

***Dishaa***<sup>®</sup>

NC/CNC PIPE BENDING MACHINE

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## NC Pipe Bending Machine



DMP 168/219/325/400 NC



### Mechanical Characteristics

The microcomputer control is adopted with strong functions, high extensibility, English subtitles and dialogue-based operation, easy to learn and understand. Set speed by segmentation with high precision of elbow pipes. The sixteenth level elbow pipe data setting and storage, and remarkably smooth assembly of work pieces of many angles. The functions of reloading with auxiliary shoving and slowly returning the core can be achieved. The thin-wall pipes can be bent and manufactured. Extensively used in large ship building and repair, boiler, petroleum pipeline and auto spare parts.

	DMP168NC	DMP219NC	DMP325NC	DMP400NC
Min bending R for carbon pipe is:1.5D	ø168x14.0t	ø219x18.0t	ø325x20.0t	ø400x22.0t
Min bending R for S.S pipe is:1.5D	ø135x10.0t	ø168x10.0t	ø275x12.0t	ø325x14.0t
Availability length of bending pipe	3600mm	4000mm	4500mm	4500mm
Max R for bending	550mm	700mm	1000mm	1150mm
Max angle for bending	185°	185°	185°	185°
Bending process for every pipe	16	16	16	16
Oil pressure	14mpa	14mpa	14mpa	14mpa
Electrical motor power	30kw	45kw	55kw	55/75kw
Weight	12000kg	18000kg	21000kg	27000kg
Size (LxWxH) (cm)	630x250x130	690x225x175	720x230x180	730x230x185





DMPNCBL

### Mechanical Characteristics

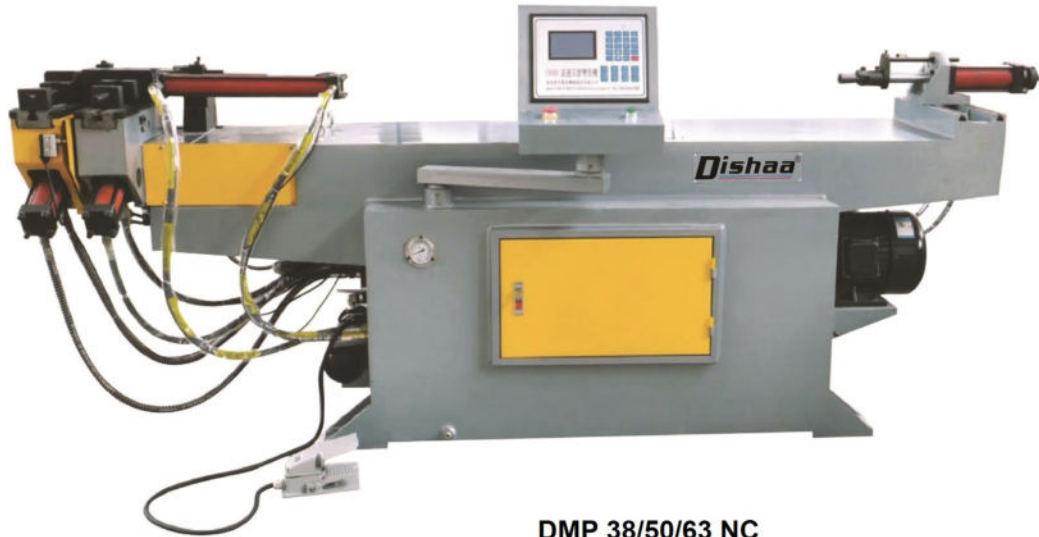
Adopt PLC+ touch screen control imported from Taiwan and Chinese-English subtitles with easy operation. Adopt servo motor imported from Japan + Taiwan reduction gears, accurately segment precision, set speed of elbow pipe with its high precision. The angle of elbow pipe can be set for many times in the sixteenth level elbow pipe data setting and storage. The thin-wall pipes can be bent and manufactured. Adopt manual feeding materials, set the length of feeding materials with limited block, and automatically adjust the pipe angle, with accurate precision and extremely high cost performance.

