

**NC** ISO 9001 認證  
CE MARK 安全標誌

# PIPE BENDER

## 單彎 NC 系列



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# 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，能兼具冷卻沉澱等作用，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ISO9001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，管徑203mm以下規格齊全。
- 非技術人員也能迅速的加入生產行列。

## FEATURES

- THE MACHINE ADOPTING SOLENOID VALVE AND INTEGRATED CIRCUIT TO CONTROL INDIVIDUAL BENDING MOTION SEPARATELY, WHICH CAN BE EXTEND THE LIFE OF THE HYDRAULIC PARTS.
- THREE STEPS HYDRAULIC OIL FLOW GOES THE FUNCTION OF COOLING SYSTEM TO PREVENT OIL DETERIORATION.
- LARGE MODEL BENDING MACHINE IS EQUIPPED WITH MANUAL HYDRAULIC ADJUSTING VALVE TO CONTROL THE SPEED OF BENDING MOTION.
- BENDING MOTION IS CONTROLLED BY LOW SPEED POSITIONING DEVICE TO OBTAIN THE ACCURACY OF BENDING ANGLES.
- VARIOUS ANGLES CAN BE PROGRAMMED TO WORK MULTIPLE BENDING SEQUENCE. ELIMINATING TUBE MATERIAL FEEDING/LOADING TIME.
- 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 TESTED AND ASSEMBLED WITH STRICT QUALITY CONTROL TO MEET THE SPECIFICATION OF ISO 9001 AND CE STANDARD.

### CR38S



### CR50SQ



### NC38TSQ



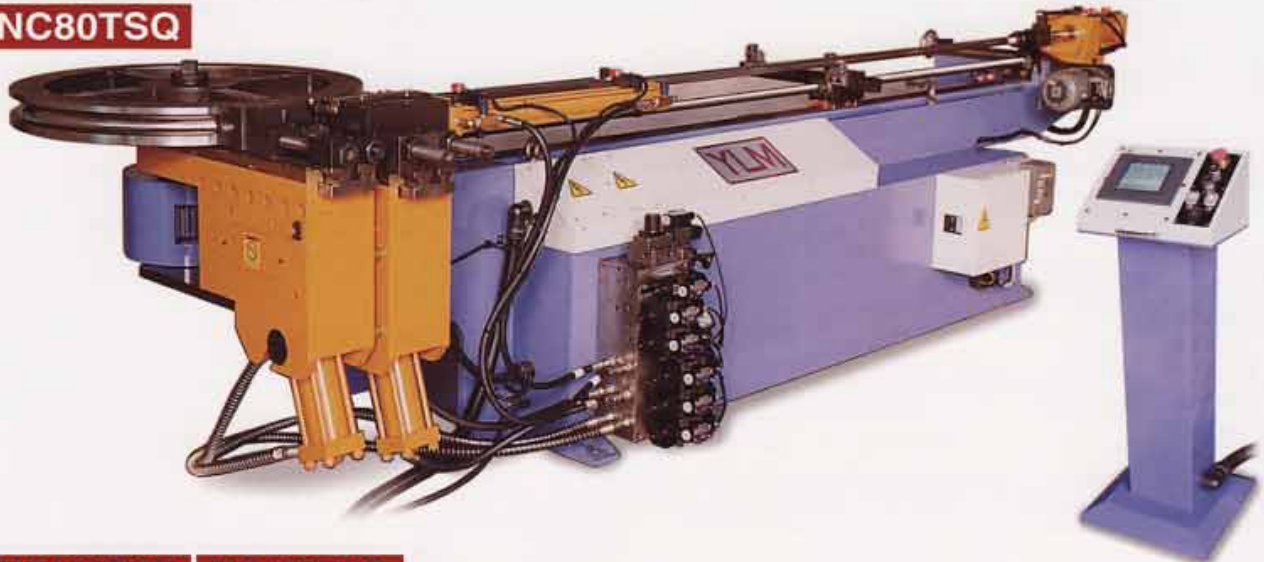
### NC44TSQ



**NC50TSQ**



**NC80TSQ**



**NC130TSQ | NC100TSQ**



- BASED ON THE TUBE DIAMETER, WALL THICKNESS AND BENDING RADIUS, MACHINE OPERATOR MAY SELECT TO BENDING APPLICATION WITH OR WITHOUT MANDREL.
- THE BENDING-DIE SPINDLE IS SOLID ONE, WILL EASY HAVE TOOLING CHANGING, PROVIDES THE MINIMUM BENDING RADIUS 1-1.5DR.
- WE CAN SUPPLY WIDE RANGE OF BENDING MACHINES CAPABLE OF BENDING TUBE O.D. UP TO 203MM (8" DIAMETER) . TUBE WALL THICKNESS UP TO 10 M/M.
- SIMPLE TO WORK AND USER FRIENDLY FUNCTIONS ALLOW NON-TECHNICIAN AND NEW OPERATOR TO JOINT PRODUCTION FORCE RAPIDLY.

## NC MODE TOUCH SCREEN NC觸控式螢幕(TSQ)



## CONVENTION MODEL CONTROL PANEL 控制版面(CR系列)



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

### NC MODE TOUCH SCREEN

- 6" GREY MODE DISPLAY TOUCH SCREEN SIMPLIFIES THE MACHINE OPERATION AND FUNCTION SELECTION.
- CONTROLLED BY HIGH EFFICIENT PLC BASE, CAN STORED UP TO 200 PROGRAM OF BENDING SEQUENCE, EACH WITH MAXIMUM OF 20 DIFFERENT BENDING ANGLES.
- BENDING MOTION IS CONTROLLED BY JAPANESE MADE MICRO ENCODER, THE ANGLE TOLERANCE IS  $\pm 0.1$ .
- THE PRESSURE DIE PROVIDES BOOSTER AND REPETITION FUNCTIONS, EASY TO WORK FOR ALL KIND OF APPLICATIONS WITHOUT INTERFERENCE.
- THE COMPUTER SYSTEM CAN AUTOMATICALLY DETECT SHORTLY MALFUNCTIONING POINT TO ALLOW OPERATOR TO SOLVE PROBLEMS.
- UTILIZING THE SSR CONTROL SYSTEM, THE BENDING MACHINE IS MORE STABLE AND EFFICIENT.
- THE 2-STEP MANDREL RETRACTION WILL PRODUCE AND PERFECT FINISHED PRODUCT.
- BASED ON THE TUBE DIAMETER AND WALL THICKNESS OF APPLICATIONS, OPERATOR CAN SET A DELAYED TIMING AFTER BENDING TO OBTAIN A WELL TUBE FORMING.
- ALL PROGRAMMED DATA AND BENDING PROGRAM CAN BE STORED FOR OVER 2 YEARS. INSTALLING ADDITIONAL BATTERY MAY INCREASE THE DATA STORAGE TIME.

### CONVENTION MODEL CONTROL PANEL

- THIS TYPE OF MACHINE IS CONTROLLED BY ADVANCED AND UPGRADED ELECTRICAL CIRCUIT BOARD. IT IS SIMPLE AND HUMAN FRIENDLY FOR MACHINE OPERATOR.
- 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.