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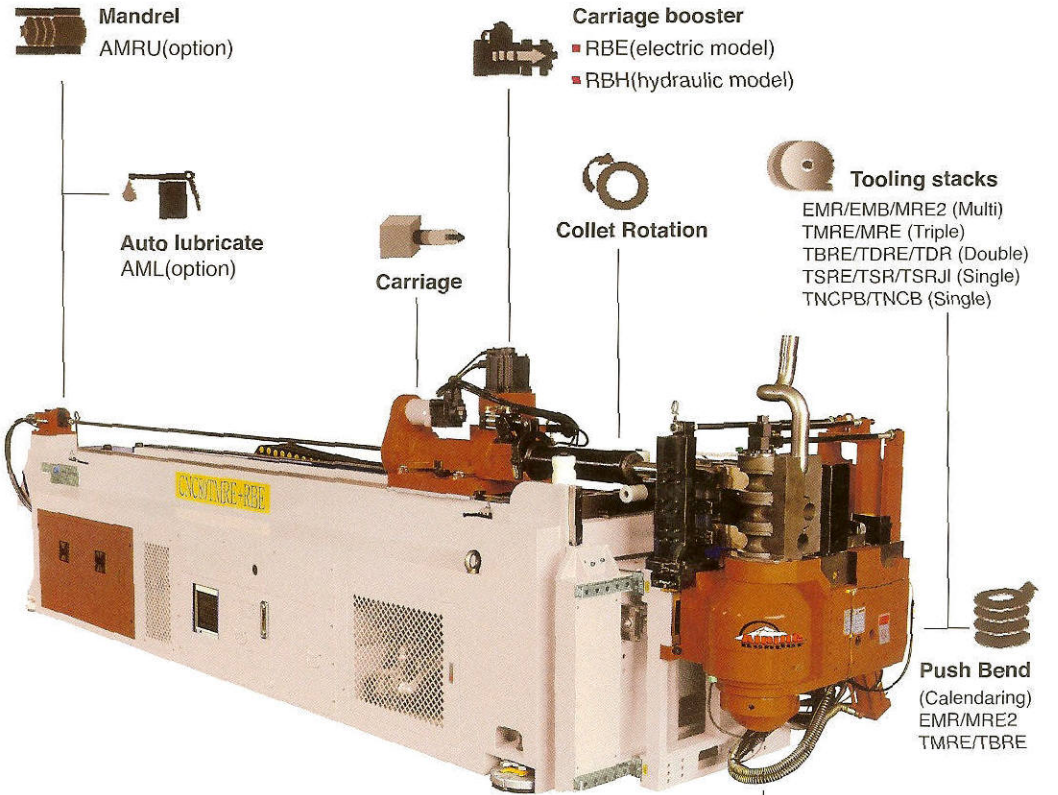
Quality • Service • Innovation

CNC Tube Pipe Bender

All Electric, Electric Hybrid, Hydraulic, NC



Machine cross reference



IPC+PLC
Master III dual control system

CNC

Machine reference
www.AlpineBender.com

All Electric Models EMR/EMB Series-Multi Stack



>> **CNC-15EMB**



>> **CNC-30EMR**

■ EMR/EMB.ALL ELECTRIC LEFT & RIGHT CNC BENDER

SPECIFICATION	UNIT	15EMB	30EMR	45EMR	75EMB	75EMR	80MRE2
MAX. TUBE O.D.	mm	15 X 1.5	30 X 2.0	45 X 1.6	76.2 X 2.0	76.2 X 2.0	80 X 2.0
	inch	0.59 X 0.059	1.18 X 0.079	1.77 X 0.063	3 X 0.079	3 X 0.079	3.15 X .079
MAX. BENDING RADIUS	mm	10 - 55	15 - 90	30 - 180	40 - 230	40 - 230	40 - 230
	inch	0.393 X 2.16	0.059 - 3.54	1.18 - 7.08	1.57 X 9.05	1.57 X 9.05	1.57 X 9.05
MAX. LENGTH OVER MANDREL	mm	1000	2800	3000	3000	3000	3000
	inch	39.37	110.20	118.10	118.10	118.10	118.10
OVERALL L X W X H	mm	2700 X 800 X 1400	3600 X 800 X 1300	4100 X 900 X 1300	5000 X 1500 X 2000	5000 X 1500 X 2000	5000 X 1500 X 2000
	inch	106.3 X 31.4 X 55.1	141.73 X 31.5 X 51.18	161.41 X 35.43 X 51.18	216.5 X 59.1 X 78.74	216.5 X 59.1 X 78.74	216.5 X 59.1 X 78.74
TOTAL WEIGHT	kg	1400	1400	2000	7000	7000	7000
	lbs	2080	3080	4400	15400	15400	15400



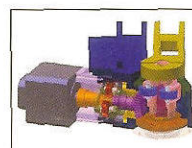
Standard feature:



<Push Bending
(calendaring)

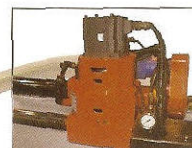


<IPC+PLC
Master III controller



< Planetary Gear Drive

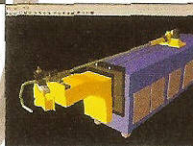
3-D Preview >



< RBE-Electric
Carriage Booster
(65 and up model)

Upgrade Equipment:

Dynamic Visual >
Simulation



EMR/EMB/MRE2 series are fully electric CNC mandrel benders with 3-D graphics programming.