	DMP38NCBL	DMP50NCBL	DMP63NCBL	DMP75NCBL	DMP89NCBL	DMP115NCBL	DMP130NCBL	DMP168NCBL
Min bending R for carbon pipe is:1.5D	ø38.1x2.0t	ø50.8x2.0t	ø63.5x2.1t	ø76.2x2.5t	ø88.9x3.0t	ø115x6.0t	ø130x8.0t	ø168x10t
Min bending R for S.S pipe is:1.5D	ø31.7x1.5t	ø34x2.2t	ø38x2.0t	ø51x2.0t	ø57x2t	ø89x2.0t	ø102x3.5t	ø133x6t
Manual feed distance	2100mm	2200mm	2200mm	2200mm	2500mm	2700mm	2800mm	4500mm
*Max R for bending	175mm	200mm	200mm	300mm	300mm	500mm	500mm	550mm
*Max angle for bending	185°	185°	185°	185°	185°	185°	185°	185°
Bending process for every pipe	16	16	16	16	16	16	16	8
Oil pressure	12mpa	14mpa	14mpa	14mpa	14mpa	14mpa	14mpa	14mpa
Electrical motor power	4kw	5.5kw	5.5kw	7.5kw	11kw	22kw	22kw	30kw
Weight	1150kg	1500kg	1600kg	2700kg	2850kg	8000kg	11000kg	12500kg
Size (LxWxH) ( cm )	380x100x130	390x80x140	410x90x130	450x90x120	480x118x130	530x160x140	540x180x140	630x250x130

\*Can be customized



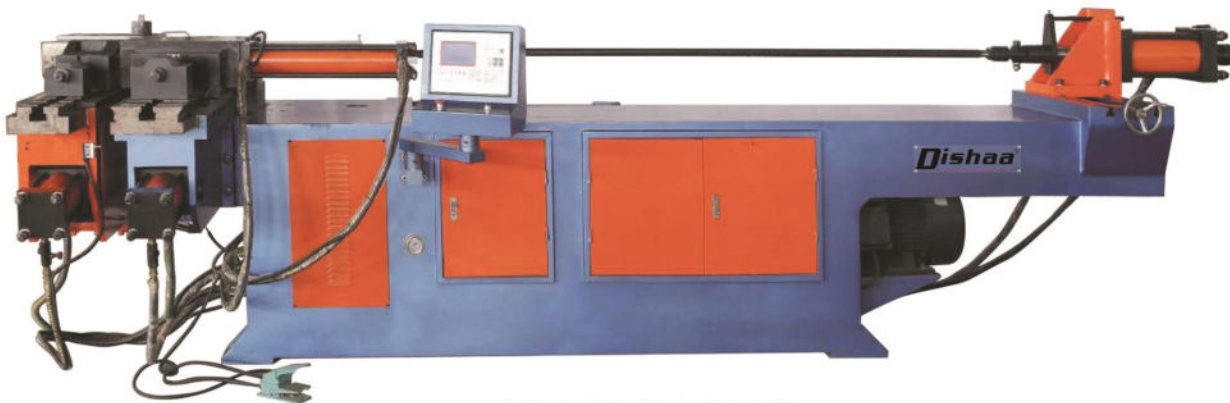
## NC Pipe Bending Machine



**DMP 38/50/63 NC**

	DMP25NC	DMP38NC	DMP50NC	DMP63NC
Min bending R for carbon pipe is:1.5D	ø25.1x1.5t	ø38.1x2.0t	ø50.8x2.0t	ø63.5x2.5t
Min bending R for S.S pipe is:1.5D	ø22.1x1.5t	ø31.75x1.5t	ø35x2.2t	ø38x2.0t
Availability length of bending pipe	1450mm	1800mm	2200mm	3100mm
Max R for bending	90mm	175mm	200mm	220mm
Max angle for bending	185°	185°	185°	185°
Bending process for every pipe	16	16	16	16
Oil pressure	12mpa	14mpa	14mpa	14mpa
Electrical motor power	3kw	4kw	5.5kw	5.5kw
Weight	850kg	1200kg	1350kg	1500kg
Size	230x70x110	260x73x123	310x75x120	320x80x130





**DMP 75/89/115/130 NC**

# NC PIPE BENDING

	DMP75NC	DMP89NC	DMP115NC	DMP130NC
Min bending R for carbon pipe is:1.5D	ø76.2x3.0t	ø88.9x3.0t	ø115x6.0t	ø130x8.0t
Min bending R for S.S pipe is:1.5D	ø51x2t	ø57x2t	ø88.9x2.0t	ø102x3.0t
Availability length of bending pipe	3100mm	3500mm	3600mm	3700mm
Max R for bending	280mm	300mm	500mm	500mm
Max angle for bending	185°	185°	185°	185°
Bending process for every pipe	16	16	16	16
Oil pressure	14mpa	14mpa	14mpa	14mpa
Electrical motor power	7.5kw	11kw	22kw	22kw
Weight	2500kg	3050kg	7000kg	8500kg
Size (LxWxH) ( cm )	450x110x150	480x120x130	530x160x140	540x180x140



