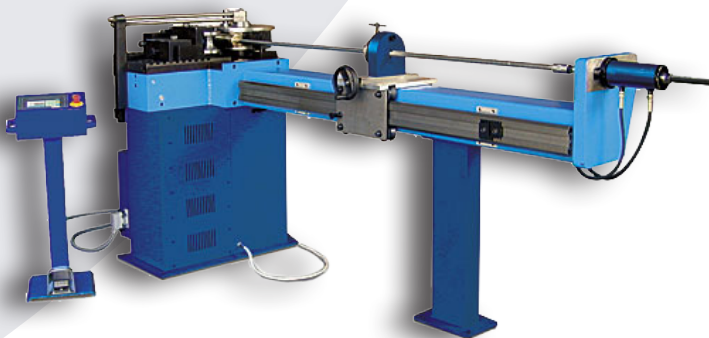




CBC UNI Mandrel Tube Bending Machines

The CBC UNI Tube Bending Machine combines versatility and precision, catering to both simple and complex bending applications. Designed for ease of use, the machine ensures high-quality bends across a variety of materials and wall thickness's. This range of Mandrel Tube benders support the inside of the tube when performing tight radius bends to maintain the quality and shape of the tube at the point of the bend.

The powerful CBC UNI 90 Mandrel model is capable of bending mild steel tubes up to 90mm with 2mm wall thickness, making it ideal for heavy-duty tasks. Additional features, such as a moving arm with positioning stops and a plane of bend indicator, enhance accuracy and productivity.



UNI 90 WITH 3M MANDREL

Machine Features

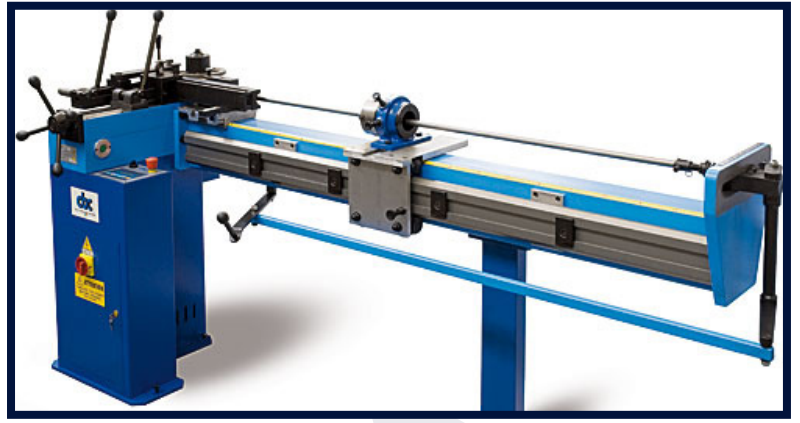
- 1m Mandrel system (UNI 63)
- 2m Mandrel system (UNI 70 Models)
- 3m Mandrel system (UNI 80 & 90 Models)
- Quality bending of thin wall tubes
- Bending radii to 2 x tube diameter
- Bend a wide range of materials including stainless steel
- Plane of bend indicator with positioning stops
- Manual mandrel extraction
- Manual clamping of tube to former
- Interchangeable tool post to support small radius bending applications
- Programmable bending angle with 50 memories with 9 phases per memory

Optional Equipment

- Full range of tooling including formers, wiper dies, slider dies and counter formers
- Alternative mandrel lengths up to 6 metres