■ Special features:

- Single rotary bend head for left and right hand bending in one machine
- Up to 14 axis servo driven controls
- RBE - Electric carriage booster for difficult or tight radius bending
- Push bend rolling (calendaring)
- Patented planetary gear drive achieve 95 % energy efficiency
- Advanced user friendly touch screen IPC with Win XP operating system and dynamic machine visual simulation.

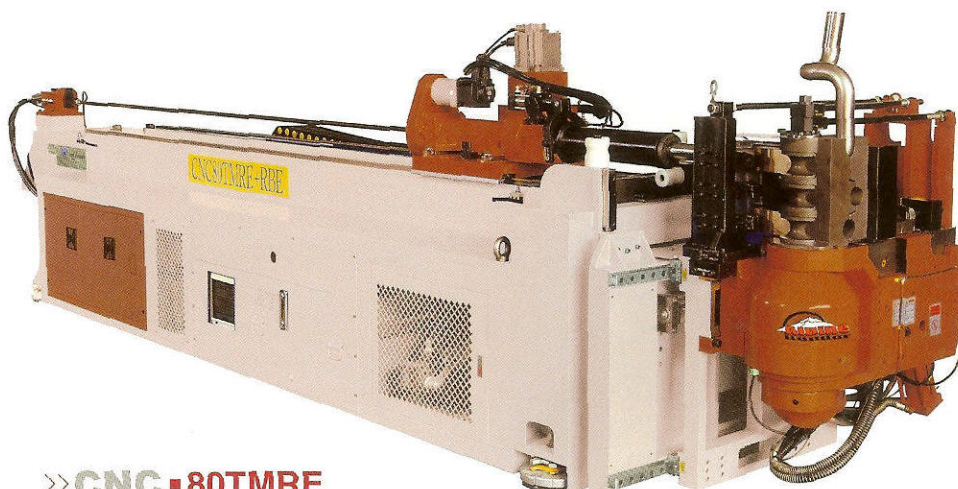
Advantages:

- Clean, energy efficient and quiet work environment
- Increased flexibility and productivity
- Superior controllability and repeatability
- No mechanical adjustments
- Minimal Interference
- Reduced programming and set up time

Electric Hybrid TMRE Series-Triple Stack



>>CNC-38TMRE



>>CNC-80TMRE

- 1) TMRE Series is touch screen control and triple stack tooling design with 4 Axes Y,B,C,X(bend head horizontal shifting for tool change) driven by A/C servo motor MRE Series is upgrade model with 5 Axes Y,B,C,X,Z (vertical shifting) driven by A/C servo motor.
- 2) Combines rotary draw bending and push bending (calendaring) in same tool stack.
- 3) Electric-driven rotary draw bending arm performs with high accuracy, durability and less electricity consumption.
- 4) Planetary gears in bend head provide speed reduction and high torque transmission.

■ TMRE:DRAW & PUSH-BENDING (3 OR MORE STACKS)

SPECIFICATION	UNIT	30TMRE	38TMRE	50TMRE	65TMRE	80TMRE	100TMRE
MAX. TUBE O.D.	mm	30 X 2.0	38.1 X 1.8	50.8 X 2.0	65 X 2.0	80 X 2.5	100 X 3.0
	inch	1.18 X .078	1.5 X .071	2 X .079	2.56 X .079	3.15 X .0984	4.0X 0.118
MAX. BENDING RADIUS	mm	15 - 120	25 - 150	30 - 220	35 - 250	40 - 280	45 - 350
	inch	0.59 X 4.72	0.98 X 4.72	1.18 - 8.66	1.38 - 9.84	1.57 - 1.10	1.77 - 13.78
MAX. LENGTH OVER MANDREL	mm	2800	3200	3200	3200	4000	4000
	inch	110.2	126.0	126.0	126.0	157.5	157.5
OVERALL L X W X H	mm	4400 X 800 X 1350	5200 X 900 X 1400	5300 X 900 X 1500	5850 X 1150 X 1450	6700 X 1450 X 1750	7050 X 1550 X 1850
	inch	173.2 X 31.5 X 53.1	204.7 X 35.4 X 55.1	208.6 X 35.4 X 59.0	230.3 X 45.2 X 57.0	263.8 X 57.1 X 68.9	277.5 X 61.0 X 72.8
TOTAL WEIGHT	kg	1700	2600	3600	4600	6100	7500
	lbs	3740	5720	7920	10120	13420	16500

Electric Hybrid

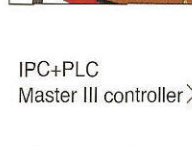
TBRE Series-Double Stack



Standard feature:



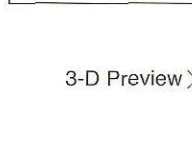
< Push Bending
(calendarling)



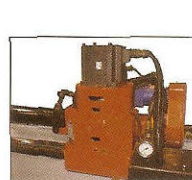
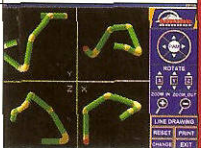
IPC+PLC
Master III controller >