## CNC Pipe Bending Machine

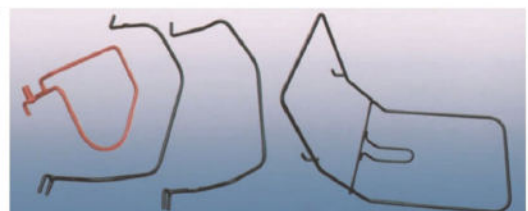
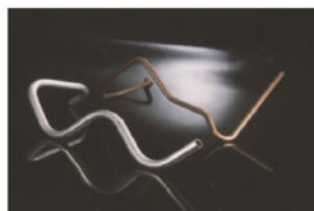


**DMP25CNC-2A-1S**  
25/38/50/63/75/89/115/130/168/219/325

### Properties

Automatic identification of dynamic characteristics of machine tool/work piece-rapid and good processing;  
Return the core and boost with trolley---improve the appearance of corner piece.  
The Chinese operation prompts +15 inch true color display + touch screen-simple and clear operation.  
The graphical programming system: the processing procedure can be obtained upon the vertical tube painting system/modification on the screen - simple, convenient, rapid and accurate programming.  
Resilience measurement- the property of batches of pipes can be compared and measured.  
Single-step debugging function - the deformation process of pipes is observed closely during mould trial-manufacture.  
Automatic mould drawing --- help significantly develop new products.  
Comprehensive monitoring: Hydraulic/electrical/drive system, motor phase loss/reversal, voltage, temperature, oil pressure, automatic fault diagnosis, passwords, key, records of working hours/number, for production management.

	DMP25 CNC-2A-1S	DMP38 CNC-2A-1S	DMP50 CNC-2A-1S	DMP63 CNC-2A-1S	DMP75 CNC-2A-1S	DMP89 CNC-2A-1S
Min bending R for carbon pipe is 1.5D	ø25.1x1.6t	ø38.1x2.0t	ø50.8x2.0t	ø63.5x2.0t	ø76.2x2.0t	ø88.9x2.0t
Max feed distance	1300mm	2100mm	2400mm	2500mm	2800mm	3000mm
Feeding method	Servo motor					
Max R for bending	175mm	175mm	250mm	250mm	300mm	300mm
*Max angle for bending	185°	185°	185°	185°	185°	185°
Bending process for everypipe	16	16	16	16	16	16
Max bending group	200	200	200	200	200	200
working rate	Bending Rate	Max.45	Max.45	Max.40	Max.35	Max.30
	Rotary Rate	Max.270	Max.270	Max.270	Max.270	Max.180
working Accuracy	Feeding Rate	Max.700	Max.700	Max.700	Max.700	Max.600
	Bending Angle	± 0.15°	± 0.15°	± 0.15°	± 0.15°	± 0.15°
	Rotary Angle	± 0.1°	± 0.1°	± 0.1°	± 0.1°	± 0.1°
	Feeding Length	± 0.1mm	± 0.1mm	± 0.1mm	± 0.1mm	± 0.1mm
Data Input Method	(Y.B.C)	(Y.B.C)	(Y.B.C)	(Y.B.C)	(Y.B.C)	(Y.B.C)
Rotary Servo motor Power	400w	850w	850w	850w	1300w	1300w
Feeding Servo motor Power	750w	1300w	1300kw	1300kw	2000kw	2000kw
Electric Motor Powere	4Kw	4Kw	5.5Kw	5.5Kw	7.5Kw	11Kw
Weight	1000kg	2100kg	2500kg	2800kg	3600kg	3800kg
Size (LxWxH) (cm)	250x60x120	380x100x130	430x90x130	430x90x140	510x120x140	530x120x140



