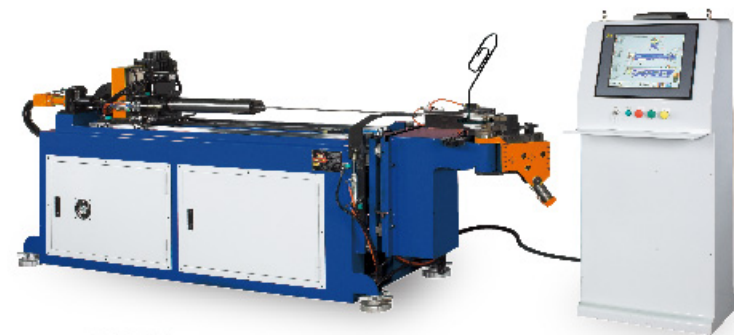
數值控制。  
Numeric control type.



## 彎管模具 BENDING DIES

| 機 型<br>MODEL        | 彎曲模<br>BENDING DIE | 彎曲夾模<br>CLAMPING DIE | 彎曲導模<br>PRESSURE DIE | 單/多珠芯桿<br>SINGLE/MULTI-BALL<br>MANDREL | 傾轉夾模<br>CLAMP CHUCK | 背 板<br>WIPER DIE |
|---------------------|--------------------|----------------------|----------------------|----------------------------------------|---------------------|------------------|
| CNC<br>BENDING 彎曲模  | A1, A2, A3         | B1, B2, B3           | C2                   | D1, D2, D3                             | E1                  | F1               |
| CNC<br>ROLLING 捲圓模  | A4                 | C3                   | B4                   | D1, D2, D3                             | E1                  | -                |
| AUTO<br>BENDING 彎曲模 | A2, A3             | B1, B2, B3           | C1, C2               | D1, D2, D3                             | E1                  | F1               |
| NC<br>BENDING 彎曲模   | A2, A3             | B1, B2, B3           | C1, C2               | D1, D2, D3                             | -                   | F1               |

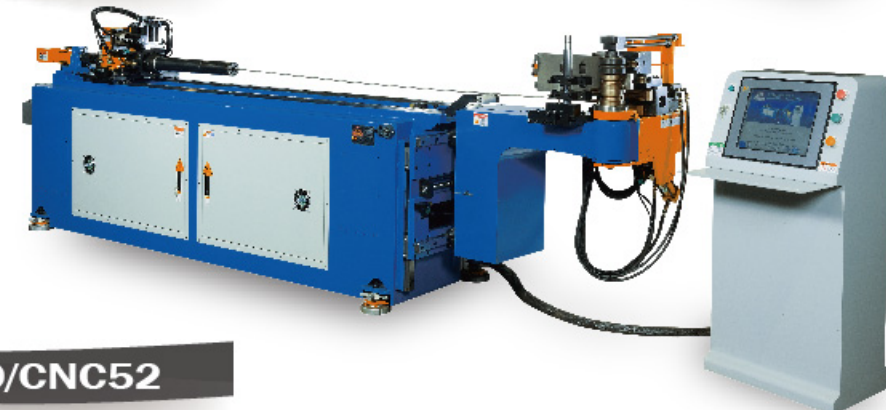
CNC16



CNC25/CNC28



CNC38/CNC40



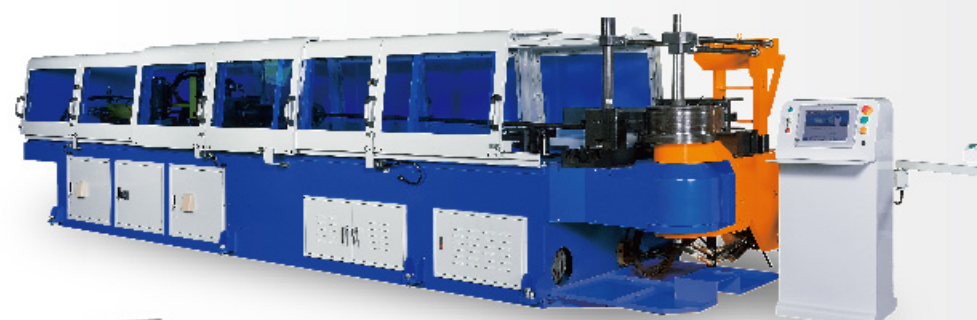
CNC50/CNC52



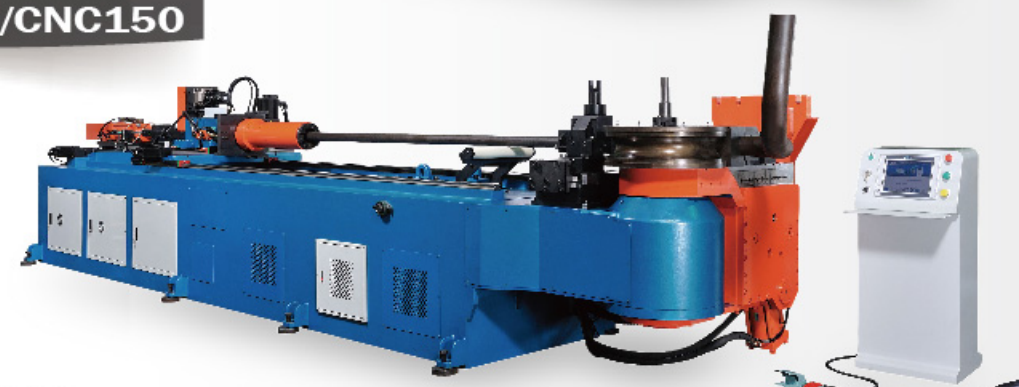
CNC65/CNC80



CNC100



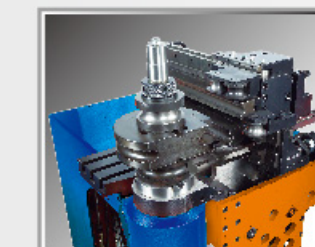
CNC130/CNC150



CNC170



## ACCESSORIES OPTION



### 捲圓機構

- 適用彎曲半徑大於6D以上運用伺服送料機構推送管件達捲圓及3D弧形需求

### PUSH BEND DEVICE

- Suitable for bends of over 6D radius, servo feeding device pushes through rollers to form larger radius and 3D curvature shape.



### 沖孔機構

- 第二模層可因應需求更換彎管或沖孔機構
- 在彎曲加工同時執行沖孔功能，可避免二次加工的時間

### HOLE PUNCHING DEVICE

- Able to exchange 2nd stack via bending device or hole punching device.
- Execute hole punching & bending process at one operation, avoiding 2nd processing job on hole process.

