



- 300HV / 600HV

Necessary for pipe processing factory!

Possible to cut and bevel the pipes on both sides at the same time(CNC M/C)

Capacity : Pipe O.D 80 - 620mm (3 - 24inch)
Pipe wall thickness maximum 80mm



		S-300HV	S-600HV	Remark
Description	Unit			
Cutting Diameter	mm(inch)	80 - 320(3 - 12)	250 - 620(10 - 24)	
Cutting Thickness	mm	80	100	
Tool Holder	set	6(8)	6(8)	
X-axis Distance	mm	80	100	Full Automatic
Z-axis Distance	mm	160	220	
Spindle Motor Capacity	kw	11	22	
X-axis Motor Capacity	kw	1.5	3	
Z-axis Motor Distance	kw	1	3	
Pipe Feeder Assy'	set	2	3	Full Automatic
Centering Adjust	mm	200	350	Full Automatic
Hydraulic unit	kw	3.75	6	Full Automatic
Size(L x W x H)	mm	2350 x 1400 x 2000(2200)	2800 x 2000 x 2500(2850)	
Power Source		3P/220V/60Hz	3P/380V/60Hz	
Net Weight	kg	4500	7500	


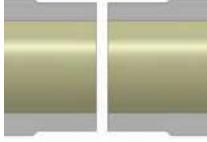
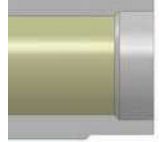

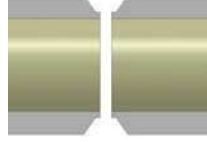
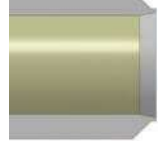

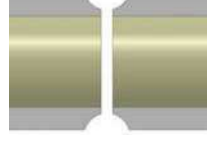


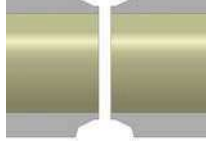
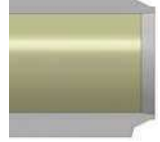
. Note) These data can be customized to fulfill your order and be subject to change without notice.
For more detail, please contact our technical sales department.

The world's First!

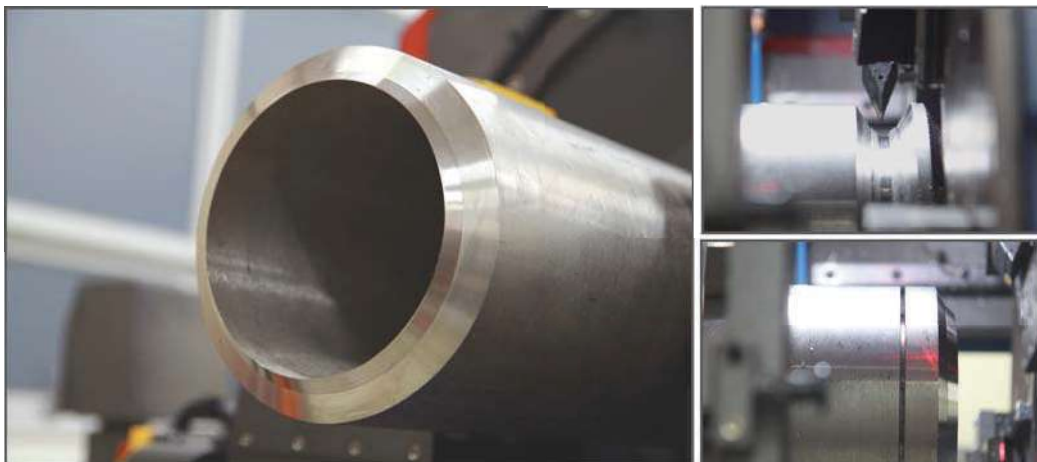
Dual Cutting & Beveling Full Automatic Machine

- Possible to cut and bevel the pipes on both sides; No need for additional cutting or beveling tools
- The minimized working space by using straight production line
- Automatic tool change is possible with 6 tool holder equipped
- Implimented the various shaping processing; 8-axis servo motor
- The integration of automatic feeder and carrying out device with centering function
- The automatic oil pressure revision system; The deformation is minimized by using the chuck pressure depending on the types of pipes
- Tool pre-setter/Chip conveyor/ Coolant system

