

NC ISO 9002 認證
CE MARK 安全標誌

PIPE BENDER

單彎 NC 系列



dm DELAHENTY MACHINERY PTY. LTD.
Machine Tool Merchants

14 Parkhurst Drive Knoxfield Victoria Australia 3180
Tel: (03) 9800 1544 Fax: (03) 9800 1344
www.delahenty.com.au



穎霖機械工業股份有限公司

YING LIN MACHINE INDUSTRIAL COMPANY LIMITED

廠址：台南縣永康工業區環工路46號

No.46, Hwan-Gong Rd., Yung-Kang Industrial District, Tainan Hsien Taiwan, R.O.C.

Tel: 886-6-2335281 . 2335288 . 2335271 Fax: 886-6-2335291 . 2335341

E-mail: a2213168@ms14.hinet.net internet: <http://www.yinglin.com.tw>

單彎管機 SINGLE-BEND PIPE BENDING MACHINE

NC單彎管機特點

- 機種均採用油壓閥積體迴路，動作個別控制使油壓零件壽命超長。
- 三段式迴路，能兼具冷卻沈澱等作用，更能使油壓油不產生變質。
- 大型機種裝配有手動可調式數位流量調節閥，可控制進彎之速度。
- 進退彎採慢速定位，使其角度定位更為精確。
- 可設多種角度，相互輪流彎曲，而省略搬運麻煩。
- 同時兼具手動、自動功能，並附有緊急停止裝置。
- 主軸經特殊處理，機件經嚴格品檢，品質上等規格統一化，落實ISO9002及CE安規精度品檢。
- 可選擇是否通蕊。
- 快速換模，直徑模軸心設計靈活使最小彎曲半徑值不會受限制。
- 可提供各類型彎管技術200m/m以下規格齊全。
- 非技術人員也能迅速的加入生產行列。

FEATURES

- ADOPTING SOLENOID VALVE AND INTEGRATED CIRCUIT TO CONTROL INDIVIDUAL MOTION SEPARATELY. EXTENDING THE LIFE OF THE HYDRAULIC SYSTEM PARTS.
- THREE STEP HYDRAULIC OIL FLOW SYSTEM COMBINES THE FUNCTIONS OF COOLING, SEDIMENTATION AND PREVENTING DETERIORATION.
- LARGE TYRE BENDING MACHINE IS EQUIPPED WITH MANUAL HYDRAULIC ADJUSTING VALVE TO CONTROL THE SPEED OF BENDING MOTION. (THIS FEATURE CAN BE ADDED TO SMALL MACHINE PER REQUEST).
- BENDING MOTION IS CONTROLLED BY LOW SPEED POSITIONING DEVICE TO INCREASE THE ACCURACY OF DESIRED BENDING ANGLES.
- VARIOUS ANGLES CAN BE SELECTED TO CREATE MULTIPLE BENDING SEQUENCE. ELIMINATING THE MATERIAL LOADING/UN-LOADING TIME, THE USAGE OF A SEPARATE MACHINE, AND ACCUMULATING ADDITIONAL LABOR COST.
- BOTH MANUAL AND AUTOMATIC OPERATION ARE AVAILABLE AND ALL MACHINES ARE EQUIPPED WITH EMERGENCY STOP DEVICE.
- THE MAIN SHAFT IS SPECIALLY HEAT TREATED. ALL PARTS ARE



NC38S



NC38SQ



NC44TSQ

NC觸控

- 採用6吋灰作極為簡便。
- 採用高效率最高可儲存定20個不同。
- 進彎角度厚度為±0.1。
- 導模有輔助反復進退短。
- 故障自動偵別機械。
- 採用高效率機械穩定。
- 可外接數位軟體升級利便日後的。
- 進彎當中件加工後。
- 可依各種動作不同。
- 資料可儲在加電池以。

