



### TECHNICAL DATA

<b>Flexion Modulus</b>	15 cm <sup>3</sup>
<b>Maximum Outside Diameter</b> <b>Minimum Outside Diameter</b>	76.2 mm (3" OD) 10 mm (13/32" OD)
<b>Maximum Center Line Radius (CLR)</b> <b>Minimum Center Line Radius (CLR)</b>	254 mm (10" OD) 19 mm (3/4" OD)
<b>Maximum bend angle</b>	190°
<b>Power</b>	5 kW
<b>Nominal hydraulic pressure</b>	150 bar
<b>Number of stored programs</b>	unlimited with USB key
<b>Precision of bend angle</b>	± 0,1°
<b>Bend speed</b>	Variable (25° / sec)
<b>Noise Level</b>	62 dB
<b>Hydraulic Oil Capacity</b>	100 L
<b>Length</b>	4270 mm (3 m) 7270 mm (6 m)
<b>Width</b>	900 mm
<b>Height</b>	1550 mm
<b>Weight</b>	920 Kg (3 m) 1120 Kg (6 m)

### FEATURES

- Bending capacity to 3" round tube and multiple profiles
- Ideal for prototype or daily production
- Bend to CLR as small as 1.5D
- Accepts center line bend radius to 10"
- Control offers easy access to manual and auto operating modes, system diagnostics and multiple languages
- USB for unlimited storage of bend programs, material library and job information
- Interactive touch screen displays absolute (ABS) or incremental (INC) positioning with inch or metric readout
- Programmable C axis with manual Y and B positioning
- Variable bending speed to 4 RPM with auto work sensing
- Programmable bend angle 0 to 180°
- Individual material spring back setting for every bend angle
- Pressure die with auto recapture minimizes distance between bends
- Heavy duty tailstock carriage with hydraulic clamping of work piece
- Tailstock Y and B position display resets to zero after each bend for easy setup while maintaining absolute position
- Bending head adjusts horizontally to maintain centerline radius of former
- Patented finger style clamping system minimizes distance between bends
- Hand-held remote control certified class three safety
- Precision encoders on all axes for greater repeatability
- Heavy one-piece steel structure improves rigidity and minimizes vibration
- Externally mounted gauges for adjustment of system and clamping pressure
- Accepts standard O30 mandrel tooling
- Electrical components UL, CSA and CE approved

### MAXIMUM CAPACITY

<b>Max flexural modulus</b>	Steel CE R= 42 kg/mm <sup>2</sup>	15 cm <sup>3</sup>
<b>Round tube</b>	Steel CE R= 42 kg/mm <sup>2</sup>	76.2 x 3.2 mm
	Steel US R= 52 kg/mm <sup>2</sup>	76.2 x 2.8 mm
<b>Gas tube</b>	Steel CE R= 42 kg/mm <sup>2</sup>	2" sch 80
	Steel US R= 52 kg/mm <sup>2</sup>	2" sch 80
<b>Stainless steel tube</b>	R= 65 kg/mm <sup>2</sup>	76.2 x 2.2 mm
<b>Copper aluminium</b>	R= 30 kg/mm <sup>2</sup>	76.2 x 5.5 mm
<b>Square tube</b>	Steel CE R= 42 kg/mm <sup>2</sup>	70 x 70 x 3 mm
	Steel US R= 52 kg/mm <sup>2</sup>	63.5 x 63.5 x 2.5 mm
<b>Rect. tube easy way</b>	Steel CE R= 42 kg/mm <sup>2</sup>	50 x 70 x 40 mm
	Steel US R= 52 kg/mm <sup>2</sup>	50.8 x 76.2 x 2.8 mm
<b>Rect. tube hard way</b>	Steel CE R= 42 kg/mm <sup>2</sup>	70 x 50 x 3 mm
	Steel US R= 52 kg/mm <sup>2</sup>	76.2 x 50.8 x 2.2 mm

MAXIMUM CAPACITIES AND MINIMUM RADII ARE INDICATIVE AND NOT BINDING

MANDREL BENDER MACHINES