▶ S-300HV, S-600HV

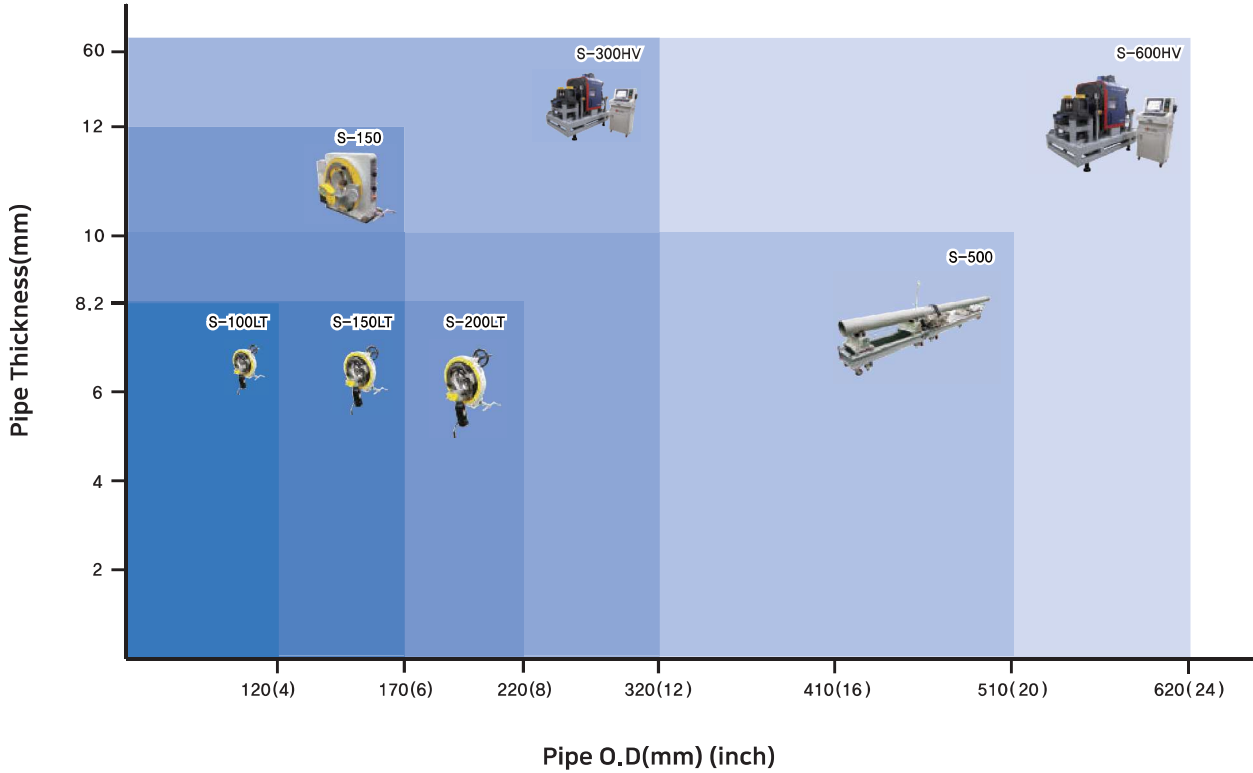
Improved form	Example	
	Double-sided	Single-sided
I-shaped 		
V-shaped 		
U-shaped 		
DV-shaped 		

* Full Automatic Machine can process various forms.





Criteria for machine selection



Consumption of cutting and beveling blade(quantity)

O.D (inch)	O.D (mm)	Thickness (mm)	Cutting		Beveling	
			Quantity/1EA	Blade model	Quantity/1EA	Blade model
1/2	21.7	2.1	464	S-8056	8,962	S-BB90
3/4	27.2	2.1	368		7,150	
1	34.0	2.8	300		5,720	
1 1/4	42.7	2.8	240		4,554	
1 1/2	48.6	2.8	210		4,002	
2	60.5	2.8	173		3,214	
2 1/2	76.3	3	129	S-8048	2,392	
3	89.1	3	113		2,032	
4	114.3	3	90		1,350	
5	139.8	3.4	75		1,008	
6	165.2	3.4	60	S-8040	852	
8	216.3	4	45		590	
10	267.4	4	38		476	
12	318.5	4.5	30		400	
14	355.6	5	29		340	
16	406.4	5	24		296	
18	457.2	5	20		264	
20	508.0	5	15		238	

- This data is based on STS 304 ERW SCH 10S.
- Enable you to work more efficiently by adjusting the cutting and beveling rpm(%) depending on your work condition
- Excessive cutting and fast initial entry speed can be damaged and shorten the life of blade.