NC按鍵

- 使用高效率同類機種。
- 可設定99。
- 最多可設定。
- 進彎角度厚度為±0.1。
- 採用高效率機械穩定。
- 可依各種動作不同。
- 資料可儲在。

NC經濟

- 本機型是升級與傳不必複雜更簡便。
- 控制方式迅速簡便。
- 採用高效率機械穩定。
- 可採用1-4。
- 畫面採用器。

式螢幕

者觸控式螢幕，操
的PLC架構，程式
50組每組程式可設
角度。
用encoder其解析

推動功能同時具備
能可使導模長度縮

測功能使用者容易
障原因檢修方便。
SSR控制元件，使
能提高。

機，能用數據線路
顯示機械狀況以方
護連繫工作。

二段式退磁，使工
為美觀。

質管件，設定各種
時間參數。

三年以上，並可外
資料儲存更久。

式

晶片穩定性高於

組程式，每個程式
9個不同角度。

用encoder其解析

SSR控制元件，使
能提高。

質管件設定各種動
時間參數。

三年以上。

型

般傳統電路控制
電路不同使用者
操作，使用者操作
性化而設計。

用直接控制，操作

SSR控制元件，使
高。

固角度。

字型LED 8位顯示

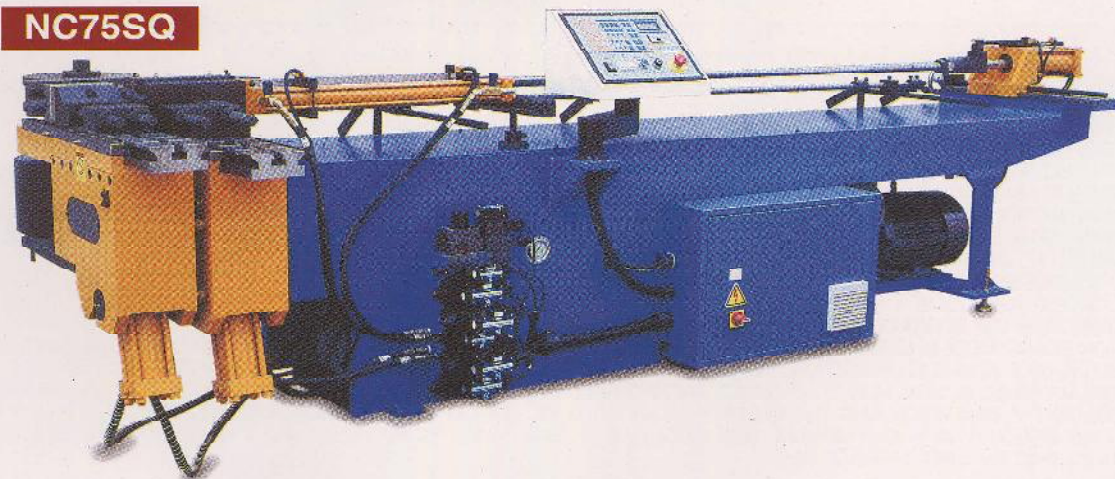
CR50SQ



NC50SQ



NC75SQ



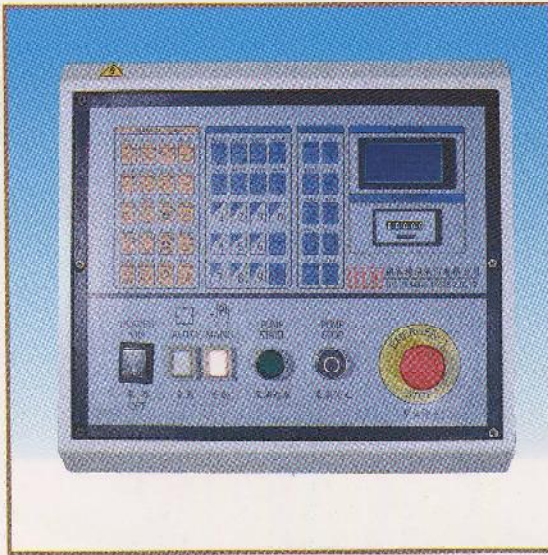
TESTED AND ASSEMBLED WITH STRICT QUALITY CONTROL TO MEET THE SPECIFICATION OF ISO 9002 AND CE STANDARD.

- BASED ON THE TUBE DIAMETER, WALL THICKNESS AND BENDING RADIUS, MACHINE OPERATOR MAY SELECT TO BEND PARTS WITH OR WITHOUT A MANDREL.
- THE REMOVABLE AXLE AND EASY TOOL CHANGING DESIGN ALLOWS NO LIMITATION ON THE MINIMAL BENDING RADIUS.
- THE RANGE OF MAXIMUM AND MINIMUM BENDING ANGLE CAN BE INCREASED OR DECREASED BASED ON CUSTOMER'S REQUIREMENT.
- WE CAN SUPPLY WIDE RANGE OF BENDING MACHINES CAPABLE OF BENDING PIPES UP TO 203MM (8" DIAMETER).
- SIMPLE TO READ AND USER FRIENDLY FUNCTIONS ALLOW NON-TECHNICIAN AND NEW OPERATOR TO JOIN PRODUCTION FORCE RAPIDLY.