< Planetary Gear Drive

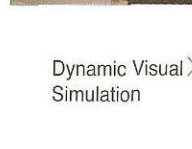


3-D Preview >

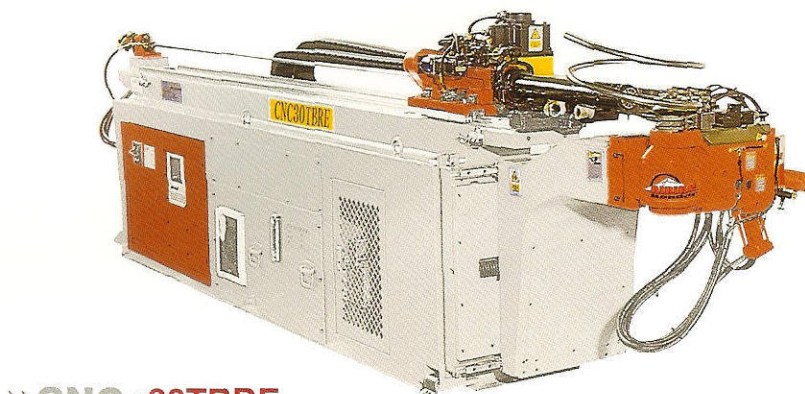
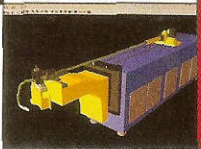


Upgrade option:

< RBE-Electric
Carriage Booster
(65 and up model)



Dynamic Visual
Simulation



>>CNC 30TBRE



>>CNC 65TBRE

- 1) TBRE Series is touch screen control and double stack tooling design with 4 Axes Y,B,C,X(bend head horizontal shifting for tool change) driven by A/C servo motor
- 2) Combines rotary draw bending and push bending (calendarling) in same tool stack
- 3) Electric-driven rotary draw bending arm performs with high accuracy, durability and less electricity consumption
- 4) Planetary gears in bend head provide speed reduction and high torque transmission

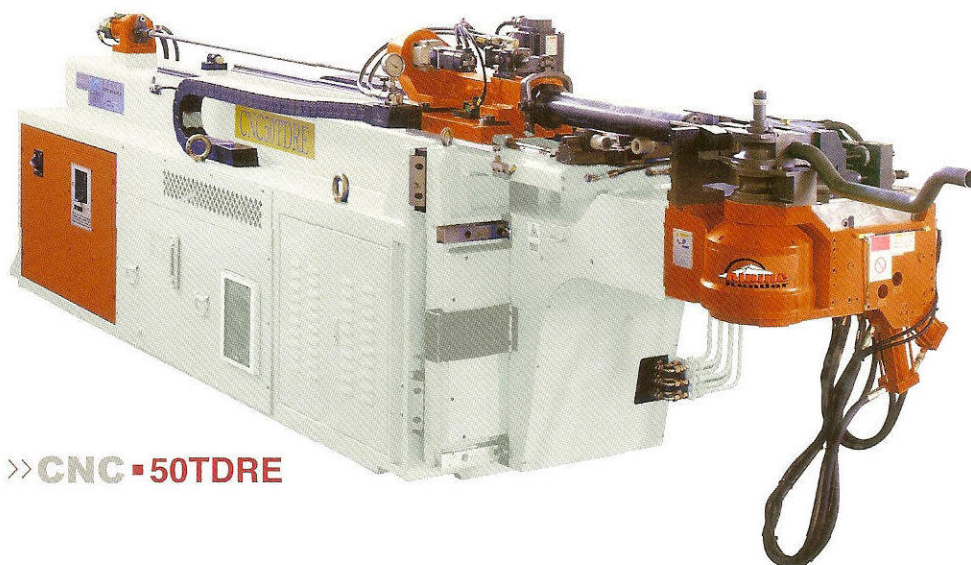
■ TBRE: DRAW-BENDING & PUSH BENDING

SPECIFICATION	UNIT	30TBRE	38TBRE	50TBRE	65TBRE	80TBRE	100TBRE
MAX. TUBE O.D.	mm	30 X 2.0	38.1 X 1.8	50.8 X 2.0	65 X 2.0	80 X 2.5	100 X 3.0
	inch	1.18 X .078	1.5 X .071	2 X .079	2.56 X .079	3.15 X .0984	4.0X 0.118
MAX. BENDING RADIUS	mm	15 - 120	25 - 150	30 - 220	35 - 250	40 - 280	45 - 350
	inch	0.59 X 4.72	0.98 X 4.72	1.18 - 8.66	1.38 - 9.84	1.57 - 1.10	1.77 - 13.78
MAX. LENGTH OVER MANDREL	mm	2800	3200	3200	2500	3000	4000
	inch	110.2	126.0	126.0	98.4	118.1	157.5
OVERALL L X W X H	mm	4400 X 800 X 1350	5200 X 900 X 1400	5300 X 900 X 1500	5850 X 1150 X 1450	6700 X 1450 X 1750	7050 X 1550 X 1850
	inch	173.2 X 31.5 X 53.1	204.7 X 35.4 X 55.1	208.6 X 35.4 X 59.0	230.3 X 45.2 X 57.0	263.8 X 57.1 X 68.9	277.5 X 61.0 X 72.8
TOTAL WEIGHT	kg	1600	2500	3500	4500	6000	7500
	lbs	3520	5500	7700	9900	13200	16500

