



W12S 4 roller plate bending

4 Roller Hydraulic Universal Plate Rolling Machine Hydraulic
Universal Plate Rolling Machine

Summarize:

This machine used to coil plate into different sharps such as cylindrical form, conic form and arc, it adopted Japan hydraulic technical. Top roll can do vertical and level motion, up and down, parallel translation is display.

Feature:

1. The upper roller can move vertically as well as horizontally .
2. The end pre-bending is finished with high precision by moving the upper roller and making it unsymmetrical position with two lower rollers.
3. Two lower rollers are driven by the motor and decelerator for rolling the plate.
4. It is convenient and safe for feeding and operating because of the constant altitude of the lower rolls.
5. It is controlled by PLC, and the positioning of the rolls is digital readout.
6. The upper roller is in the shape of drum, accompany of the support rolls of two lower rollers for up and down adjustment, it can get the high precision for deviation from straightness of the finished products.
7. It adopts the rear rolling to gain the high precision for the circularity of the finished products.
8. The feeding direction and the moving direction of the top roll are opposite.
9. The upper roller press down, meanwhile the lower rollers rotate for the continuous bending.
10. The end pre-bending is accomplished by the direct pressure from the upper roller so as to avoid the "angle of relief" of bending, at the same time; it can control the length and shape of the flat end.
11. This kind of Plate Rolls Bending Machine also can roll cone shape which is optional.

1.The Feature of Hydraulic plate bending rolls:

1. The machine widely used in petroleum, chemical industry, cement, boiler, shipbuilding, aviation, water conservancy, power transmission towers and other machinery and equipment. Its working principle is rotating bending deformation.

For the upper roller can be moved no matter up and down, but also horizontally, so no need additional press or equipment, can realize prebending, bending, as well as correction of the workpiece.

2.The whole structure of Hydraulic plate bending rolls:

1. Totally European design,streamlined looking,frames of our machines are fabricated, welded steel (ST-52). Roll shafts, materials and bearings used in production are European quality. Also the torque limit of the machines is very high. NC playback and CNC graphic control systems are available as optional accessory.
- 2.The main structure of the equipment includes upper roller, lower roller and horizontal movement mechanism, supporting mechanism,main drive mechanism,downturn system, left and right machine frame, chassis and balance mechanism, hydraulic and electrical control systems.
- 3.The model MH has both the upper and the lower roll powered with hydraulic motor and planetary gear box.

3.The Feature of Hydraulic plate bending rolls:

1. High precision pre-bending, freely setup the width of plate. Upper roller presses the plate end for pre-bending.
2. Upper roller likes drum with collaboration of carrier roller permit continual bending of any thickness of plate.
3. Safe work, fixed two down roller, upper roller does horizontal and vertical movement, and the plate don't move during upper roller moving.
4. Unitary structure, convenient to move the whole machine as machine has a hardy under pan. No need to anchor bolt.
5. Different use has different control way, like top numerical control and below numerical control.
6. Through exclusive technology, AccurL can develop cones as easily as competitive machines can develop cylinders. And it eliminates scarring on the surface of shell or roll and also eliminates, in most cases, the need for grinding the lamination (bullnosing) on the minor diameter edge.