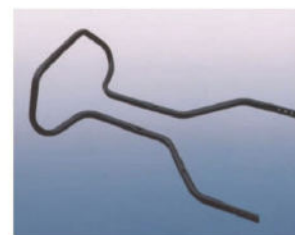


## DMP25CNC-3A-2S

25/38/50/63/75/89/115/130/168/219

# CNC PIPE BENDING

	DMP25CNC-3A-2S	DMP38CNC-3A-2S	DMP50CNC-3A-2S	DMP63CNC-3A-2S	DMP75CNC-3A-2S	DMP89CNC-3A-2S
Min bending R for carbon pipe is:1.5D	ø25.1x1.6t	ø38.1x2.0t	ø50.8x2.0t	ø63.5x2.0t	ø76.2x2.0t	ø88.9x2.0t
Max feed distance	1300mm	2100mm	2400mm	2500mm	2800mm	3000mm
Feeding method	/					
Max R for bending	175mm	175mm	250mm	250mm	300mm	300mm
*Max angle for bending	185°	185°	185°	185°	185°	185°
Bending process for every pipe	16	16	16	16	16	16
Max bending group	500	500	500	500	500	500
working rate	Bending Rate	Max.45	Max.45	Max.40	Max.35	Max.30
	Rotary Rate	Max.270	Max.270	Max.270	Max.270	Max.180
	Feeding Rate	Max.900	Max.900	Max.900	Max.900	Max.700
working Accuracy	Bending Angle	± 0.15°	± 0.15°	± 0.15°	± 0.15°	± 0.15°
	Rotary Angle	± 0.1°	± 0.1°	± 0.1°	± 0.1°	± 0.1°
	Feeding Length	± 0.1mm	± 0.1mm	± 0.1mm	± 0.1mm	± 0.1mm
Data Input Method	(Y.B.C)	(Y.B.C)	(Y.B.C)	(Y.B.C)	(Y.B.C)	(Y.B.C)
Rotary Servo motor Power	400w	850w	850w	850w	850w	1300w
Feeding Servo motor Power	850kw	1.0kw	1.0kw	1.5kw	2kw	2kw
Electric Motor Power	4kw	4kw	5.5kw	5.5kw	7.5kw	11kw
Weight	1100kg	2100kg	2400kg	2800kg	3800kg	4200kg
Size (LxWxH) (cm)	280x70x130	400x110x130	430x100x150	450x100x150	520x120x140	560x120x160