Electric Hybrid TDRE Series-Double Stack



>>CNC-38TDRE



>>CNC-50TDRE

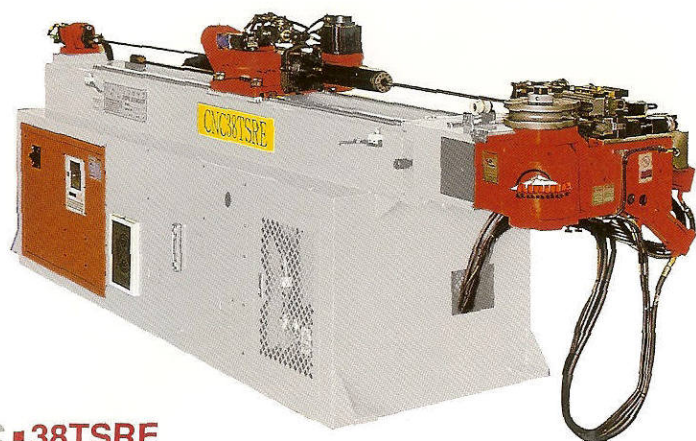
- 1) TDRE Series is touch screen control and double stack tooling design with 4 Axes Y,B,C,X(bend head horizontal shifting for tool change) driven by A/C servo motor.
- 2) Combines two different radii rotary draw bending in same tool stack.
- 3) Electric-driven rotary draw bending arm performs with high accuracy, durability and less electricity consumption.
- 4) Planetary gears in bend head provide speed reduction and high torque transmission.

■ TDRE:TOUCH SCREEN DOUBLE RACII

SPECIFICATION	UNIT	18TDRE	30TDRE	38TDRE	50TDRE	65TDRE	80TSRE	100TDRE
MAX. TUBE O.D.	mm	18 X 1.6	30 X 2.0	38.1X 1.8	50.8 X 2.0	65 X 2.0	80 X 2.5	100 X 3.0
	inch	0.71 X .062	1.18 X .078	1.5 X .071	2 X .079	2.56 X .079	3.15 X .0984	4.0X 0.118
MAX. BENDING RADIUS	mm	10 - 80	5 - 120	25 - 150	30 - 220	35 - 250	40 - 280	45 - 350
	inch	0.39 X 3.15	0.59 X 4.72	0.98 X 4.72	1.18 - 8.66	1.38 - 9.84	1.57 - 1.10	1.77 - 13.78
MAX. LENGTH OVER MANDREL	mm	1200	2000	2200	2200	2500	3000	4000
	inch	47.24	78.74	86.61	86.61	98.43	118.11	157.48
OVERALL L X W X H	mm	2850 X 800 X 1200	3600 X 800 X 1300	4100 X 900 X 1300	4300 X 900 X 1350	5000 X 1150 X 1350	6700 X 1200 X 1750	7050 X 1550 X 1750
	inch	112.2 X 31.5 X 47.2	141.7 X 31.5 X 51.2	161.4 X 35.4 X 51.2	169.2 X 35.43 X 53.15	196.8 X 45. X 53.2	263.8 X 47.2 X 68.9	277.6 X 61.0 X 68.9
TOTAL WEIGHT	kg	850	1400	2000	2900	3800	5600	7500
	lbs	1870	3080	4400	6380	8360	12320	16500

Electric Hybrid

TSRE Series-Single Stack



>> **CNC 38TSRE**



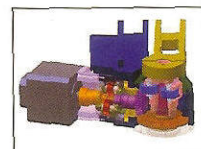
>> **CNC 65TSRE**

Standard feature:



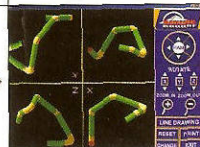
< Push Bending
(calendering)

IPC+PLC
Master III controller >



< Planetary Gear Drive

3-D Preview >

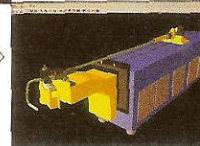


Upgrade option:



< RBE-Electric
Carriage Booster
(65 and up model)

Dynamic Visual
Simulation



- 1) TSRE Series is touch screen control and single stack tooling design with 3 Axes Y (feeding), B (rotation), C (bending) driven by A/C servo motor.
- 2) Electric-driven rotary draw bending arm performs with high accuracy, durability and less electricity consumption.
- 3) Planetary gears in bend head provide speed reduction and high torque transmission.

