



FEATURES

- 3 axis CNC Mandrel Bender with Programmable Movement
- CLR as small as 1.5D
- Programmable carriage movement for tight radii
- Automatic or manual bend sequencing
- Independent pressure and clamp die adjustment
- Programmable carriage movement for tight radii
- Standard right hand bending direction
- Interactive PLC touch screen offers easy access to auto and manual operating modes, system diagnostics and multiple language capability
- Programmable material springback settings for each bend angle
- Programmable auto mandrel positioning allows operator to optimize extraction for improved bend quality
- USB for unlimited program memory storage and communication
- Interactive touch screen displays absolute (ABS) or incremental (INC) positioning with inch or metric readout
- Programmable tail stock interference zone monitors position and eliminates workhead collision
- Accepts YBC and XYZ input values
- Hand-held remote bending control, certified class 3 safety and all electrical components UL, CSA and CE approved
- LCD touch screen displays multiple axis position in absolute and incremental formats
- Auxiliary hydraulic oil cooling
- Quick change tooling system
- Tail stock with through spindle accepts longer material

TECHNICAL DATA

Description	EB 76 CNC3
Maximum bending radius*	300 mm
Minimum bending radius* (with standard mandrel)	1.5 x Ø
Maximum shaft rotation	210°
Maximum bending angle	185°
Pass through mandrel chuck with automatic tube recapture function	Ø 81 mm
Length of compact pivoting head	1500 mm
Minimum internal distance between bends and work head	310 mm
3 Axis (YBC) CNC	C = 6/8 rpm Y = 0.8 m/s B = 15 rpm
Maximum hydraulic pressure	150 bar
Mandrel table (maximum length of tube to be bent)	4200 mm
Stroke of chuck (of one mandrel recapture)	3200 mm
Number of storable programs	110
Three phase Motor 400 V / 440 V at 50 / 60 Hz (other voltages on request)	20 kW (total)
Dimensions (L x w x h)	5200 x 1100 x 1300 mm
Weight	2200 Kg

MAXIMUM CAPACITY

Max flexural modulus	Steel CE R= 42 kg/mm ²	20 cm ³
Round tube	Steel CE R= 42 kg/mm ²	76.2 x 5 mm
	Steel US R= 52 kg/mm ²	76.2 x 3.8 mm
Gas tube	Steel CE R= 42 kg/mm ²	2"½ sch 40
	Steel US R= 52 kg/mm ²	2" sch 80
Stainless steel tube	R= 65 kg/mm ²	76.2 x 3 mm
Copper aluminium	R= 30 kg/mm ²	76.2 x 8 mm
Square tube	Steel CE R= 42 kg/mm ²	63.5 x 63.5 x 4.2 mm
	Steel US R= 52 kg/mm ²	63.5 x 63.5 x 3.2 mm
Rect. tube easy way	Steel CE R= 42 kg/mm ²	50 x 63 x 7 mm
	Steel US R= 52 kg/mm ²	50 x 63 x 5 mm
Rect. tube hard way	Steel CE R= 42 kg/mm ²	63 x 50 x 5.5 mm
	Steel US R= 52 kg/mm ²	63 x 50 x 4.2 mm

* Depends on the diameter, wall thickness and type of material

MAXIMUM CAPACITIES AND MINIMUM RADII ARE INDICATIVE AND NOT BINDING