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# EZXW11S-大型三辊卷板机

## 3 ROLLS HEAVY PLATE BENDING MACHINE



EZXW11S-270/360x3500mm



EZXW11S-200x3200mm

### 性能特点



- 压下油缸内置：压下油缸内置于床身。解决了目前下置压下油缸活塞杆外露带来的卷制过程中工件氧化皮堆积造成的活塞杆拉伤问题；实现了上置压下油缸和下置压下油缸均采用无杆腔工作，减少了高压密封圈的数量，提高了压下油缸工作的可靠性。
- 加强的锥筒卷制：在上下工作辊的可开合轴承座侧设有锥筒小口减速装置。由电控系统设置上工作辊倾斜两并保持上辊相对平衡，可在该卷板机上实现其它机器上无法实现的小直径，大锥角锥体的卷制。
- 液压预卸压系统：通过独特的液压系统设计和工作压力检测，结合电控系统设计，可实现设备在高压下平缓的卸载，避免了工件的弹跳移动和液压系统产生的“水锤”现象对管路的冲击。
- 友好的人机界面：液压系统及各油缸的工作压力，电机工作状态，位移传感器的位移均以仪表控件的形式集中在显示屏显示。显示内容还包括各液压阀的失电状况，各软限位提示，设备过载报警，油温报警与冷却提示。

### CAPABILITY



- Built-in Pressure Cylinder: Pressure cylinder setting on the lathe bed can solve the piston rod damage problem that the work-piece rolling scales accumulation in the process of bending due to cylinder rod exposure. Actualize the non-rod chamber work of both top setting and bottom setting cylinders, reduce the amount of bearing seals, while increase the reliability.
- Strengthened Cone Bending Package: there is a cone small-mouth slowing device set on the top and bottom working roller's bearing block. The electrical system can control the working roller's inclination and maintain the top roller's balance. This machine can meets the requirement of small diameter, large cone angle bending.
- Hydraulic Advance Release Pressure System: By the means of the special design of hydraulic system and working pressure checking, the machine can be unload on the condition of high pressure to avoid the problem of bouncing and "water hammer" which hits the work-piece compact on piping.
- Clean Human-Machine Interface: Working pressure of hydraulic and each cylinder, motor working state, displacement of sensor will be displayed on the screen in form of instrumentation control. The power failure of each valve, prompting of each soft and hard limitation, overload alarm, oil temperature alarming, prompting of cooling also will be displayed on the screen.

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EZXW11S								
MODEL 型号	Useful Length 卷板宽度 mm	Without Prebending 无预弯 mm	With Prebending 预弯 mm	Top Rolls Φ 上辊直径 mm	Bottom Rolls Φ 下辊直径 mm	Motor Power 电机功率 KW	Working Speed 卷板速度 m/min.	Dimensions 外形尺寸 mm
EZXW11S-70 × 3100	3100	70	60	700	400	60 + 24.1	3.40	7980 × 3320 × 3680
EZXW11S-80 × 3100	3100	80	70	780	430	60 + 32.2	4.00	8040 × 3950 × 3940
EZXW11S-90 × 3100	3100	90	80	830	400	74 + 32.2	3.36	8280 × 3990 × 4470
EZXW11S-100 × 3100	3100	100	90	880	480	104 + 32.2	3.50	8600 × 4160 × 4490
EZXW11S-110 × 3100	3100	110	100	920	480	110 + 39.2	4.00	8860 × 4160 × 4960
EZXW11S-120 × 3100	3100	120	110	930	480	126 + 39.2	3.60	8880 × 4360 × 4960
EZXW11S-130 × 3100	3100	130	115	990	515	126 + 39.2	3.60	9070 × 4690 × 6110
EZXW11S-140 × 3100	3100	140	125	1000	535	126 + 39.2	3.60	10350 × 4990 × 6330
EZXW11S-150 × 3100	3100	150	135	1050	560	150 + 84.2	3.50	10430 × 4970 × 5850
EZXW11S-160 × 3100	3100	160	140	1150	600	180 + 79.2	3.20	10620 × 5450 × 6400
EZXW11S-170 × 3100	3100	170	150	1160	650	220 + 84.2	3.12	10950 × 5290 × 6360
EZXW11S-180 × 3100	3100	180	170	1250	680	220 + 93.7	3.12	10950 × 5920 × 6360
EZXW11S-200 × 3100	3100	200	180	1300	720	220 + 93.7	3.36	12100 × 6160 × 7460
EZXW11S-150/220 × 3100	3100	150/220	130/180	1060	650	220 + 89	3.12	10930 × 5900 × 6640
EZXW11S-160/250 × 3500	3500	165/250	145/220	1250	650	220 + 95	3.12	11480 × 5720 × 6880
EZXW11S-200/300 × 3500	3500	200	180	1300	700	665	3.34	12180 × 6270 × 7400
EZXW11S-240/280 × 3500	3500	240	215	1400	800	284 + 89	3.25	12200 × 6650 × 7600
EZXW11S-270/360 × 3500	3500	270/236	240/330	1460	850	597.5	3.25	12490 × 7070 × 8520
EZXW11S-70 × 4100	4100	70	60	810	410	60 + 15	4.00	8980 × 3320 × 3680
EZXW11S-80 × 4100	4100	80	70	875	430	70 + 15	3.60	8930 × 4590 × 4020
EZXW11S-90 × 4100	4100	90	80	930	480	104 + 15	3.60	9310 × 3660 × 4440
EZXW11S-100 × 4100	4100	100	90	980	480	110 + 41	3.50	10110 × 4410 × 5050
EZXW11S-110 × 4100	4100	110	100	1000	515	126 + 46.2	3.50	10300 × 4770 × 5140
EZXW11S-120 × 4100	4100	120	110	1050	535	126 + 46.2	3.60	10510 × 4740 × 5810
EZXW11S-130 × 4100	4100	130	115	1080	560	126 + 46.2	3.50	10560 × 4740 × 5890
EZXW11S-140 × 4100	4100	140	125	1100	600	170 + 46.2	3.20	10620 × 4970 × 5890
EZXW11S-150 × 4100	4100	150	130	1200	650	200 + 87.5	3.10	10960 × 5940 × 6700
EZXW11S-160 × 4100	4100	160	140	1220	650	220 + 87.5	3.20	11470 × 6200 × 6990
EZXW11S-170 × 4100	4100	170	140	1250	680	220 + 87.5	3.20	11900 × 6590 × 7000
EZXW11S-180 × 4100	4100	180	160	1300	700	264	3.50	12050 × 6790 × 7100
EZXW11S-190 × 4100	4100	190	160	1300	720	270	3.50	12150 × 6800 × 7300
EZXW11S-200 × 4500	4500	200	170	1320	720	220 + 75	3.30	12880 × 10500 × 7290