TSRE: TOUCH SCREEN SINGLE RADIUS

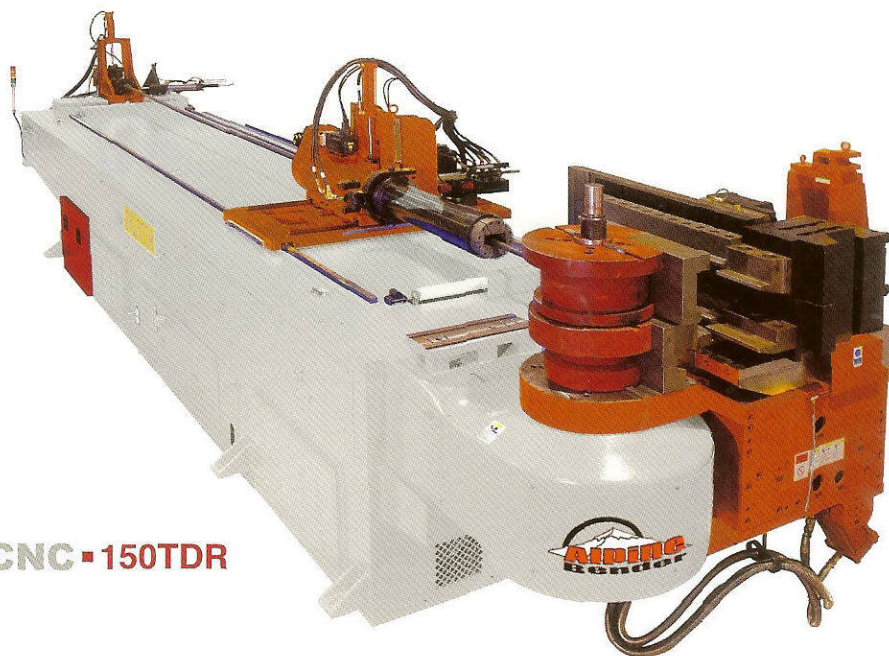
SPECIFICATION	UNIT	18TSRE	30TSRE	38TSRE	50TSRE	65TSRE	80TSRE	100TSRE
MAX. TUBE O.D.	mm	18 X 1.6	30 X 2.0	38.1 X 1.8	50.8 X 2.0	65 X 2.0	80 X 2.5	100 X 3.0
	inch	0.71 X .062	1.18 X .078	1.5 X .071	2 X .079	2.56 X .079	3.15 X .0984	4.0 X 0.118
MAX. BENDING RADIUS	mm	10 - 80	15 - 120	25 - 150	30 - 220	35 - 250	40 - 280	45 - 350
	inch	0.39 X 3.15	0.59 X 4.72	0.98 X 4.72	1.18 - 8.66	1.38 - 9.84	1.57 - 1.10	1.77 - 13.78
MAX. LENGTH OVER MANDREL	mm	1200	2000	2200	2200	2500	3000	4000
	inch	47.24	78.74	86.61	86.61	98.43	118.11	157.48
OVERALL L X W X H	mm	2850 X 800 X 1200	3600 X 800 X 1300	4100 X 900 X 1300	4300 X 900 X 1350	5000 X 1150 X 1350	6700 X 1200 X 1750	7050 X 1550 X 1750
	inch	112.2 X 31.5 X 47.2	141.7 X 31.5 X 51.2	161.4 X 35.4 X 51.2	169.2 X 35.43 X 53.15	196.8 X 45. X 53.2	263.8 X 47.2 X 68.9	277.6 X 61.0 X 68.9
TOTAL WEIGHT	kg	850	1400	2000	2900	3800	5600	7500
	lbs	1870	3080	4400	6380	8360	12320	16500

Hydraulic Bender

TDR Series-Double Stack



>>CNC-65TDR



>>CNC-150TDR

- 1) TDR Series is touch screen control and double stack tooling design.
Y (feeding) and B (rotation) axis driven by A/C servo motor with
C (bending) axis driven by proportional hydraulic system
- 2) Combines two different radii rotary draw bending in same tool stack
- 3) Excellent performance on accuracy, durability and suitable for high production manufacturing

■ TDR: TOUCH SCREEN DOUBLE RADII

SPECIFICATION	UNIT	38TDR	50TDR	65TDR	80TDR	100TDR	120TDR	150TDR
MAX. TUBE O.D.	mm	38.1 X 3.0	50.8 X 3.0	65 X 3.0	80 X 4.5	101.6 X 5.5	120 X 5.5	152.4 X 7.0
	inch	1.5 X .118	2 X .118	2.56 X .118	3.15 X .177	4 X .216	4.7 X .216	6 X .275
MAX. BENDING RADIUS	mm	25 - 150	30 - 220	35 - 250	40 - 250	60 - 400	80 - 450	90 - 500
	inch	0.98 - 5.91	1.18 - 8.66	1.39 - 9.84	1.57 X 9.84	2.36 - 15.75	3.15 - 17.71	3.54 - 19.69
MAX. LENGTH OVER MANDREL	mm	2200	2200	2500	3000	3600	5000	6000
	inch	86.6	86.6	98.4	118.1	141.7	196.9	236.2
OVERALL L X W X H	mm	4000 X 1100 X 1300	4200 X 1200 X 1350	4800 X 1500 X 1600	5600 X 1700 X 1600	7000 X 1700 X 1800	8000 X 1800 X 1600	10200 X 2310 X 2300
	inch	157.4 X 43.3 X 51.1	165.3 X 47.2 X 53.1	188.9 X 59.1 X 62.9	220.4 X 66.9 X 62.9	275.5 X 66.9 X 70.8	314.9 X 70.8 X 62.9	401.5 X 90.9 X 90.5
TOTAL WEIGHT	kg	1700	2800	3500	5000	6000	7500	10000
	lbs	3740	6160	7700	11000	13200	16500	22000

Hydraulic Bender

TSR Series-Single Stack



>> **CNC-38TSR**



>> **CNC-80TSR**



>> **CNC-120TSR**



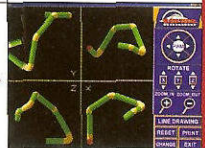
Standard feature:

Hydraulic Bend > Head



< IPC+PLC Master III controller

3-D Preview >

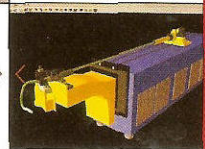


Upgrade Option:



< RBH-Hydraulic Carriage Booster (For 65 and up model)

Dynamic Visual > Simulation



1) TSR Series is touch screen control and single stack tooling design. Y (feeding) and B (rotation) axis driven by A/C servo motor with C (bending) axis driven by proportional hydraulic system.