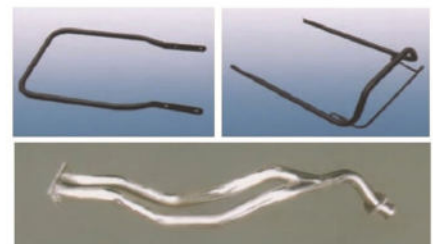
## CNC Pipe Bending Machine



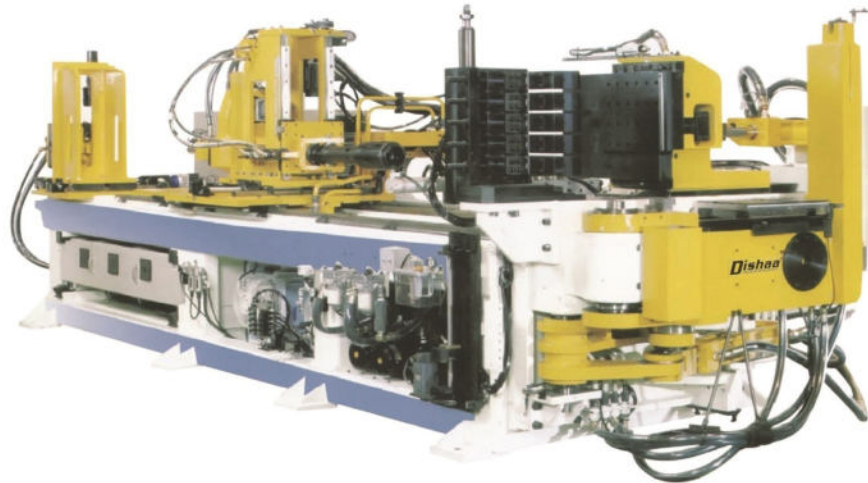
### DMP38CNC-5A-3S

25/38/50/63/75/89/115/130/168

	1.DMP25CNC-5A-3S 2.DMP25CNC-5A-4S	1.DMP38CNC-5A-3S 2.DMP38CNC-5A-4S	1.DMP50CNC-5A-3S 2.DMP50CNC-5A-4S
Max bending capacity	ø25mmx1.6mm	ø38mmx2mm	ø50mmx3mm
Max R for bending	R100mm	R180mm	R250mm
Max feeding distance	2200mm	2500mm	3000mm
Max angle for bending	190°	190°	190°
working speed	Bending speed	Max.200	Max.85
	Rotary speed	Max.200	Max.200
	Feeding speed	Max.1000mm	Max.1000mm
working Accuracy	Bending Angle	± 0.1°	± 0.1°
	Rotary Angle	± 0.1°	± 0.1°
	Feeding Length	± 0.1mm	± 0.1mm
Data Input Method	1.(X.Y.Z) 2.(Y.B.C)	1.(X.Y.Z) 2.(Y.B.C)	1.(X.Y.Z) 2.(Y.B.C)
Bending method	2kw	5kw	1.: 5kw
Rotary Servo motor Power	400w	750w	750w
Feeding Servo motor Power	750w	1kw	1kw
Max bends every pipe	1.16 (PLC) 2. 33	1.16 (PLC) 2. 33	1.16 (PLC) 2. 33
Max bending storage	1.1000 (PLC) 2. 2	1.1000 (PLC) 2. 2	1.1000 (PLC) 2. 2
Electrl motor power	3kw	4kw	5.5kw
Maximum system pressure (adjustable)	12Mpa	12Mpa	12Mpa
Bending mold gap	Max.35mm	Max.50mm	Max.75mm
Weight	1000kg	1500kg	3500kg
Size (cm)	320x75x110	450x90x140	460x110x150







**DMP130CNC-6A-4S**

25/38/50/63/75/89/115/130/168

### Properties

Multi-S series pipe bender is a multi-mode pipe bender, which is equipped with servo motor or proportional servo valve based on different models and is capable of multi-axis control, with bending capacity less than 325mm in pipe diameter. According to different user needs, multiple bending capacities can be provided, for example, elbow boosting of 1D materials and end bend boosting skill. Manufacturing of spare parts for such industries as parts necessary for auto industry, healthy sports equipment, furniture, medical apparatus and instruments, engineering construction machinery and other industries.

Four sets of moulds can be simultaneously loaded to rapidly install and replace different bending radii; servo control system, small amount of hydraulic oil, and oil temperature not too high 1-4 layers of bending moulds can be added to CNC5 axis motor servo control; early pulling of core can be set for core rod

Each layer of moulds can independently control auxiliary boosting speed of guided mould; equipped with adjustable wrinkle-proof plate holder CNC numerical value controls and matches high mechanical accuracy, and improves bending speed and accuracy

Direct feeding or feeding by clamping can be chosen

Equipped with IPC (industrial computer) and touch control screen

Can be equipped with interference simulation software, and the operator can input parameters to view if there is any collision or error (optional)

	DMP63CNC-5A-3S	DMP75CNC-5A-3S	DMP89CNC-5A-3S	DMP115CNC-5A-3S
Max bending capacity	ø63mmx4mm	ø75mmx4mm	ø89mmx8mm	ø115mmx8mm
(1) Max R for bending	R250mm	R250mm	R250mm	R350mm
(2) Min bending radius				
Max angle for bending	190°	190°	190°	190°
(3) Max feeding distance	3000mm	3000mm	3000mm	3000mm
Feeding method				
working speed	Bending speed	Max.85	Max.40	Max.30
	Rotary speed	Max.200	Max.160	Max.160
	Feeding speed	Max.1000mm	Max.800mm	Max.800mm
working Accuracy	Bending Angle	± 0.1°	± 0.1°	± 0.1°
	Rotary Angle	± 0.1°	± 0.1°	± 0.1°
	Feeding Length	± 0.1mm	± 0.1mm	± 0.1mm
Data Input Method	1.(X.Y.Z) 2.(Y.B.C)	1.(X.Y.Z) 2.(Y.B.C)	1.(X.Y.Z) 2.(Y.B.C)	1.(X.Y.Z) 2.(Y.B.C)
Bending method	1kw	2kw	5kw	5kw
Rotary Servo motor Power	750w	1kw	1.5kw	1.5kw
Feeding Servo motor Power	1kw	1.5kw	2kw	3.5kw
Max bends every pipe		1.16 (PLC) 2.33		
(4) Max bending storage		1.1000 (PLC) 2.2		
Electric motor power	5.5kw	7.5kw	11kw	22kw
Maximum system pressure (adjustable)	12Mpa	12Mpa	14Mpa	14Mpa
(5) Bending mold gap	Max80mm	Max90mm	Max100mm	Max110mm
Weight	3800kg	4500kg	5500kg	8000kg
Size (cm)	5200x1300x1750	5200x1350x1230	5650x1350x1360	5700x1350x1400