## CE VERSION



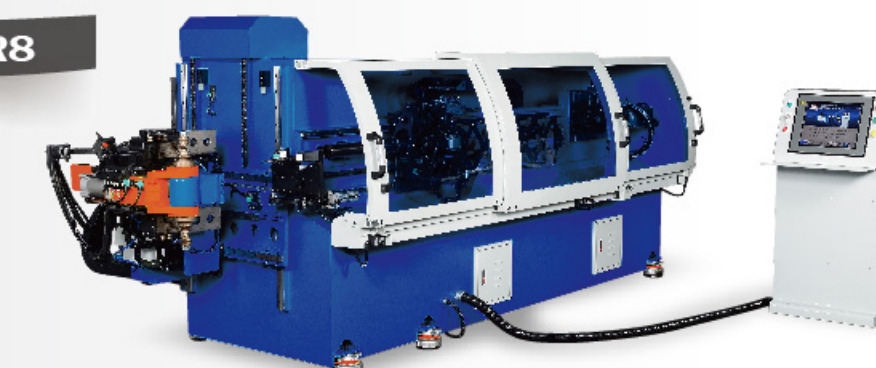
### CE規格

- 加裝安全護蓋，懸吊式開關，風扇冷卻

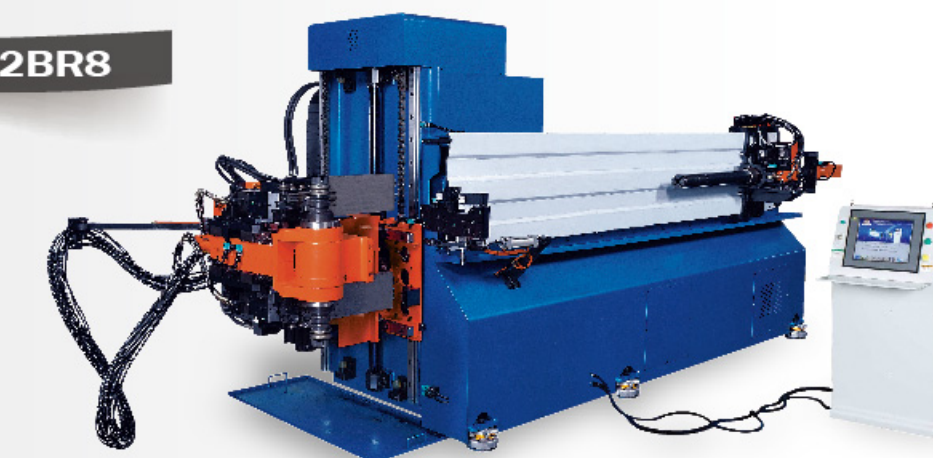
### CE SPECIFICATION

- With safety cover, hanging switch and cooling fan.