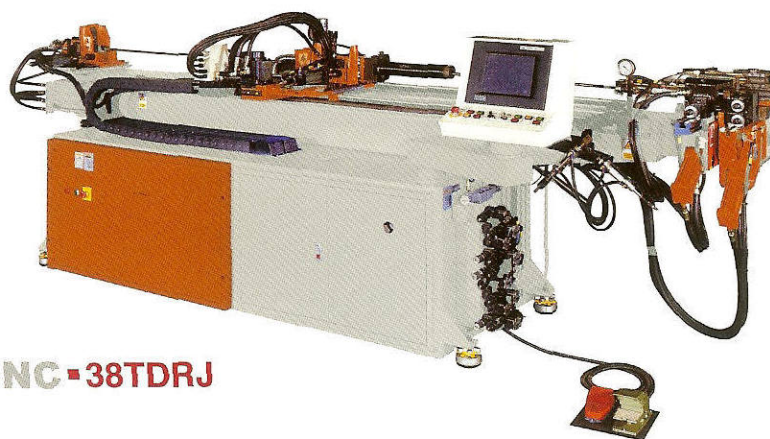
2) Excellent performance on accuracy, durability and suitable for high production manufacturing.

■ TSR:TOUCH SCREEN SINGLE RADIUS

SPECIFICATION	UNIT	38TSR	50TSR	65TSR	80TSR	100TSR	120TSR	150TSR
MAX. TUBE O.D.	mm	38.1 X 3.0	50.8 X 3.0	65 X 3.0	80 X 4.5	101.6 X 5.5	120 X 5.5	152.4 X 7.0
	inch	1.5 X .118	2 X .118	2.56 X .118	3.15 X .177	4 X .216	4.7 X .216	6 X .275
MAX. BENDING RADIUS	mm	25 - 150	30 - 220	35 - 250	40 - 250	60 - 400	80 - 450	90 - 500
	inch	0.98 - 5.91	1.18 - 8.66	1.39 - 9.84	1.57 X 9.84	2.36 - 15.75	3.15 - 17.71	3.54 - 19.69
MAX. LENGTH OVER MANDREL	mm	2200	2200	2500	3000	3600	5000	6000
	inch	86.6	86.6	98.4	118.1	141.7	196.9	236.2
OVERALL L X W X H	mm	3700 X 1100 X 1300	4030 X 1200 X 1350	4800 X 1400 X 1350	5500 X 1500 X 1500	6500 X 1600 X 1550	8000 X 1800 X 1600	9000 X 2100 X 1700
	inch	145.6 X 43.3 X 51.1	158.6 X 47.2 X 53.1	188.9 X 55.1 X 53.1	216.5 X 59.1 X 59.1	255.9 X 62.9 X 61.0	314.9 X 70.8 X 62.9	354.3 X 82.6 X 66.9
TOTAL WEIGHT	kg	1400	2500	3000	4000	6000	8000	9500
	lbs	35560	63500	76200	101600	152400	203200	241300

3-axis Hydraulic Bender

Affordable TSRJ-TDRJ Series



>>CNC-38TDRJ



>>CNC-80TDRJ

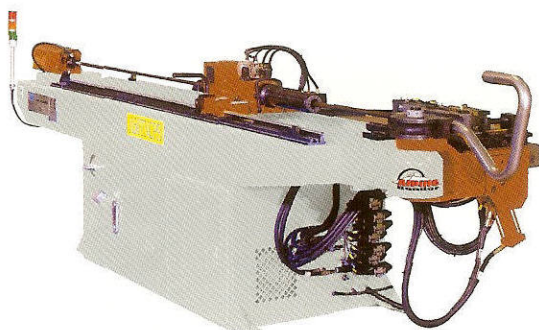
- 1) TSRJ Series is touch screen PLC control with single stack tooling design.
Y (feeding) and B (rotation) axis driven by A/C servo motor with C (bending) axis driven by hydraulic system
TDRJ Series is touch screen PLC control with double stack tooling design.
Y (feeding) and B (rotation) axis driven by A/C servo motor with C (bending) axis driven by hydraulic system
- 2) Economic and affordable model with excellent accuracy and durability.
Suitable for high production manufacturing

