



## ERCOBENDER: 3 axis CNC mandrel bender



### INNOVATIONS



- ✓ User friendly control based on fast PLC and a 5.5" touch screen



- ✓ New hydraulic system with 4 oleodynamic pumps

- ✓ Highly accurate axial positioning:
  - ± 0.2 mm (T axis)
  - ± 0.2° (B axis)
  - ± 0.2° (C axis)
- ✓ Faster bending (bending speed approx. every 6 seconds)
- ✓ The CNC control can store up in memory up to 110 part programs (11 curves each)





## CHARACTERISTICS

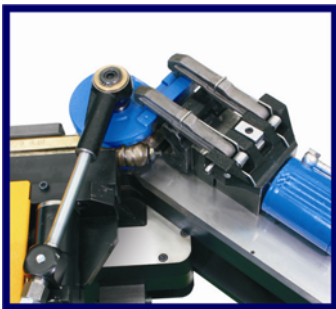
- ✓ Advanced technology for a high quality of fixed radius bending
- ✓ Mandrel and non mandrel bending
- ✓ Structure in carbon steel heavy
- ✓ Programmable axial forward powered motion of tube (booster) from mandrel carriage
- ✓ Automatic anticipated mandrel extraction
- ✓ Oil temperature control system



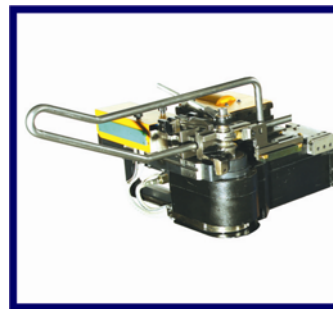
- ✓ Individually controlled axis feed rate:  
C axis  
Y axis  
B axis



- ✓ Programmable spray mist lubrication system



- ✓ Pivoting work head minimizes internal distance between bends under working area



## BEND CAPACITY

ERCOBENDER	EB 45 4RF CNC3	EB 76 4RF CNC3	
Resistance module (machine)	5 cm <sup>3</sup>	Ø 50 x 2.8 mm (min Ø 6 mm)	
Max bending capacity Ø Fe 42 * (R = 42 Kg/mm <sup>2</sup> )	16 cm <sup>3</sup>	Ø 76 x 4 mm (min Ø 6 mm)	
Max bending capacity Ø Inox * (R = 52 Kg/mm <sup>2</sup> )	85 cm <sup>3</sup>	Ø 127 x 7.6 mm ** (min Ø 25 mm)	

\* Depending on diameter, thickness and type of material.  
\*\* With special accessories.

## TECHNICAL SPECIFICATIONS

ERCOBENDER	EB 45 4RF CNC3	EB 76 4RF CNC3	
Max bending radius *	300 mm	300 mm	
Min bending radius * (with standard mandrel)	1.5 x Ø	1.5 x Ø	
Min bending radius * (with special mandrel)	1 x Ø	1 x Ø	
Max shaft rotation	210°	210°	
Max bending angle	185°	185°	

\* Depending on diameter, thickness and type of material.