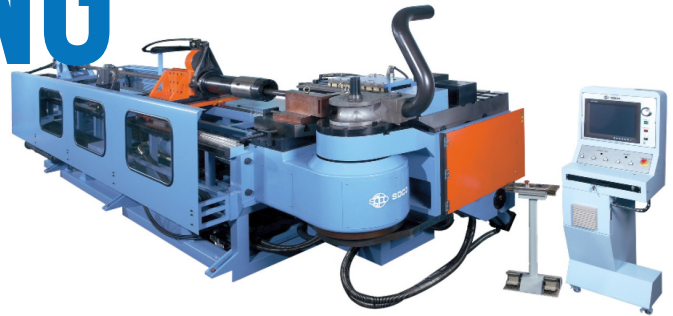


# TUBE BENDING MACHINERY



Langbow offer a wide range of new tube bending machines from Soco ranging from NC machines to multi axis CNC tube bending machines and automatic load and unload production cells. Langbow also provide Soco all electric machines and the versatile left and right hand bend head machine in both 32 mm and 52 mm capacity versions for more complex shapes and variable radius bending. Click on any of the tube bending machines below for full specifications.

## MODEL: 5B SERIES

With models that extend up to Ø168mm capacity, the SOCO CNC 5B series tube bender brings optimal tube bending power and accuracy solutions for the automotive, trucking, buses, boiler, ship building and other heavy industries.

## FEATURES & FUNCTIONS

- 5 individual programmable axis
  - Max Ø168 capacity
  - Individually controllable pressure die assists for each bending stack
  - Programmable 2 speeds early mandrel extraction
  - Each axis may be individually programmed during arm return
  - SOCO proprietary control software with IPC & touch screen
  - Ability for 1D Bending \* and Roll Bending \*\*
  - High accuracy and repeatability ( $\pm 0.1\text{mm}$  /  $\pm 0.1^\circ$  for all axis
- \* Depending on tube O.D. and elongation ratio  
\*\* May be added by request - 2SV models

# MODEL: 5B SERIES

## SPECIFICATION

Specification \ Model	SB76x5B-1S/2S	SB-90x5B-1S/2S	SB-110x5B-1S/2S	SB-130x5B-1S/2S	SB-168x5B-1S/2S
Mild Steel Capacity (mm) (CLR1.5D)	Ø76.2x2.5t Ø63.5x4.2t	Ø88.9x2.1t Ø76.2x3.5t	Ø110x2.8t Ø100x4.0t	Ø127x4.5t	Ø168x6.8t
Stainless Steel Capacity (mm) (CLR1.5D)	Ø76.2 x 2.0t	Ø88.9x1.8t	Ø110x1.7t Ø100x2.8t	Ø127x3.0t	Ø168x4.3t
Max. Bending Radius Difference (R1-R2) (mm)	80 (2S)	80 (2S)	100 (2S)	150 (2S)	160 (2S)
Max. Tube Length with Mandrel (mm)	4130	4130	5000	5500	7000
Max. Bending Angle	190°	190°	190°	190°	190°
Max. Draw Bending Angle (mm) (a.)	250	250	300	350	600
Bending Accuracy	±0.1°	±0.1°	±0.1°	±0.1°	±0.1°
Rotation Accuracy	±0.1°	±0.1°	±0.1°	±0.1°	±0.1°
Feeding Accuracy (mm)	±0.1°	±0.1°	±0.1°	±0.1°	±0.1°
Dimension (mm) (L x W x H)	5500x2100 x1650(1S) 5500x2100 x1720(2S)	5500x2100 x1650(1S) 5500x2100 x1720(2S)	7300x1800 x1400(1S) 7300x1800 x2000(2S)	7500x2400 x1900(1S) 7500x2500 x2100(2S)	9500x2880 x2600
Weight (Kg)	6600/7100 (1S/2S)	7500/8000 (1S/2S)	9600/10200 (1S/2S)	10500/11500 (1S/2S)	17000/17500 (1S/2S)

\*Can be extended by request

**TUBE BENDING MACHINES**  
**BENDING MACHINE TOOLING**  
**TUBE FINISHING MACHINES**  
**TUBE CUTTING MACHINES**

**5 Year**  
**Guarantee**  
On All New Machines



**WWW.LANGBOW.COM**  
**MACHINERY FOR TUBE**

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