Cutter

Cutting/Beveling Capacity Table(STS304)

Nominal Pipe Size		O.D (mm)	Nominal Pipe Size Chart - STS 304 ERW Pipe(KSD 3576)											
			SCH 5S		SCH 10S		SCH 20S		SCH 40S		SCH 80S		SCH 160S	
A	B		Wall Thick (mm)	Weight kg/6m	Wall Thick (mm)	Weight kg/6m	Wall Thick (mm)	Weight kg/6m	Wall Thick (mm)	Weight kg/6m	Wall Thick (mm)	Weight kg/6m	Wall Thick (mm)	Weight kg/6m
10	3/8	17.3	1.2	2,886	1.65	3,858	2.0	4,572	2.3	5,154	3.2	6.72	—	—
15	1/2	21.7	1.7	4,944	2.1	6.18	2.5	7.2	2.8	7.92	3.7	9.96	4.7	11.94
20	3/4	27.2	1.7	6.3	2.1	7.86	2.5	9.24	2.9	10.56	3.9	13.56	5.5	17.82
25	1	34.0	1.7	7.98	2.8	13.08	3.0	13.92	3.4	15.54	4.5	19.86	6.4	26.4
32	1 ¼	42.7	1.7	10.14	2.8	16.68	3.0	17.82	3.6	21.06	4.9	27.66	6.4	34.74
40	1 ½	48.6	1.7	11.58	2.8	19.14	3.0	20.46	3.7	24.84	5.1	33.18	7.1	44.04
50	2	60.5	1.7	14.52	2.8	24.12	3.5	29.82	3.9	33	5.5	45.24	8.7	67.2
65	2 ½	76.3	2.1	23.28	3.0	32.88	3.5	38.1	5.2	55.26	7.0	72.6	9.5	94.8
80	3	89.1	2.1	27.3	3.0	38.58	4.0	50.88	5.5	69	7.6	92.4	11.1	129.6
90	3 ½	101.6	2.1	31.2	3.0	44.22	4.0	58.32	5.7	81.6	8.1	113.4	12.7	168.6
100	4	114.3	2.1	32.22	3.0	49.92	4.0	66	6.0	97.2	8.6	135.6	13.5	203.4
125	5	139.8	2.8	57.36	3.4	69.6	5.0	97.8	6.6	131.4	9.5	184.8	15.9	294.6
150	6	165.2	2.8	67.8	3.4	82.2	5.0	120	7.1	168	11.0	253.8	19.2	399.6
200	8	216.3	2.8	89.4	4.0	127.2	6.5	204	8.2	255	12.7	386.4	23.0	666
250	10	267.4	3.4	134.4	4.0	157.2	6.5	253.2	9.3	358.8	15.1	569.4	29.6	1020
300	12	318.5	4.0	187.8	4.5	211.2	6.5	303	10.3	474.6	17.4	786	33.3	1422
350	14	355.6	4.0	210.0	5.0	262.2	8.0	415.8	11.1	571.8	19.0	954	35.7	1704
400	16	406.4	4.5	270.6	5.0	300.0	8.0	476.4	12.7	750	21.4	1230	40.5	2214
450	18	457.2	4.5	301.8	5.0	337.8	8.0	540.6	13.3	948	23.8	1542	45.2	2784
500	20	508.0	5.0	375.6	5.5	412.8	9.5	741	15.1	1110	26.2	1884	50.5	3420

가 S-150 Recommended spec.

가 S-150 Maximum spec.

가 S-500 Recommended spec.

가 S-500 Maximum Spec.