CNC20BR8



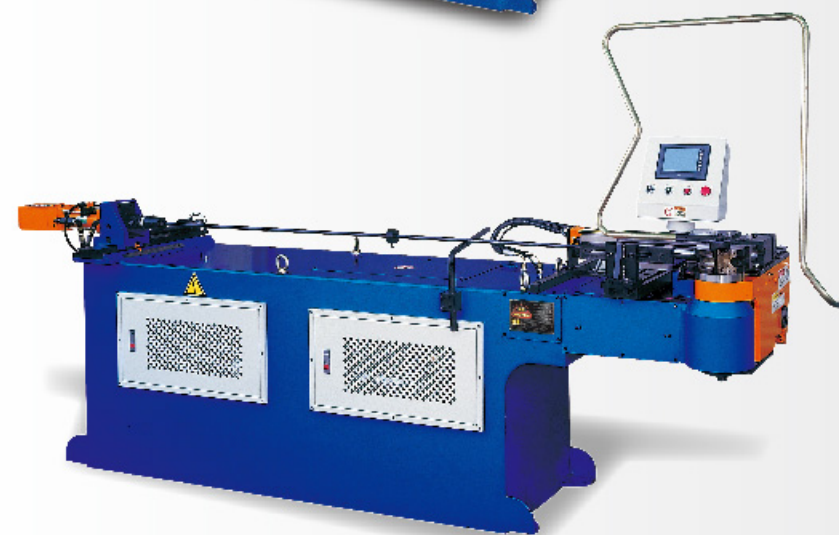
CNC32BR8



NCB25



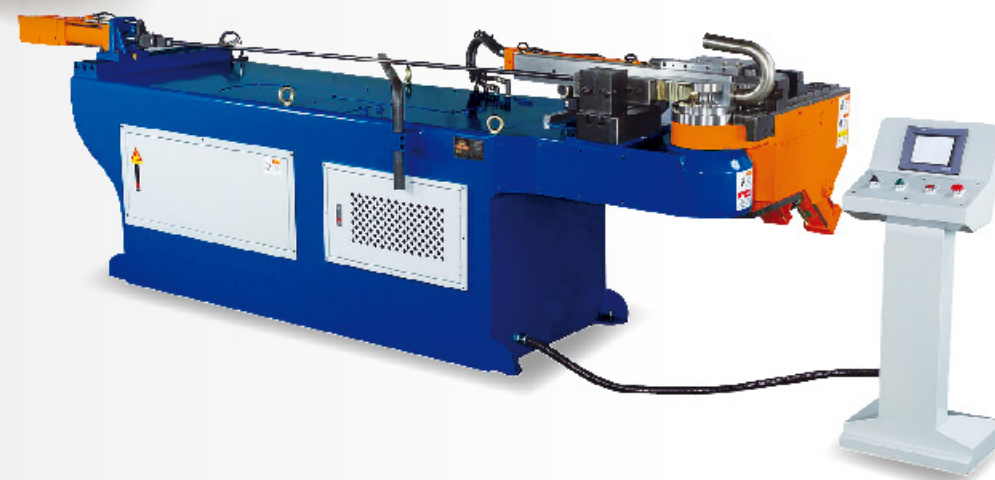
NCB38



NCB50



NCB65/NCB80



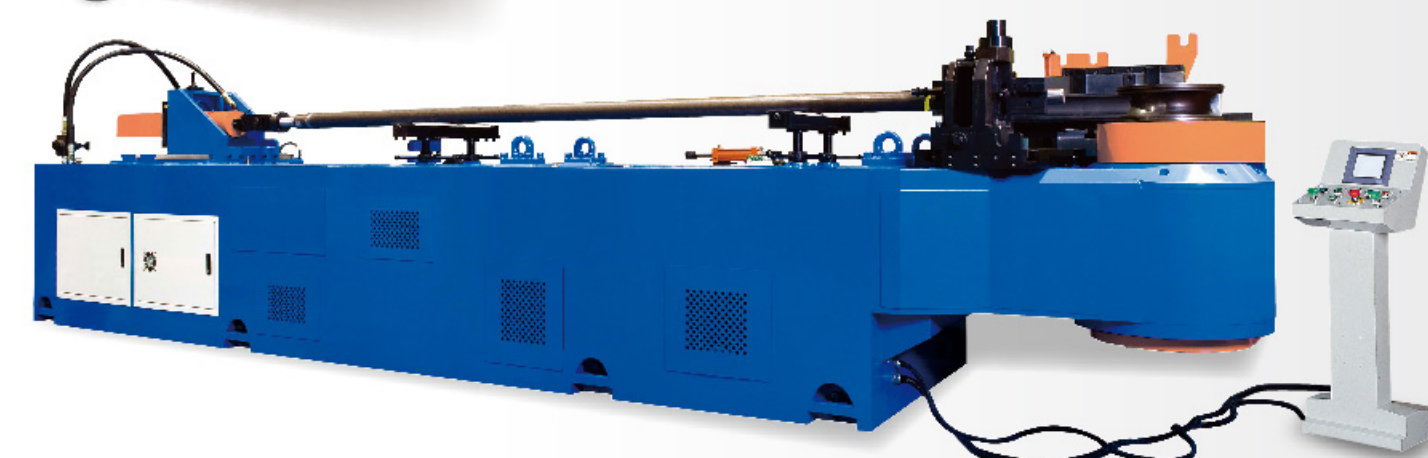
NCB100



NCB130



NCB150/NCB170



AUTO38/AUTO63



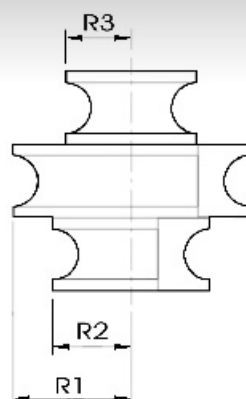
CNC38B1/CNC50B1



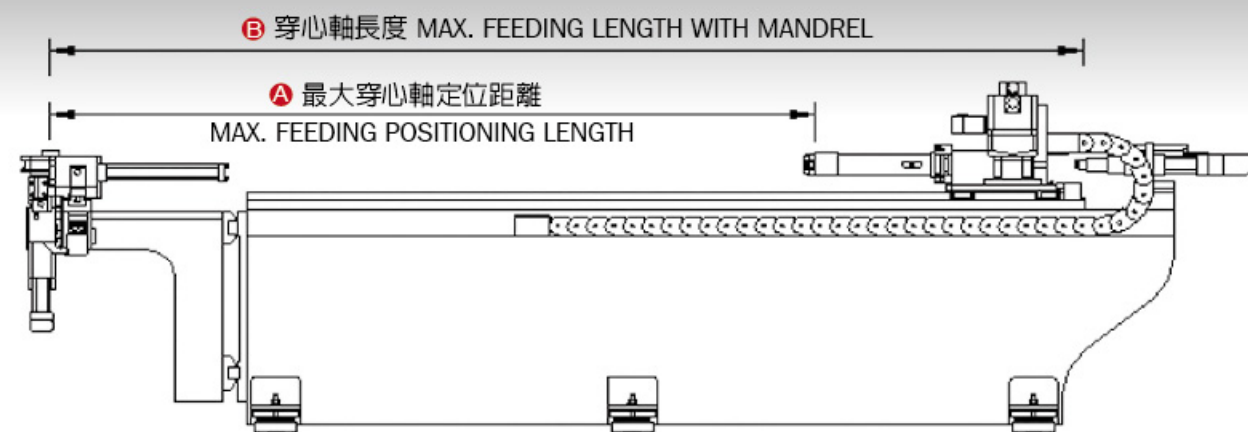
| CNC 控制系列 CNC CONTROL SERIES                                    |                  |                                     |                                                 |                                                 |                                                 |                                        |                                        |                            |             |                                |             |             |             |             |                          |                          |                          | AUTO                     |             | NC 控制系列 NC CONTROL SERIES |            |            |             |             |             |             |             |             |             |  |  |
|----------------------------------------------------------------|------------------|-------------------------------------|-------------------------------------------------|-------------------------------------------------|-------------------------------------------------|----------------------------------------|----------------------------------------|----------------------------|-------------|--------------------------------|-------------|-------------|-------------|-------------|--------------------------|--------------------------|--------------------------|--------------------------|-------------|---------------------------|------------|------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--|--|
| 機型/MODEL                                                       |                  | 伺服彎曲 Bending Servo Control          |                                                 |                                                 |                                                 |                                        |                                        |                            |             | 油壓彎曲 Bending Hydraulic Control |             |             |             |             |                          |                          |                          |                          |             |                           |            |            |             |             |             |             |             |             |             |  |  |
|                                                                |                  | CNC 16 B1<br>CNC 16 B2<br>CNC 16 B3 | CNC 25/28 BR1<br>CNC 25/28 BR2<br>CNC 25/28 BR3 | CNC 38/40 BR1<br>CNC 38/40 BR2<br>CNC 38/40 BR3 | CNC 50/52 BR1<br>CNC 50/52 BR2<br>CNC 50/52 BR3 | CNC 65 BR1<br>CNC 65 BR2<br>CNC 65 BR3 | CNC 80 BR1<br>CNC 80 BR2<br>CNC 80 BR3 | CNC 100 BR1<br>CNC 100 BR2 | CNC 20 BR8  | CNC 32 BR8                     | CNC 38 B1   | CNC 50 B1   | CNC 65 B1   | CNC 80 B1   | CNC 100 B1<br>CNC 100 B2 | CNC 130 B1<br>CNC 130 B2 | CNC 150 B1<br>CNC 150 B2 | CNC 170 B1<br>CNC 170 B2 | AUTO 38     | AUTO 63                   | NCB 25     | NCB 38     | NCB 50      | NCB 65      | NCB 80      | NCB 100     | NCB 130     | NCB 150     | NCB 170     |  |  |
| 動力<br>Horse Power                                              |                  | 11HP                                | 12.5HP                                          | 18HP                                            | 30HP                                            | 42HP                                   | 54HP                                   | 63HP                       | 13HP        | 27HP                           | 14HP        | 20HP        | 26HP        | 32HP        | 45HP                     | 48HP                     | 48HP                     | 53HP                     | 6HP         | 11.7HP                    | 7.5HP      | 7.5HP      | 10HP        | 15HP        | 20HP        | 25HP        | 37.5HP      | 37.5HP      | 40HP        |  |  |
| 適用最大外徑<br>Max. Bending O.D. (mm)                               |                  | 16x1.2                              | 25x1.5                                          | 38x2                                            | 50x2                                            | 65x2.2                                 | 80x3                                   | 100x3                      | 20x1.2      | 32x1.8                         | 38x2        | 50x2        | 65x3        | 80x4        | 100x6                    | 130x7                    | 150x8                    | 170x7                    | 38x2        | 63x2                      | 25x1.2     | 38x2       | 50x2        | 65x2.2      | 80x4        | 100x6       | 130x7       | 150x8       | 170x7       |  |  |
| 彎曲最大半徑<br>Max. Bending Radius (mm)                             |                  | 80                                  | 100                                             | 200                                             | 220                                             | 220                                    | 250                                    | 350                        | 90          | 150                            | 200         | 220         | 220         | 250         | 350                      | 450                      | 500                      | 600                      | 180         | 250                       | 120        | 300        | 450         | 450         | 500         | 500         | 500         | 600         | 600         |  |  |
| 彎曲最大角度<br>Max. Bending Angle (°)                               |                  | 190                                 | 190                                             | 190                                             | 190                                             | 190                                    | 190                                    | 190                        | 190         | 190                            | 190         | 190         | 190         | 190         | 190                      | 190                      | 190                      | 190                      | 190         | 190                       | 190        | 190        | 190         | 190         | 190         | 190         | 190         | 190         | 190         |  |  |
| 最大穿心軸定位距離 <sup>Ⓐ</sup><br>Max. Feeding Positioning Length (mm) |                  | 1300                                | 1800                                            | 2500                                            | 2500                                            | 2500                                   | 3000                                   | 3000                       | 1500        | 2500                           | 2500        | 2500        | 2500        | 3000        | 3000                     | 3000                     | 4000                     | 4000                     | 2000        | 2500                      | --         | --         | --          | --          | --          | --          | --          | --          | --          |  |  |
| 穿心軸長度 <sup>Ⓑ</sup><br>Max. Feeding Length With Mandrel (mm)    |                  | 2250                                | 2800                                            | 3600                                            | 3700                                            | 3500                                   | 4400                                   | 4600                       | 2600        | 3800                           | 3700        | 3700        | 3900        | 4400        | 4600                     | 5000                     | 6000                     | 6700                     | 2900        | 3800                      | 950        | 2000       | 2000        | 2300        | 2300        | 3000        | 3000        | 4000        | 4200        |  |  |
| 彎曲精度<br>Bending Accuracy (°)                                   |                  | ±0.05                               | ±0.05                                           | ±0.05                                           | ±0.05                                           | ±0.05                                  | ±0.05                                  | ±0.05                      | ±0.05       | ±0.05                          | ±0.1        | ±0.1        | ±0.1        | ±0.1        | ±0.1                     | ±0.1                     | ±0.1                     | ±0.1                     | ±0.2        | ±0.2                      | ±0.1       | ±0.1       | ±0.1        | ±0.1        | ±0.1        | ±0.1        | ±0.1        | ±0.1        | ±0.1        |  |  |