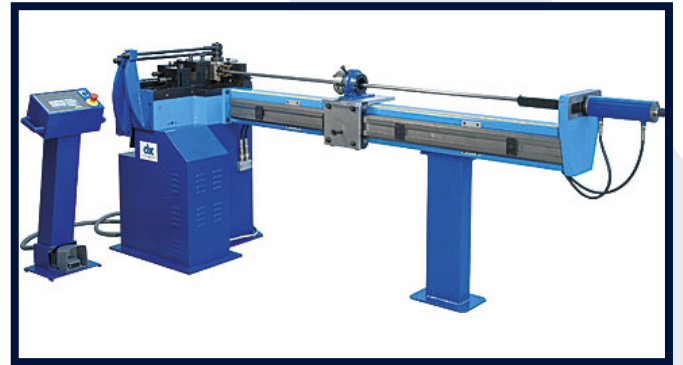
UNI 70/C-OS



UNI 70



UNI 70 HC-OS

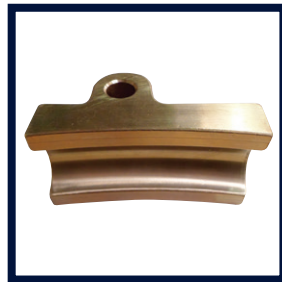


UNI 80

All models pictured with optional tooling



CAST IRON FORMER



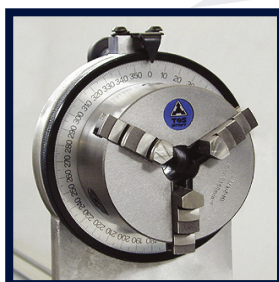
**COUNTER
FORMER**



ROLLER HOLDER



TIE ROD



**PLANE OF BEND
INDICATOR**



**ELECTRO MAGNETIC SWITCH FOR
ANGLE SETTING**

CBC MANDREL TUBE BENDING CAPACITIES

MODEL WITH MANDREL	TYPE OF PIPE	Hard and soft copper pipes, annealed brass pipes	Steel pipes for electrical installations	Stainless steel AISI 304/316 pipes	Hydraulic steel tubes ST.35.4	Furniture tubes	FE boiler pipes	Aluminium pipes	Gas pipes UNI 5745	Square pipe	Minimum bending radii
UNI 63	Ø (mm)	35	-	30	-	35	-	-	1"	-	2D
	Wall Thickness (mm)	3	-	2	-	2	-	-	Standard	-	
UNI 70/C	Ø (mm)	50	50	50.8	50	50	50	50	-	40 x 40	2D
	Wall Thickness (mm)	4	8	3	4	3	4	8	Standard	4	
UNI 70/C-OS	Ø (mm)	50	50	50.8	50	50	50	50	-	40 x 40	2D
	Wall Thickness (mm)	4	8	3	4	3	4	8	Standard	4	
UNI 70/HC	Ø (mm)	50	50	50.8	50	50	50	50	48	40 x 40	2D
	Wall Thickness (mm)	3	2	1.5	3	2	2	4	3	3	
UNI 70 HC-OS	Ø (mm)	50	50	50.8	50	50	50	50	48	40 x 40	2D
	Wall Thickness (mm)	3	2	1.5	3	2	2	4	3	3	
UNI 80	Ø (mm)	76	76	63.5	76	76	76	76	2" 1/2	60 x 60	2D
	Wall Thickness (mm)	1.5	2	1.5	3	2	2	4	3	3	
UNI 90	Ø (mm)	90	90	80	90	90	90	90	3"	70 x 70	2D
	Wall Thickness (mm)	3	2	3	3	2	2	4	3	3	

Special diameters and bending radii on request

TECHNICAL SPECIFICATIONS

MODEL		UNI 63	UNI 70/C	UNI 70/C-OS	UNI 70/HC	UNI 70 HC-OS	UNI 80	UNI 90
STOCK CODE		21643	21637	21367/C-OS	21365	21365/OS	21366	21367
Capacity (Mild Steel)	mm	35 x 2	50 x 4	50 x 3	50 x 4	50 x 3	76 x 1.5	90 x 3
Max. Bending Angle		180	180	180	180	180	180	180
Motor	Kw	1.5	1.5 / 2.2	1.5 / 2.2	2.3 / 3.1	2.3 / 3.1	3.0	4.0
Standard Mandrel Length	mm	1,000	2,000	2,000	2,000	2,000	3,000	3,000
Optional Mandrel Length	mm	2,000 / 3,000 / 4,000	3,000 / 4,000 / 5,000 / 6,000	3,000 / 4,000 / 5,000 / 6,000	3,000 / 4,000 / 5,000 / 6,000	3,000 / 4,000 / 5,000 / 6,000	4,000 / 5,000 / 6,000	4,000 / 5,000 / 6,000
Min. Length of First Bend	mm	120	120	120	130	130	150	200
Programs		50	50	50	50	50	50	50
Bends / Program		9	9	9	9	9	9	9
Length	mm	740	810	810	830	830	830	1,110
Width	mm	900	400	400	630	630	630	700
Height	mm	1,000	1,100	1,100	1,270	1,270	1,270	1,310
Weight	Kg	120	210	210	400	400	600	970