■ TSRJ/TDRJ:ECONOMIC & AFFORDABLE TUBE BENDERS

SPECIFICATION	UNIT	38TSRJ	50TSRJ	65TSRJ	80TSRJ	38TDRJ	50TDRJ	65TDRJ
MAX. TUBE O.D.	mm	38.1 X 3.0	50.8 X 3.0	65 X 3.0	80 X 4.5	38.1 X 3.0	50.8 X 3.0	65 X 3.0
	inch	1.5 X .118	2 X .118	2.56 X .118	3.15 X .177	1.5 X .118	2 X .118	2.56 X .118
MAX. BENDING RADIUS	mm	25 - 150	30 - 220	35 - 250	40 - 250	25 - 150	30 - 220	35 - 250
	inch	0.98 - 5.91	1.18 - 8.66	1.39 - 9.84	1.57 X 9.85	0.98 - 5.91	1.18 - 8.66	1.38 X 9.84
MAX. LENGTH OVER MANDREL	mm	2200	2200	2500	3000	2200	2200	2500
	inch	86.6	86.6	98.4	118.1	86.6	86.6	98.4
OVERALL L X W X H	mm	3700 X 1100 X 1300	4030 X 1200 X 1350	4800 X 1400 X 1350	5500 X 1500 X 1500	4000 X 1100 X 1300	4200 X 1200 X 1350	4800 X 1500 X 1600
	inch	145.6 X 43.3 X 51.1	158.6 X 47.2 X 53.1	188.9 X 55.1 X 53.1	216.5 X 59.0 X 59.0	157.4 X 43.3 X 51.1	165.3 X 47.2 X 53.1	188.9 X 59.0 X 63.0
TOTAL WEIGHT	kg	1400	2500	3000	4000	1700	2800	3500
	lbs	3080	5500	6600	8800	3740	6160	7700

2-axis Hydraulic Bender

TNCPB Series-Single Stack



>> **A-50TNCPB**



>> **A-75TNCPB**



>> **A-100TNCPB**

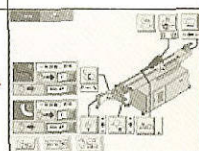
Standard feature:

Hydraulic Bend >
Head



< PLC
Master I controller

Black & White >
Touch Screen



Options:



< Over Head
The Bar(s)

Remote Controller >



■ TNCPB:TWO AXIS PLC CONTROL

SPECIFICATION	UNIT	A50TNCPB	A75TNCPB	A89TNCPB	A100TNCPB
MAX. TUBE O.D.	mm	50.8 X 3.0	76.2 X 3.0	88.9 X 4.0	101.6 X 5.0
	inch	2 X .118	3 X .118	3.5 X .157	4 X .217
MAX. BENDING RADIUS	mm	30 - 230	40 - 260	50 - 300	60 - 400
	inch	1.18 - 9.0	1.57 X 10.2	1.96 - 11.8	2.36 - 15.7
MAX. LENGTH OVER MANDREL	mm	2100	2400	2600	3600
	inch	82.7	94.5	102.4	141.7
OVERALL L X W X H	mm	3750 X 1000 X 1250	4300 X 1200 X 1200	5200 X 1350 X 1350	6400 X 1600 X 1500
	inch	147.6 X 39.3 X 49.2	169.2 X 47.2 X 47.2	205.1 X 53.1 X 53.1	251.9 X 62.9 X 59.0
TOTAL WEIGHT	kg	1400	1900	3500	5000
	lbs	3080	4180	7700	11000

- 1) TNCPB Series is touch screen PLC control and single stack tooling design with B (rotation) axis driven by A/C servo motor, C (bending) axis driven by hydraulic system Y (feeding) axis is manual operated with adjustable DBB stops.
- 2) Easy to operate and equipped with true Drop Away Clamping System.
- 3) Economic and affordable. Servo driven B axis it also provides great accuracy, and TNCPB series is suitable for sizeable production run and prototype.

Single-axis Hydraulic Bender TNCB Series-Single Stack



>>A ■ 38TNCB



>>A ■ 89TNCB



>>A ■ 120TNCB

- 1) TNCB Series is touch screen PLC control and single stack tooling design
B (rotation) axis is manually operated
Y (feeding) axis is manually operated with option of 4 position
DBB flip stops
C (bending) axis is hydraulic driven system
- 2) Hydraulic Pressure Die Assist (PDA) with flow control and air cooling system are standard
- 3) Multi-bend data storage memory facilitates easy operation
- 4) Economic and affordable with great accuracy. TNCB series is suitable for simple bending production run or prototype

■ TNCB:SINGLE AXIS NC CONTROL

SPECIFICATION	UNIT	A38TNCB	A50TNCB	A75TNCB	A89TNCB	A100TNCB
MAX. TUBE O.D.	mm	38.1 X 3.0	50.8 X 3.0	76.2 X 3.0	88.9 X 4.0	101.6 X 5.5
	inch	1.5 X .118	2 X .118	3 X .118	3.5 X .157	4 X .217
MAX. BENDING RADIUS	mm	25 - 170	30 - 300	40 - 300	40 - 350	60 - 400
	inch	0.98 - 6.6	1.18 - 11.81	1.57 - 11.81	1.57 - 13.77	2.3 - 15.7
MAX. LENGTH OVER MANDREL	mm	1900	2200	2600	2600	3600
	inch	74.8	86.6	102.4	102.4	141.7
OVERALL L X W X H	mm	2600 X 900 X 110	3000 X 900 X 1200	3600 X 1200 X 1200	3700 X 1200 X 1200	4800 X 1500 X 1400
	inch	102.4 X 35.4 X 43.3	118.1 X 35.4 X 47.2	141.7 X 47.2 X 47.2	145.7 X 47.2 X 47.2	188.9 X 59.1 X 55.1
TOTAL WEIGHT	kg	850	950	1900	2200	4500
	lbs	1870	2090	4180	4840	9900



