

Items	Unit	EX-50L	EX-100	EX-150	EX-250	EX-300	EX-400	EX-600
Copper/Aluminum	mm	φ 9.5 x t 0.8	φ 15.9 x t 1.0	φ 19.1 x t 1.2	φ 30 x t 1.5	φ 35 x t 2.0	φ 50.8 x t 2.5	φ 70 x t 2.5
Mild steel	mm	φ 6.35 x t 0.8	φ 10 x t 1.0	φ 16 x t 1.0	φ 25.4 x t 1.6	φ 31.8 x t 2.0	φ 42.7 x t 3.5	φ 63.5 x t 3.8
Bending radius	mm	50	50	60	100	150	200	200
Bending radius difference	mm	10	30	30	30	50	50	80
Bend angle	degree	0 - 180	0 - 180	0 - 180	0 - 180	0 - 180	0 - 180	0 - 180
Bending direction		Clockwise	Clockwise	Clockwise	Clockwise	Clockwise	Clockwise	Clockwise
Mandrel effective length	mm	900	900	1500	1800	1800	2400	2400
The number of tooling stacks		2	2	2	2	2	2	2
The number of bending processes		30	30	30	30	30	30	30
Memory capacity of part programs		1000	1000	1000	1000	1000	1000	1000
Tube-end boost power	ton	-	-	-	-	-	-	-
Slide boost power	ton	-	-	-	-	-	-	-
Speed								
Bend	degree/sec, sec/180	500/0.32	500/0.36	450/0.4	400/0.45	300/0.6	200/0.9	180/1
Plane	degree/sec, sec/180	750/0.24	600/0.3	500/0.36	500/0.36	450/0.4	300/0.6	250/0.75
Feed	mm/sec	1400	1400	2000	1800	1350	1200	1000
Cross move	mm/sec	-	-	-	-	-	-	-
Average operating speed	sec/bend	1.4 - 3.0	1.6 - 4.0	1.8 - 4.0	2.2 - 5.0	3.0 - 6.0	3.5 - 6.5	4 - 7
Productivity	bend/hour	2200 - 1300	1800 - 1100	1650 - 1000	1400 - 800	1350 - 700	1000 - 600	720 - 450
Repeatability								
Bend angle	degree	+/- 0.05	+/- 0.05	+/- 0.05	+/- 0.05	+/- 0.05	+/- 0.05	+/- 0.05
Feed	mm/sec	+/- 0.05	+/- 0.05	+/- 0.05	+/- 0.05	+/- 0.05	+/- 0.05	+/- 0.05
Plane angle	degree	+/- 0.05	+/- 0.05	+/- 0.05	+/- 0.05	+/- 0.05	+/- 0.05	+/- 0.05
Servo motor capacity								
Bend	kw	0.4	0.75	0.85	2.9	5.5	7.5	11
Feed	kw	0.4	0.4	0.85	1	1.3	1.3	1.8
Plane	kw	0.1	0.2	0.2	0.2	0.45	0.45	0.45
Bending radius shift axis	kw	-	-	-	-	-	-	-
Clamp axis	kw	-	-	-	-	-	-	-
Pressure axis	kw	-	-	-	-	-	-	-
Mandrel axis	kw	-	-	-	-	-	-	-
Up-and-down axis	kw	-	-	-	-	-	-	-
Side booster axis	kw	-	-	-	-	-	-	-
Tube-end booster axis	kw	-	-	-	-	-	-	-
Tube loader (Option)		50L	100L	150L	250L	300L	400L	600L
Tube outside diameter	Max mm	φ 8	φ 10	φ 15	φ 20	φ 28	φ 31.8	φ 42.7
Tube length	Max mm	700	700	1200	1500	1500	1500	1500
Capacity	φ / piece	8/100	8/100	φ 10 / 100	φ 16 / 75	φ 22.2 / 75	φ 25.4 / 200	φ 38.1 / 200
Electric system								
Power supply		200V x 50/60Hz x 3 phase						
Electric capacity	KVA	3	3	6	9	16	50	57
Hydraulic system								
Electric motor for pump	kw	-	0.75	2.2	2.2	2.2	5.5	11
Oil-reservoir capacity	L	-	30	45	45	30	100	180
Dimensions of machine body								
Length(L1)	mm	1760	1920	2760	3120	3310	4500	4440
Width (W1)	mm	890	760	890	1060	1100	1150	1880
Height (H1)	mm	1520	1220	1290	1360	1440	1510	1620
Working height (WH)	mm	980	980	980	980	1090	1090	1100
Weight	kg	500	650	1000	1400	2000	2500	4700
Dimensions of operation panel								
Depth (L2)	mm	On body	500	500	500	500	500	500
Width (W2)	mm	On body	630	630	630	630	630	630
Height (H2)	mm	On body	1200	1200	1200	1200	1200	1200

Note: The specifications and external appearances of the machines in this catalog may be changed for improvement without prior notice.

There are additional models available from EX-800 to EX-1500 which are not listed above.