Model No.	Working Length (mm)	Pre-Bending (mm)	Max. thickness (mm)	Upper (Φmm)	Under (Φmm)	Side (Φmm)	Motor Power (kw)	Weight (Kg)	Size(LxWxH) (cm)
W12S 4x2100	2100	6	4	160	140	120	2.2	2.320	392x86x114
W12S 6x2100	2100	8	6	190	170	150	3	3.300	402x125x138
W12S 8x2100	2100	10	8	210	190	170	7.5	4.200	416x132x137
W12S 10x2100	2100	13	10	230	210	180	7.5	4.620	416x132x137
W12S 13x2100	2100	16	13	270	250	210	11	6.800	451x143x152
W12S 16x2100	2100	20	16	300	270	210	11	7.200	442x146x173
W12S 20x2100	2100	25	20	330	300	240	11	9.120	447x161x184
W12S 25x2100	2100	30	25	360	330	250	15	10.400	440x200x212
W12S 30x2100	2100	35	30	390	360	300	22	18.800	479x218x220
W12S 35x2100	2100	40	35	430	390	330	30	24.000	430x250x245
W12S 40x2100	2100	50	40	460	420	360	37	32.000	450x250x245
W12S 50x2100	2100	60	50	510	460	390	45	45.000	450x357x300
W12S 55x2100	2100	70	55	540	510	440	55	51.000	600x350x340
W12S 4x2600	2600	6	4	190	170	150	3	3.600	402x125x138
W12S 6x2600	2600	8	6	210	190	170	7.5	4.600	466x132x137
W12S 8x2600	2600	10	8	230	210	190	7.5	5.560	466x132x137
W12S 10x2600	2600	13	10	270	250	210	11	7.200	500x143x152
W12S 13x2600	2600	16	13	300	270	210	11	8.110	492x146x173
W12S 16x2600	2600	20	16	330	300	240	11	10.570	497x161x184
W12S 20x2600	2600	25	20	360	330	250	15	11.800	504x168x190
W12S 25x2600	2600	30	25	390	360	300	18.5	15.800	502x198x210
W12S 30x2600	2600	35	30	430	390	330	22	20.700	528x218x220
W12S 35x2600	2600	45	35	460	420	360	30	30.000	564x258x230
W12S 40x2600	2600	50	40	510	460	390	45	45.000	480x250x245
W12S 45x2600	2600	55	45	540	510	440	55	49.000	600x305x300
W12S 4x3100	3100	6	4	210	190	170	7.5	4.800	466x132x137
W12S 6x3100	3100	8	6	230	210	190	7.5	6.500	516x132x137
W12S 8x3100	3100	10	8	270	250	210	11	7.900	551x143x152
W12S 10x3100	3100	13	10	300	270	210	11	9.020	542x146x173
W12S 13x3100	3100	16	13	330	300	240	11	12.020	547x161x184
W12S 16x3100	3100	20	16	360	330	250	15	13.200	554x168x190
W12S 20x3100	3100	25	20	390	360	300	18.5	17.540	552x198x210
W12S 25x3100	3100	30	25	430	390	330	22	22.500	578x218x220
W12S 30x3100	3100	40	30	460	420	360	30	32.000	614x258x230
W12S 35x3100	3100	45	35	510	460	390	37	40.000	630x258x230
W12S 40x3100	3100	50	40	540	500	440	45	52.000	650x305x300
W12S 50x3100	3100	65	50	650	550	480	55	66.000	650x360x350
W12S 60x3100	3100	85	60	760	680	580	75	110.000	750x450x415
W12S 4x4100	4100	6	4	270	250	210	5.5	8.900	600x143x152
W12S 6x4100	4100	8	6	300	270	210	5.5	9.930	592x146x173
W12S 8x4100	4100	10	8	330	300	240	7.5	14.920	597x161x184
W12S 10x4100	4100	13	10	360	330	250	11	16.000	605x168x190
W12S 14x4100	4100	16	14	390	360	300	18	20.800	605x198x210
W12S 16x4100	4100	20	16	430	390	330	15	26.000	628x218x220
W12S 20x4100	4100	25	20	460	420	360	18.5	38.000	664x258x230
W12S 25x4100	4100	30	25	510	460	390	22	52.000	664x296x300
W12S 28x4100	4100	35	28	540	510	440	30	60.000	700x305x300
W12S 35x4100	4100	40	35	650	550	480	45	84.000	650x300x300



Superior product precision

The unique bending craft, High accurate end pre-bending, does not have the clearance angle bending continuously, bending process numerical control

Man-machine conversation control interface, highly effective intelligent operation

Physical bending craft software, man-machine conversation window, bending process automatic compensation. The simplex operation, highly effective, security, convenient and fast.

Rich bending shape

Have the different shapes such as O,U,multistage R and so on. Multi-type choice system

According to the use or the user request, we have the economical type of number reveals, the TC numerical control type.



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