| 彎曲速度<br>Bending Speed (°/sec)                                  |                  | 214                                 | 200                                             | 150                                             | 120                                             | 80                                     | 70                                     | 35                         | 257         | 240                            | 110         | 50          | 35          | 21          | 15                       | 10                       | 5                        | 5                        | 40          | 30                        | 210        | 60         | 35          | 30          | 15          | 10          | 10          | 5           | 5           |  |  |
| 送料精度<br>Feeding Accuracy (mm)                                  | 排齒<br>Rack       | ±0.1                                | ±0.1                                            | ±0.1                                            | ±0.1                                            | ±0.1                                   | ±0.1                                   | ±0.1                       | ±0.1        | --                             | ±0.1        | ±0.1        | ±0.1        | ±0.1        | ±0.1                     | ±0.1                     | ±0.1                     | ±0.1                     | ±0.2        | ±0.2                      | --         | --         | --          | --          | --          | --          | --          | --          | --          |  |  |
|                                                                | 螺桿<br>Ball screw | ±0.01                               | ±0.01                                           | ±0.01                                           | ±0.01                                           | --                                     | --                                     | --                         | --          | ±0.01                          | --          | --          | --          | --          | --                       | --                       | --                       | --                       | --          | --                        | --         | --         | --          | --          | --          | --          | --          | --          | --          |  |  |
| 送料速度<br>Feeding Speed (mm/sec)                                 |                  | 1~1200                              | 1~1100                                          | 1~1000                                          | 1~1000                                          | 1~800                                  | 1~800                                  | 1~600                      | 1~1250      | 1~1100                         | 1~1000      | 1~1000      | 1~800       | 1~800       | 1~600                    | 1~600                    | 1~600                    | 1~600                    | 1~500       | 1~500                     | --         | --         | --          | --          | --          | --          | --          | --          | --          |  |  |
| 傾轉角度<br>Turning Accuracy (°)                                   |                  | ±0.1                                | ±0.1                                            | ±0.1                                            | ±0.1                                            | ±0.1                                   | ±0.1                                   | ±0.1                       | ±0.1        | ±0.1                           | ±0.1        | ±0.1        | ±0.1        | ±0.1        | ±0.1                     | ±0.1                     | ±0.1                     | ±0.1                     | ±0.2        | ±0.2                      | --         | --         | --          | --          | --          | --          | --          | --          | --          |  |  |
| 程式組數<br>Number Of Programs                                     |                  | No Limited                          |                                                 |                                                 |                                                 |                                        |                                        |                            |             | 200                            |             |             |             |             |                          |                          |                          | 50                       |             | 99                        |            |            |             |             |             |             |             |             |             |  |  |
| 每組可彎組數<br>Bending No. / Program                                |                  | No Limited                          |                                                 |                                                 |                                                 |                                        |                                        |                            |             | 30 Edit Lines / Program        |             |             |             |             |                          |                          |                          | 15 Edit Lines/ Program   |             | 20 Edit Lines / Program   |            |            |             |             |             |             |             |             |             |  |  |
| 轉角速度<br>Turning Speed (°/sec)                                  |                  | 360                                 | 240                                             | 240                                             | 200                                             | 150                                    | 150                                    | 100                        | 308         | 240                            | 240         | 200         | 150         | 150         | 100                      | 100                      | 82                       | 82                       | 120         | 120                       | --         | --         | --          | --          | --          | --          | --          | --          | --          |  |  |
| 多層模半徑差<br>Radius Difference Between Stacks (mm)                |                  | 25                                  | 40                                              | 45                                              | 80                                              | 80                                     | 90                                     | 100                        | No Limited  | No Limited                     | 45          | 80          | 80          | 90          | 100                      | 150                      | 170                      | 190                      | --          | --                        | --         | --         | --          | --          | --          | --          | --          | --          | --          |  |  |
| 機械外型<br>Dimensions (cm)                                        |                  | 300x76x140                          | 375x88x140                                      | 445x118x140                                     | 500x145x155                                     | 540x120x150                            | 600x142x180                            | 740x200x180                | 390x200x145 | 450x180x195                    | 495x105x130 | 500x145x155 | 525x135x135 | 580x140x150 | 690x210x175              | 705x226x179              | 900x250x180              | 1052x280x200             | 390x110x130 | 520x128x135               | 190x92x130 | 300x87x130 | 315x105x140 | 360x130x130 | 375x165x130 | 492x170x175 | 520x220x175 | 745x234x190 | 752x285x200 |  |  |
| 重量<br>Weight (kg)                                              |                  | 1300                                | 1600                                            | 2400                                            | 3500                                            | 4000                                   | 6000                                   | 6500                       | 4500        | 6000                           | 2300        | 3200        | 4400        | 5000        | 7600<br>8500             | 12000<br>13000           | 18500<br>20000           | 24000<br>26000           | 2000        | 3000                      | 540        | 1140       | 1300        | 1900        | 3800        | 6500        | 11000       | 13000       | 17000       |  |  |