**NC TOUCH SCREEN TYPE
NC觸控式螢幕(TSQ)**



**NC PUSH BOTTOM PANEL TYPE
NC按鍵式(SQ)**



**TRADITIONAL ECONOMY TYPE
經濟型(S)(SQ)**



TYPE	管徑*壁厚(mm) O.D.*Wall	彎曲半徑 Range of Radius(mm)	彎曲角度 Range of Bending Angle	馬力 Horse Power	總長度 Total Length	總寬度 Total Width	高度 Total Height	重量 Total Weight	彎曲速度 Range of Bending Speed	角度 設定 Angle
NC-38S	38*2.5	10~350	0°~210°	5HP	1500mm	700mm	1000mm	700kg	90° 3~4秒/sec	9
CR-38S										4
NC-38TS										20
NC-38SQ	38*2.5	10~350	0°~210°	5HP	2400mm	700mm	1000mm	900kg	90° 3~4秒/sec	9
CR-38SQ										4
NC-38TSQ										20
NC-44SQ	45*2.5	10~250	0°~210°	5HP	2400mm	800mm	1000mm	1100kg	90° 3~4秒/sec	9
CR-44SQ										4
NC-44TSQ										20
NC-50SQ	60*4	20~450	0°~190°	10HP	4100mm	1250mm	1350mm	2000kg	90° 5~6秒/sec	9
CR-50SQ										4
NC-50TSQ										20
NC-75SQ	80*5	30~450	0°~190°	15HP	4100mm	1300mm	1350mm	2800kg	90° 7~8秒/sec	9
CR-75SQ										4
NC-75TSQ										20
NC-100SQ	100*6	40~450	0°~190°	25HP	4800mm	1400mm	1380mm	3600kg	90° 10~12秒/sec	9
CR-100SQ										4
NC-100TSQ										20
NC-130SQ	130*7	55~450	0°~190°	35HP	5200mm	1600mm	1400mm	3900kg	90° 12~14秒/sec	9
CR-130SQ										4
NC-130TSQ										20
NC-160SQ	165*8	70~450	0°~190°	40HP	5200mm	1700mm	1400mm	4800kg	90° 13~16秒/sec	9
CR-160SQ										4
NC-160TSQ										20
NC-200SQ	215*10	85~450	0°~190°	50HP	5600mm	1700mm	1400mm	6600kg	90° 15~18秒/sec	9
CR-200SQ										4
NC-200TSQ										20

NC TOUCH SCREEN TYPE

- 6" GREY MODE DISPLAY TOUCH SCREEN SIMPLIFIES THE MACHINE OPERATION AND FUNCTION SELECTION.
- CONTROLLED BY HIGH EFFICIENT PLC BASE, CAN STORED UP TO 50 SETS OF BENDING SEQUENCE. EACH WITH MAXIMUM OF 20 DIFFERENT BENDING ANGLES.
- BENDING MOTION IS SENSED AND CALCULATED BY JAPANESE MADE MICRO ENCODER, THE ANGLE TOLERANCE IS ± 0.1 .
- THE PRESSURE DIE IS USED TO SUPPORT THE BENDING MOTION, AND HAS THE RPPFAT FORWARDING AND RETRACTION FUNCTION TO MINIMIZE THE DIE LENGTH.
- THE COMPUTER SYSTEM CAN AUTOMATICALLY DETECT AND PINPOINT MALFUNCTIONING SOURCE AND ALLOW OPERATOR TO INSPECT OR CORRECT PROBLEMS.
- UTILIZING THE SSR CONTROL SYSTEM, THE BENDING MACHINE IS MORE STABLE AND EFFICIENT.
- T1 IC ON BOARD MODEM CAN DIAL UP TO LINK WITH YING LIN FACTORY COMPUTER FOR SOFTWARE UPGRADE OR ON LINE MAINTENANCE AND BUG DETECTION.
- 2 STEP MANDREL RETRACTION TO PRODUCE AND PERFECT FINISHED PRODUCT.
- BASED ON THE DIMENSION AND THICKNESS OF WORKING TUBE, OPERATOR CAN SET DELAYED TIMING AFTER EACH MOTION
- ALL PROGRAMMED DATA AND BENDING SEQUENCE CAN BE SAVED AND STORED FOR OVER 3 YEARS. INSTALLING ADDITIONAL BATTERY MAY PROLONG THE DATA STORAGE TIME.

NC PUSH BOTTOM PANEL TYPE

- PROCESSED BY ADVANCE IC CHIP. MORE EFFICIENT AND PRECISE THAN COMPETITOR'S SIMILAR MODEL MACHINE.
- UP TO 999 BENDING SEQUENCE CAN BE PROGRAMMED, EACH WITH MAXIMUM OF 9 DIFFERENT BENDING ANGLES.
- BENDING MOTION IS SET AND CALCULATED BY JAPANESE MADE MICRO ENCODER, THE ANGLE TOLERANCE IS ± 0.1 .
- UTILIZING THE SSR CONTROL SYSTEM, THE BENDING MACHINE IS MORE STABLE AND EFFICIENT.
- BASED ON THE DIMENSION AND THICKNESS OF WORKING TUBE, OPERATOR CAN SET DELAYED TIMING AFTER EACH MOTION.
- ALL PROGRAMMED DATA AND BENDING SEQUENCE CAN BE SAVED AND STORED FOR OVER 3 YEARS.

NC TRADITIONAL ECONOMY TYPE

- THIS TYPE OF MACHINE IS CONTROLLED BY ADVANCED AND UPGRADED FACTORIAL CIRCUIT BOARD WHICH IS DIFFERENT THAN TRADITIONAL CIRCUIT CONTROL. IT IS SIMPLE AND HUMAN FRIENDLY FOR MACHINE OPERATOR.
- DIRECT PUSH BOTTOMS AND SWITCHES FOR QUICK AND EASY OPERATION.
- UTILIZING THE SSR CONTROL SYSTEM. THE BENDING MACHINE IS MORE STABLE AND EFFICIENT.
- BENDING ANGLE CAN BE PRE-SET FROM 1~4 ANGLES.
- INPUT DATA IS SHOWED BY 8 DIGIT LED DISPLAY.