>> **A-168TNCB**



>> **A-75TNCB-CBF**



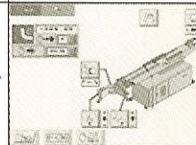
Standard feature:

Hydraulic Bend >
Head



< PLC
Master I controller

Black & White >
Touch Screen



Options:



< Tube Drop away
Clamp & Overhead
Tie Bar(s)

CBF-Pressure die >
Clamping Booster



■ **TNCB:SINGLE AXIS NC CONTROL**

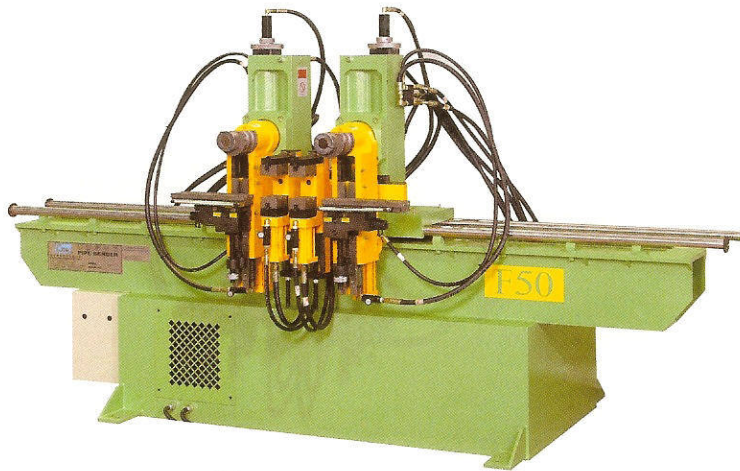
SPECIFICATION	UNIT	A120TNCB	A150TNCB	A180TNCB	A220TNCB
MAX. TUBE O.D.	mm	127 X 5.5	152.4 X 7.0	180 X 7.0	220 X 7.0
	inch	5 X .217	6 X .275	7 X .275	8.6 X .275
MAX. BENDING RADIUS	mm	80 - 500	90 - 550	100 - 600	120 - 880
	inch	3.15 - 19.68	3.5 - 21.6	3.93 - 23.6	4.72 - 34.6
MAX. LENGTH OVER MANDREL	mm	5200	6000	6000	6000
	inch	204.7	236.2	236.2	236.2
OVERALL L X W X H	mm	7000 X 1700 X 1600	8100 X 2100 X 1700	8100 X 2300 X 1700	10000 X 2300 X 1900
	inch	275.5 X 66.9 X 63.0	318.8 X 82.6 X 66.9	318.8 X 90.6 X 66.9	393.7 X 90.6 X 74.8
TOTAL WEIGHT	kgs	7200	9000	9800	16500
	lbs	15840	19800	21560	36300



F-series

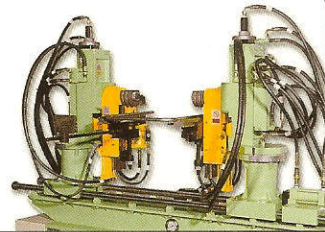


>>F-38



>>F-50

Enlargement



F38-90 allows bend head 90 degree rotation (In-plane and Out-plane)

- 1) F-Series Twin head compression bender is suitable for symmetric bend parts
- 2) Tube compression system use crank-link system, touch and very strong compression force to ensure high bending quality
- 3) Rapid movement of 2 bend heads with excellent locking power to avoid slipping during the bend.

■ F SERIES.TWIN HEAD COMPRESSION BENDING NC CONTROL

SPECIFICATION	UNIT	F38	F50	F38-90	F50-90
MAX. TUBE O.D.	mm	38 X 2.5	50 X 1.6	38 X 2.5	50 X 1.6
	inch	1.5 X 0.098	2 X 0.063	1.5 X 0.098	2 X 0.063
MAX. BENDING RADIUS	mm	38 - 180	40 - 250	38 - 180	40 - 250
	inch	0.98 - 6.6	1.57 X 9.84	0.98 - 6.6	1.57 X 9.84
MULTI TUBE BENDING - OD 3/4"	pc	3~4	4~5	3~4	4~5
MULTI TUBE BENDING - OD 7/8"	pc	2~3	3~4	2~3	3~4
MULTI TUBE BENDING - OD 1"	pc	1~2	2~3	1~2	2~3
MULTI TUBE BENDING - OD 1-1/2"	pc	1	1~2	1	1~2
OVERALL L X W X H	mm	1900 X1000 X1500	2800 X 1400 X1800	1900 X1000 X1500	2800 X 1400 X1800
	inch	174.8 X 39.4 X 59.1	110.2 X 55.1 X 70.9	174.8 X 39.4 X 59.1	110.2 X 55.1 X 70.9
TOTAL WEIGHT	kgs	1000	1800	1000	1800
	lbs	2200	3960	2200	3960