## 備註 KEY

- Ⓐ 請參閱右圖所示  
Ⓑ Please refer to the drawing in the right side.



多層模可加選沖孔及沖切功能。  
4th axis CNC is available as option during multi-stack operation to provide hole punching and punching cut.

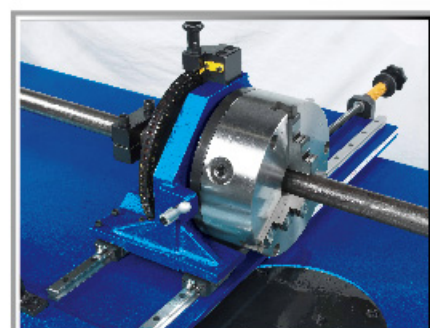
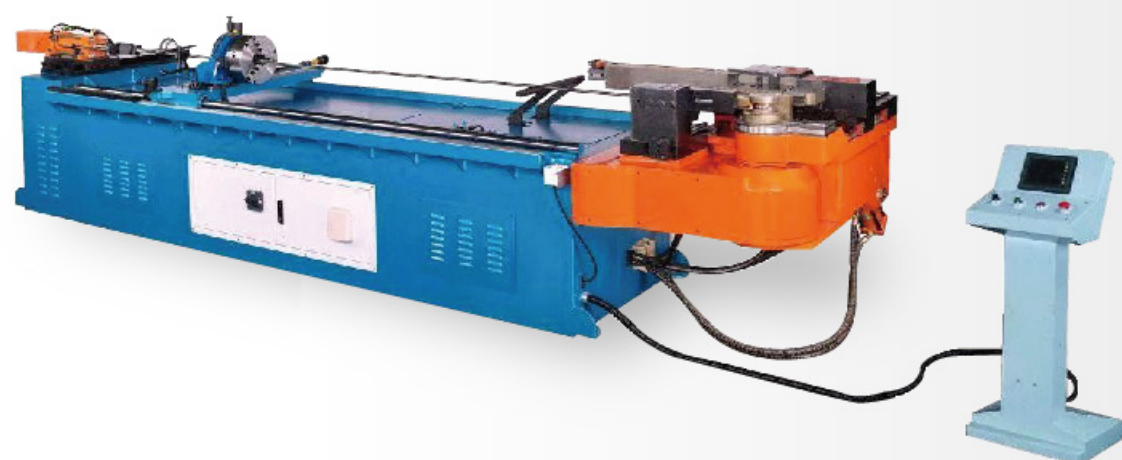


The manufacturer always performs product improvements to achieve the best possible performance. All specifications, dimensions and design characteristics shown in this catalogue are subject to change without notice. (Product specifications are based on the actual machines.)  
本公司隨時在進行研究改進的工作，因此保有隨時更改設計，規格尺寸及機械機構之權利，產品規格依實物為準，若有任何變更，恕不另行通知。

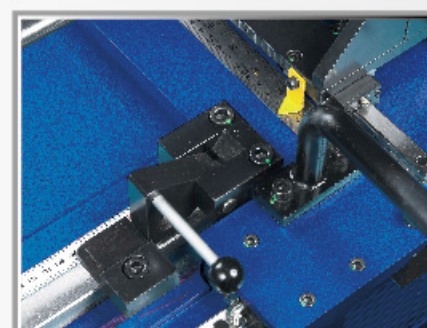
## NCB38H/50H



## NCB65H/80H



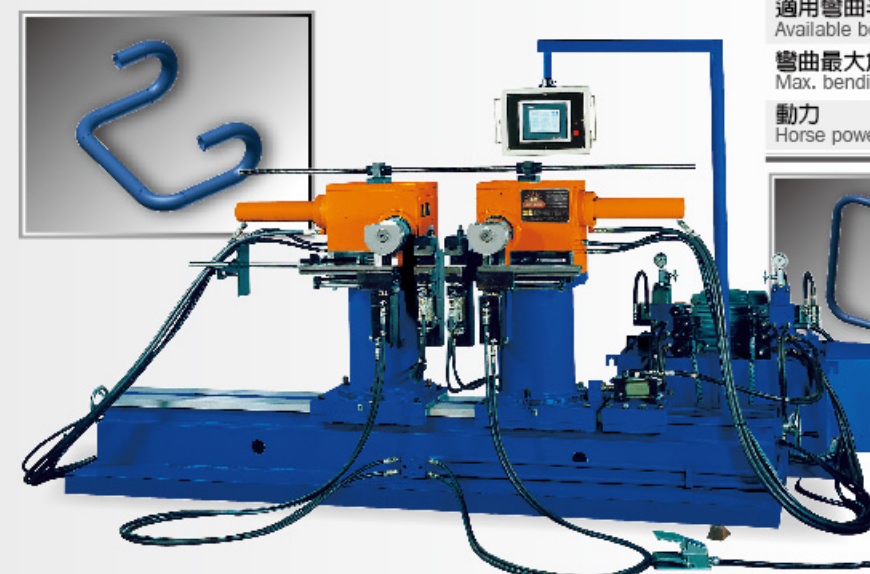
角度傾轉 / ANGLE ROTATING



長度定位 / LENGTH SETTING

## DDB38/DB38

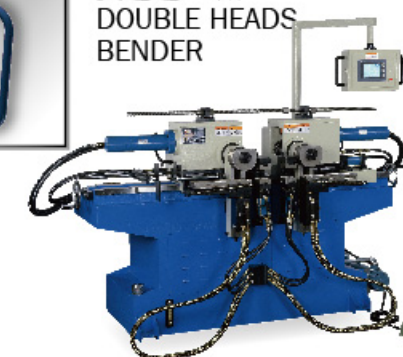
二次雙彎管機  
DOUBLE HEADS BENDER (Two Times Finish)



| 機型/MODEL                                       | DDB38<br>1500 | DDB38<br>2000 | DDB38<br>2500 |
|------------------------------------------------|---------------|---------------|---------------|
| 適用最長兩彎距離<br>Max. distance between 2 bends (mm) | 1500          | 2000          | 2500          |
| 適用最大外徑<br>Max. bending O.D. (mm)               | 38            |               |               |
| 適用彎曲半徑<br>Available bending radius (mm)        | 30~150        |               |               |
| 彎曲最大角度<br>Max. bending angle (°)               | 190           |               |               |
| 動力<br>Horse power (HP)                         | 7 1/2-4P      |               |               |



雙彎管機  
DOUBLE HEADS  
BENDER



## VRB

立式捲圓機 VERTICAL ROLLING BENDER

| 機型/MODEL                           | VRB 38      | VRB 50      |
|------------------------------------|-------------|-------------|
| 適用最大外徑<br>Max. rolling O.D. (mm)   | 38.1        | 50          |
| 最大捲圓半徑<br>Max. rolling radius (mm) | 5D~600      | 5D~650      |
| 捲圓速度<br>Rolling speed (mm/sec)     | 200         | 200         |
| 動力<br>Horse power (HP)             | 5           | 7.5         |
| 機械外型<br>Dimensions (cm)            | 230x100x200 | 230x140x220 |
| 重量<br>Weight (kg)                  | 1100        | 1500        |



## HRB

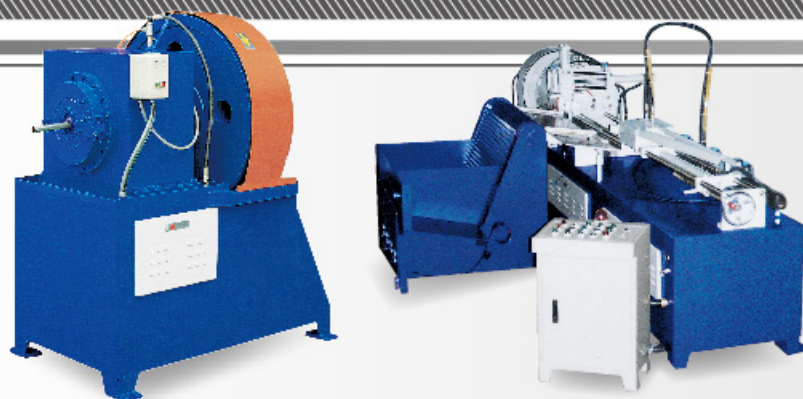
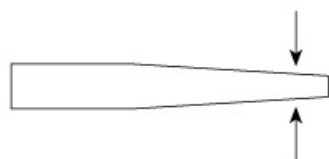
臥式捲圓機 HORIZONTAL ROLLING BENDER

| 機型/MODEL                           | HRB 38     | HRB 50     |
|------------------------------------|------------|------------|
| 適用最大外徑<br>Max. rolling O.D. (mm)   | 38.1       | 50         |
| 最小捲圓半徑<br>Min. rolling radius (mm) | 100        | 200        |
| 捲圓速度<br>Rolling speed (mm/sec)     | 200        | 200        |
| 動力<br>Horse power (HP)             | 3          | 7          |
| 機械外型<br>Dimensions (cm)            | 120x90x150 | 130x90x110 |
| 重量<br>Weight (kg)                  | 1100       | 2000       |



