SOCO®

CNC BENDING MACHINE

SB-10X5A-3S-V
SB-40X4A-3S-V
SB-50X4A-3S-V
SB-75X5B-3S-V

SB-40X4A-3S-V

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SPECIFICATION

Model			3 Stack of tooling (2 stacks of draw bending + 1 stack of roll bending)			
			SB-10X5A-3S-V	SB-40X4A-3S-V	SB-50X4A-3S-V	SB-75X5B-3S-V
Max. Carbon Steel Tube, CLR=1.5D			Ø10.0 x 1.2t	Ø40.0 x 1.5t Ø31.75 x 2.6t	Ø50.8 x 2.0t Ø44.45 x 2.7t	Ø76.2 x 2.5t Ø63.5 x 4.2t
Max. Stainless Steel Tube, CLR=1.5D			Ø10.0 x 0.9t	Ø31.75 x 1.8t	Ø44.45 x 2.0t	Ø63.5 x 3.0t
Max. Rectangular Tube			□10.0 x 10.0 x 0.6t	□31.75 x 31.75 x 1.5t	□38.1 x 38.1 x 1.4t	□60 x 60 x 2.3t
Max. Radius Difference between Bending Dies (mm)			25	30	50	60
Max. Feeding Length (*Note) (mm)			1000	2800	3200	2850
Feeding Method			1. Multiple-stroke feeding 2. Positive gripping feeding			
Bending Radius (*Note) (mm)	Draw Bend	Round Tube	1.5D~5D			
		Rectangular	2D~5D			
	Roll Bend	Round Tube	5D~∞			
		Rectanguar	6D~∞			
Max. Bending Angle (°)			190			
Max. Number of Bends per Tube (*Note)			30 bends			
Max. Memory Capacity of Bending Data Sets (*Note)			100 sets (no limit for IPC model)			
Max. Work Speed	Tube Bending (°/sec)		300	150	120	30
	Plane Turning (°/sec)		325	300	300	160
	Tube Feeding (mm/sec)		1200	1000	900	800
Precision	Tube Bending (°)		±0.1			
	Plane Turning (°)		±0.1			
	Tube Feeding (mm)		±0.1			
Coordinate System for Bending Data Entry			(X, Y, Z) Orthogonal coordinate (Y, B, C) Straight length, turning angle and bending angle			
Servo Motor Power	Tube Bending (kw)		1.0	7.5	12	hydraulic propertional servo control
	Plane Turning (kw)		0.2	0.85	1	0.5
	Tube Feeding (kw)		2.0	4.5	6	7.0
	Transverse Moving (kw)		0.5	1.3	2	carriage: 1 mandrel seat: 0.5
Motor for Hydraulic System (hp)			1	7.5	10	30
Machine Weight (kg)			1000	3000	4500	7600
Machine Dimension (L x W x H) (cm)			220 x 90 x 130	480 x 130 x 160	400 x 130 x 160	495 x 190 x 165

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