

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: V SERIES

The V series CNC tube benders combine Draw, Roll and 1D Bending technology. This combination allows 2 different fixed radius and multiple large roll bending radius in a single part, as well as a programmable carriage boost for CLR = 1D Bending. Coupled with individual Pressure Die Systems assist in each draw bending stack, it brings superior performance and flexibility.

FEATURES & FUNCTIONS

- SOCO's unique DGT technology
- Rack pinion feeding
- SOCO Proprietary Operation Software
- Multi-stacks for Draw and Roll (Large Radius) bending
- Programmable Boosting Force for 1D Bending*
- Programmable arc lengths for large radius
- Low noise with highest transmission performance

* In accordance to material's elongation ratio



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

5 Year
Guarantee
On All New Machines



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MACHINERY FOR TUBE

MODEL: V SERIES

SPECIFICATION

Specification \ Model	SB20x4A-3SV	SB39x4A-3SV	SB51x4A-3SV	SB63x4A-3SV	SB80x4A-3SV	SB90x4A-3SV
Max. Mild Steel Capacity (mm) (CLR1.5D)	Ø20.0x1.2t	Ø38.1x3.2t	Ø50.8x2.5t	Ø63.5x2.5t	Ø76.2x2.0t	Ø88.9x2.2t
Stainless Capacity (mm) (CLR 1.5D)	Ø16x1.2t	Ø31.75x2.2t	Ø50.8x1.9t	Ø63.5x1.9t	Ø76.2x1.5t	Ø88.9x1.5t
Max. Tube Length over Mandrel (mm)	2070	3850	3850	3850	4600	4600
Max. Draw Bending Radius (mm)	80	180	250	250	250	250
Max. Bending Radius (R1-R2) (mm)	30	50	75	75	80	80
Draw Bending Round Tube	1.5D ~ 4D	1.5D ~ 5D	1.5D ~ 5D	1.5D ~ 5D	1.5D ~ 3.3D	1.5D ~ 3.3D
Draw Bending Rectangular Tube	2.5D ~ 4D	2D ~ 5D	2D ~ 5D	2D ~ 5D	2.5D ~ 3.3D	2.5D ~ 3.3D
Roll Bending (1) Round Tube	6D ~ ∞	6D ~ ∞	6D ~ ∞	6D ~ ∞	8D ~ ∞	8D ~ ∞
Roll Bending (1) Rectangular Tube	8D ~ ∞	8D ~ ∞	8D ~ ∞	8D ~ ∞	12D ~ ∞	12D ~ ∞
1D Bending	Yes	Yes	Yes	Yes	Yes	Yes
Max. Bending Angle	190°	190°	190°	190°	190°	190°
Bending Accuracy	±0.1°	±0.1°	±0.1°	±0.1°	±0.1°	±0.1°
Rotation Accuracy	±0.1°	±0.1°	±0.1°	±0.1°	±0.1°	±0.1°
Feeding Accuracy (mm)	±0.1°	±0.1°	±0.1°	±0.1°	±0.1°	±0.1°
Gross Weight (Kg)	1500	3500	4500	5500	9500	10500

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