## HT-20-01

斜度成型機 SWAGING MACHINE



| Specifications / Model |        | 2 Pcs Mold Type    |            | 4 Pcs Mold Type    |            | Max. Pipe Length (mm) | Max. Swaging Length (mm) | HP(kw) | Outlook (cm) | Weight (kg) |
|------------------------|--------|--------------------|------------|--------------------|------------|-----------------------|--------------------------|--------|--------------|-------------|
|                        |        | Suitable O.D. (mm) | Cycle Time | Suitable O.D. (mm) | Cycle TIME |                       |                          |        |              |             |
| Auto Semi-Auto         | 330A/S | 15.88-32x1.4T      | 8 sec / pc | X                  | X          | 760                   | 280                      | 10.13  | 327x95x158   | 2424        |
|                        | 400A/S | 15.88-32x1.4T      | 16 sec/ pc | 25-50x1.4T         | 12 sec/ pc | 760                   | 360                      | 10.13  | 380x110x160  | 3080        |
|                        | 600A/S | 15.88-32x1.4T      | 24 sec/ pc | 25-50x1.4T         | 20 sec/ pc | 800                   | 560                      | 10.13  | 470x120x159  | 4200        |
|                        | 400A/S | 15.88-32x1.4T      | 18 sec/ pc | 40-85x1.4T         | 14 sec/ pc | 760                   | 360                      | 13.88  | 415x143x163  | 4200        |
|                        | 600A/S | 25-50x1.4T         | 20 sec/ pc | 40-85x1.4T         | 16 sec/ pc | 800                   | 560                      | 17.6   | 470x143x163  | 4800        |
| Manual(*)              | 330M   | 32x1.4T            | 8 sec/ pc  | X                  | X          | X                     | 280                      | 7.7    | 132x83x143   | 1730        |
|                        | 400M   | 32x1.4T            | 13 sec/ pc | 50x1.2T            | 10 sec/ pc | 50                    | 360                      | 7.7    | 135x90x145   | 2100        |

備註REMARK: 小徑以不能成為實心為主要限制  
Swaging job not able to execute up to close end (as solid end).

## HT-90-94

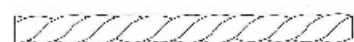
花管機  
ROTARY SWAGING MACHINE



| 機型/MODEL                               | 380F        | 500F        | 500FA       | 800F        | 800FA       | 1000FA      | 1500F       |
|----------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 適用外徑<br>O.D. (mm)                      | 12~38       | 15~50       | 15~50       | 15~80       | 15~80       | 50~100      | 50~100      |
| 機械時間<br>M/C cycle time (sec/pc)        | 8~15        | 8~25        | 25~60       | 25~60       | 35~80       | 40~100      | 40~100      |
| 一次完成管長<br>1 time finishing length (mm) | 300         | 300         | 700         | 300         | 500         | 300         | 350         |
| 動力<br>Horse power (HP)                 | 12 1/4      | 17 1/4      | 23 1/4      | 30 1/4      | 35 1/4      | 35 1/4      | 35 1/4      |
| 機械外型<br>Dimensions (cm)                | 175x160x160 | 185x170x160 | 200x170x160 | 190x185x170 | 210x185x170 | 220x200x175 | 200x220x180 |
| 重量<br>Weight (kg)                      | 3200        | 4200        | 5200        | 6000        | 6800        | 8000        | 8800        |

## HT-90-95

藤管機  
MALACCA MACHINE



| 機型/MODEL                        | 500MF      | 1000MF      |
|---------------------------------|------------|-------------|
| 適用外徑<br>O.D. (mm)               | 9.5~50     | 50~101      |
| 適用管厚<br>Tube thickness (mm)     | 0.5~1.5    | 0.5~1.8     |
| 機械時間<br>M/C cycle time (sec/pc) | 10         | 40          |
| 動力<br>Horse power (HP)          | 7          | 10          |
| 機械外型<br>Dimensions (cm)         | 70x100x110 | 120x120x130 |
| 重量<br>Weight (kg)               | 700        | 1500        |



## HT-10-30T

油壓壓床(80噸) 含側缸/滿油閥  
80T HYDRAULIC PRESS  
W/ SIDE BOOSTER & PREFILL VALVE

| 機型/MODEL                        | HT-10-30T   |
|---------------------------------|-------------|
| 機械時間<br>M/C cycle time (mm/sec) | 200         |
| 動力<br>Horse power (HP)          | 15          |
| 機械外型<br>Dimension (cm)          | 343x246x351 |
| 重量<br>Weight (kg)               | 7010        |



## HT-10-424

手動抽管機(雙抽)  
MANUAL TUBE DRAWING MACHINE (2 STATIONS)

| 機型/MODEL                        | HT-10-424   |
|---------------------------------|-------------|
| 適用外徑<br>O.D. (mm)               | 18-60       |
| 機械時間<br>M/C cycle time (sec/pc) | 30          |
| 抽管後管長<br>Drawing length (mm)    | 200-1000    |
| 動力<br>Horse power (HP)          | 75          |
| 機械外型<br>Dimension (cm)          | 540x320x180 |
| 重量<br>Weight (kg)               | 4500        |



## HT-91-671

液壓機(1200噸)  
HYDROFORMING MACHINE (1200T)

| 機型/MODEL                        | HT-91-671                 |
|---------------------------------|---------------------------|
| 機械時間<br>M/C cycle time (sec/pc) | Depends on product design |
| 動力<br>Horse power (HP)          | 125                       |
| 機械外型<br>Dimension (cm)          | 580x545x585               |
| 重量<br>Weight (kg)               | 110,000                   |

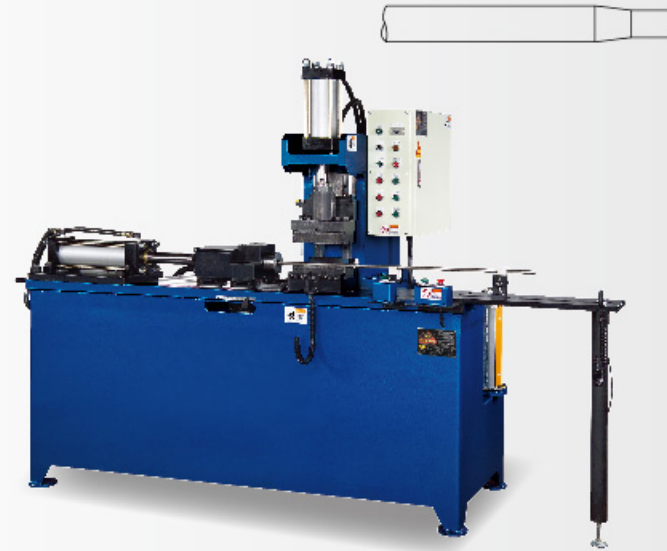


## HT-10-229

管端成型機-單站式

PIPE END FORMING MACHINE - SINGLE STATION

| 機型/MODEL                        | HT-10-229(38) | HT-10-22F(50) | HT-10-22U(65) |
|---------------------------------|---------------|---------------|---------------|
| 適用最大外徑<br>Max. O.D. (mm)        | 38x1.5        | 50x2.0        | 65x2.0        |
| 適用管件長度<br>Length of tube (mm)   | 300~2200      | 300~2200      | 300~2200      |
| 成型行程<br>Forming stroke (mm)     | 150           | 150           | 150           |
| 機械時間<br>M/C cycle time (sec/pc) | 9~15          | 9~15          | 9~15          |
| 動力<br>Horse power (HP)          | 7.5           | 15            | 15            |
| 機械外型<br>Dimensions (cm)         | 255x100x170   | 220x110x170   | 265x160x195   |
| 重量<br>Weight (kg)               | 1000          | 1200          | 2500          |



## HT-10-22D/G

管端成型機-多站式

PIPE END FORMING MACHINE - MULTIPLE STATIONS



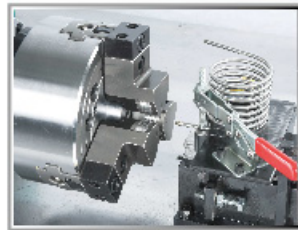
| 機型/MODEL                           | HT-10-22D(38) | HT-10-22G(50)   |
|------------------------------------|---------------|-----------------|
| 適用最大外徑<br>Max. O.D. (mm)           | 38x1.5        | 50x2.0          |
| 機械時間<br>M/C cycle time (sec/pc)    | 6~20          | 15~20           |
| 動力<br>Horse power (HP)             | 7.5           | 15              |
| 控制系統<br>Control                    | Servo Moving  | Cylinder Moving |
| 換模時間<br>Mold exchanging time (min) | 6             | 6               |
| 機械外型<br>Dimensions (cm)            | 150x120x170   | 210x150x175     |
| 重量<br>Weight (kg)                  | 1500          | 2300            |



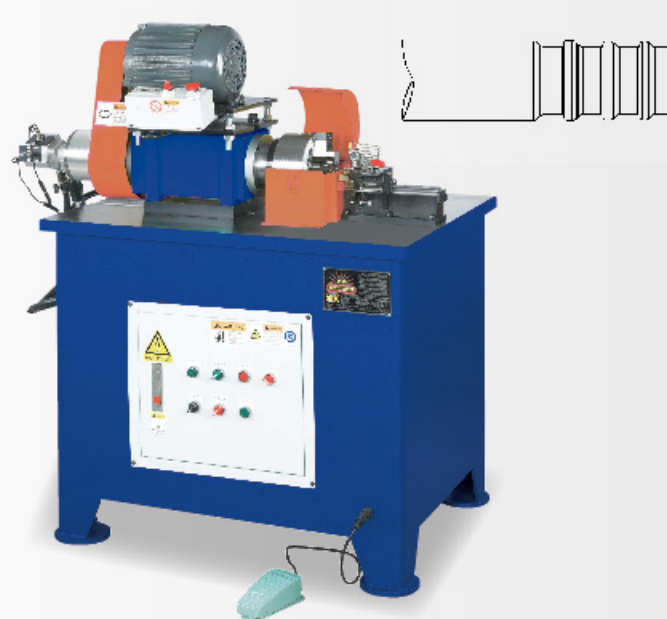
## HT-10-78

旋溝機

PIPE END GROOVING MACHINE



| 機型/MODEL                        | HT-10-780  | HT-10-782   |
|---------------------------------|------------|-------------|
| 適用最大外徑<br>Max. O.D. (mm)        | 10x0.5     | 30x1.0      |
| 動力<br>Horse power (HP)          | 2          | 3           |
| 機械時間<br>M/C cycle time (sec/pc) | 6~8        | 12~14       |
| 機械外型<br>Dimensions (cm)         | 110x75x125 | 140x110x150 |
| 重量<br>Weight (kg)               | 500        | 840         |

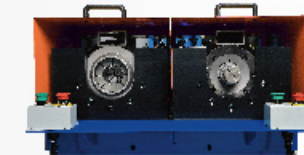
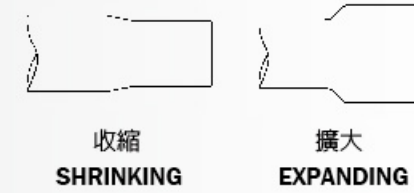


## HT-490-690

雙頭管端成型機

DUAL END FORMING MACHINE

| 機型/MODEL                        | HT-490-690  |
|---------------------------------|-------------|
| 適用外徑<br>O.D. (mm)               | 50.8~76.2   |
| 成型行程<br>Forming stroke (mm)     | 30~75       |
| 機械時間<br>M/C cycle time (sec/pc) | 6~10        |
| 動力<br>Horse power (HP)          | 15          |
| 機械外型<br>Dimensions (cm)         | 175x100x200 |
| 重量<br>Weight (kg)               | 1400        |



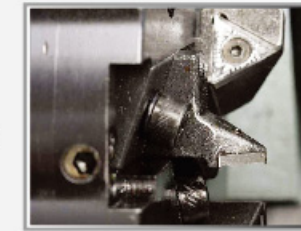
收縮 SHRINKING 擴大 EXPANDING



## HT-90-06

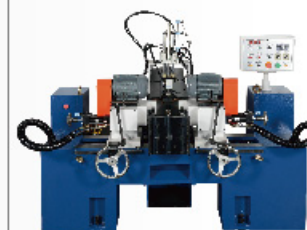
單頭鐵管內外角倒角機

PIPE END CHAMFERING MACHINE



| 機型/MODEL                           | 50 TYPE   | 80 TYPE    | 155 TYPE   | 305 TYPE    |
|------------------------------------|-----------|------------|------------|-------------|
| 適用外徑<br>O.D. (mm)                  | 12.7~50.8 | 6~80       | 40~155     | 105~305     |
| 適用最大管厚<br>Max. wall thickness (mm) | 3.5       | 2          | 8          | 20          |
| 適用實心館<br>Capacity, solid bar (mm)  | 6~12.7    | --         | 16~155     | --          |
| 動力<br>Horse power (HP)             | 2         | 2          | 3          | 4           |
| 機械外型<br>Dimensions (cm)            | 70x70x105 | 104x78x151 | 110x82x130 | 145x230x168 |
| 重量<br>Weight (kg)                  | 120       | 450        | 550        | 1950        |

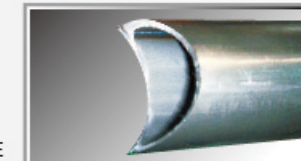
雙頭倒角機 (規格另洽)  
OPTION: DOUBLE ENDS  
CHAMFERING M/C



## HT-90-206

管端沖圓弧機

PIPE END NOTCHING MACHINE



| 機型/MODEL                           | HT-90-20C   | HT-90-206   | HT-90-208   |
|------------------------------------|-------------|-------------|-------------|
| 適用最大外徑<br>Max. O.D. (mm)           | 38          | 50          | 80          |
| 適用最大管厚<br>Max. wall thickness (mm) | 1.6         | 2           | 3.5         |
| 適用管件長度<br>Length of tube (mm)      | 180~1000    | 180~1000    | 180~1200    |
| 可調整角度<br>Adjustable angle (°)      | 0~180       | 0~180       | 65~180      |
| 機械時間<br>M/C cycle time (sec/pc)    | 6           | 6           | 8           |
| 動力<br>Horse power (HP)             | 7.5         | 7.5         | 15          |
| 機械外型<br>Dimensions (cm)            | 150x180x170 | 155x200x170 | 265x200x200 |
| 重量<br>Weight (kg)                  | 1000        | 1200        | 2800        |



## SB-05

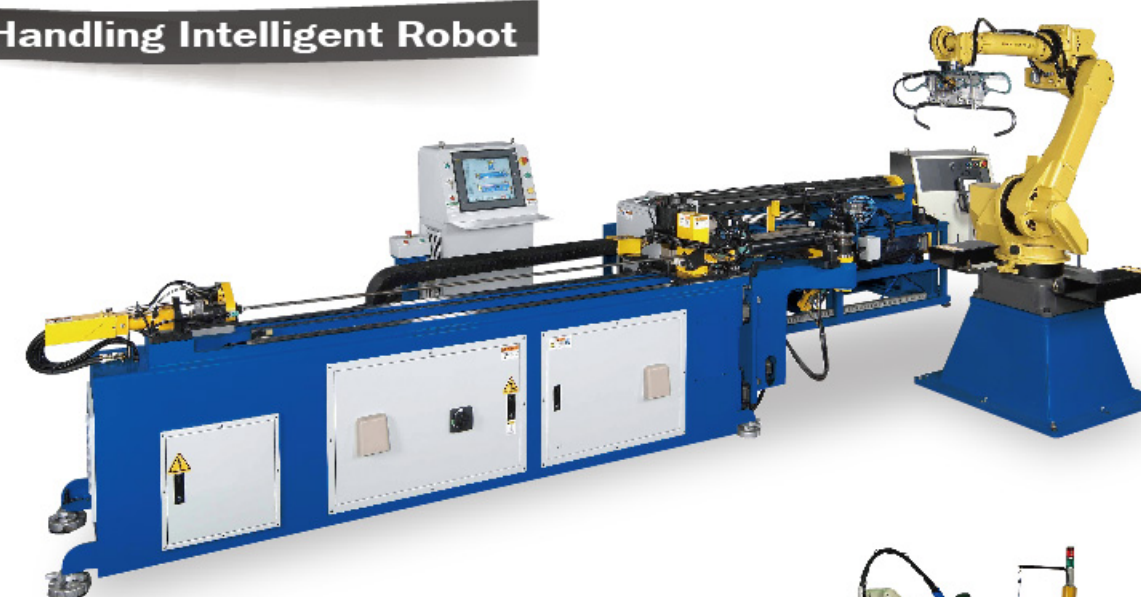
銅管彎管機  
SMALL ANGLE BENDER

| 機型/MODEL                           | SB-05       |
|------------------------------------|-------------|
| 適用最大外徑<br>Max. bending O.D. (mm)   | 15.8x0.7    |
| 彎曲最大半徑<br>Max. bending radius (mm) | 10~19       |
| 彎曲最大角度<br>Max. bending angle (°)   | 182°        |
| 彎曲精度<br>Bending accuracy (°)       | ±0.5°       |
| 穿心軸長度<br>Length of mandrel (mm)    | 175         |
| 彎曲速度<br>Bending speed (°/sec)      | 150         |
| 動力<br>Horse power (HP)             | 9           |
| 機械外型<br>Dimensions (cm)            | 773x122x170 |
| 重量<br>Weight (kg)                  | 3040        |

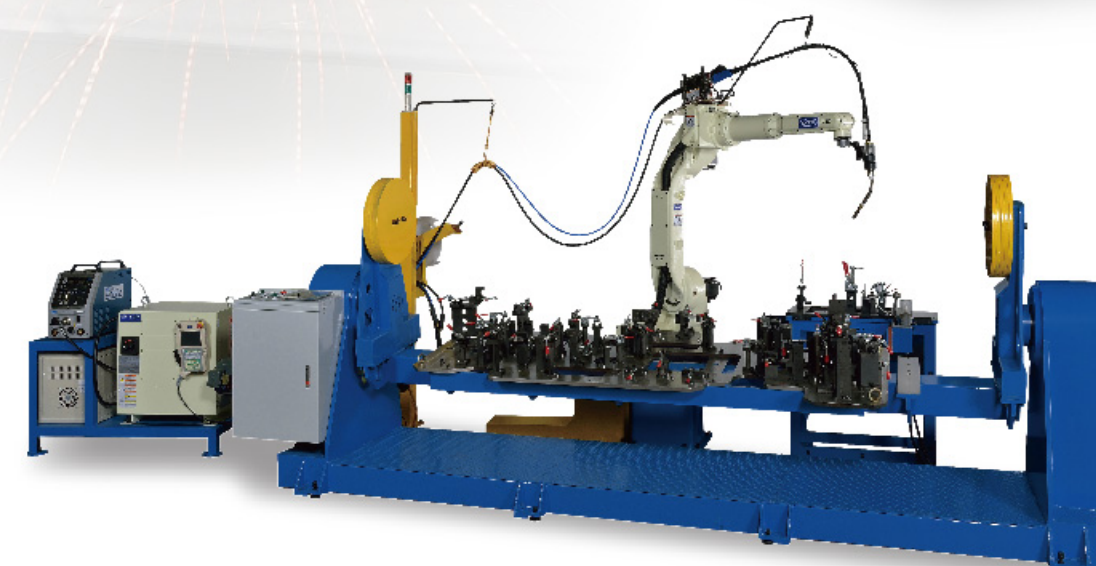


## AUTO CELL

### Handling Intelligent Robot



### Welding Intelligent Robot



## HT-91-710

銅管整直輪斷機  
COIL PIPE STRAIGHTENING AND  
CUTTING MACHINE

| 機型/MODEL                              | HT-91-710     |
|---------------------------------------|---------------|
| 適用最大外徑<br>Max. O.D. (mm)              | 15.8          |
| 適用裁切長度<br>Suitable cutting length(mm) | 250-3000      |
| 動力<br>Horse power (HP)                | 2             |
| 機械外型<br>Dimensions (cm)               | 1080x100x1750 |
| 重量<br>Weight (kg)                     | 2900          |



## 7AB2000

腳架彎曲. 沖孔. 沖R機  
AUTO BENDING, ENDS NOTCHING AND  
HOLE PUNCHING MACHINE

| 機型/MODEL                         | 7AB2000     |
|----------------------------------|-------------|
| 適用最大外徑<br>Max. bending O.D. (mm) | 12.7        |
| 動力<br>Horse power (HP)           | 7.5         |
| 機械外型<br>Dimensions (cm)          | 400X220X190 |
| 重量<br>Weight (kg)                | 5000        |