EZXW11S-185 × 3200mm



EZXW11S-170/260 × 4500mm



EZXW11S-140/200 × 4500mm

Model illustration 机器型号说明			
Eg: EZXW11S-200 × 3100 3 Rolls Move Horizontally plate bending machine 三辊卷板机（水平移动）		Ezhong can supply all specification according to customer's request as long as we have the following data. 鄂重按照客户的特定需求定制，请您提供以下数据。	
EZ	"Ezhong" brand	最大厚度 Max. Bending Thickness	(.....) such as "200mm"
XW11	3 Rolls Plate Bending Machine	最大宽度 Max. Bending Width	(.....) such as "3100mm"
S	Move Horizontally	最小卷板直径 Min. Bending Diameter	(.....) such as "Φ3000mm"
200mm	Max. Bending Thickness	钢板材质 Plate Material	(.....) such as "carbon steel"
3100mm	Max. Bending Width	屈服极限 Yield Limit	(.....) such as "245MPa"
Ezhong has produced the largest bending machine, plate leveling machine and horizontal axle-pressing machine. 鄂重生产过世界上最大的卷板机，矫平机和轮轴压装机。 Ezhong is the enterprise technology center and provincial postdoctoral industry base. 鄂重是湖北省级技术中心和博士后产业基地。			

# EZW11C-船用三辊卷板机

## 3 ROLLS MARINE PLATE BENDING MACHINE



### 性能特点

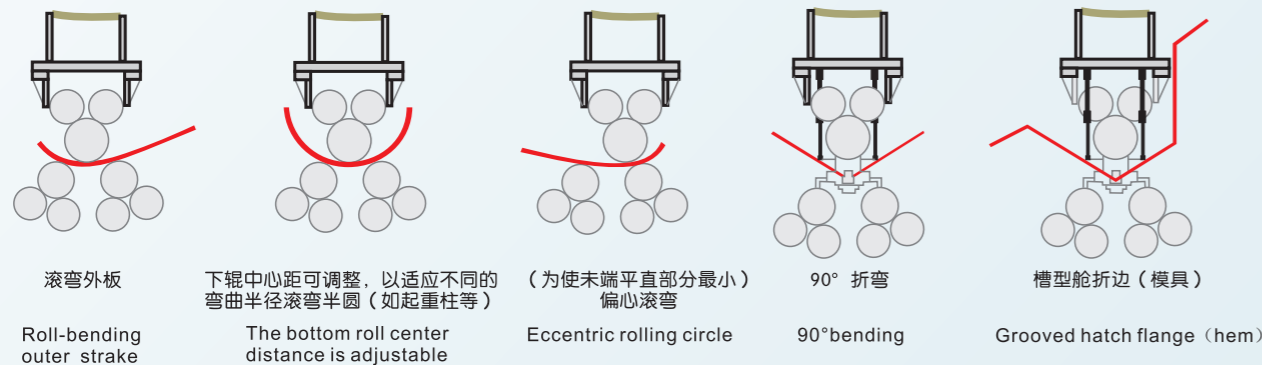


- 鄂重生产的船用三辊卷板机引进吸收英国史密斯技术，具备卷板和折弯两用功能，主要弯制船舶舷部等圆弧板和压制槽型舱口；对舰部机舱部弯曲外板弯制加工。
- 分辊驱动：两下辊分别采用两电机或两液马达经减速机减速独立驱动，解决机械干涉问题，提高工作辊寿命和工件外表面质量。
- 挠曲补偿：在上梁和上支承辊之间、下梁和下支承辊之间有支承辊联调装置，补偿上下梁挠曲变形；联调装置由柱塞缸驱动，各支承处的补偿量根据变形特性曲线设定，保证了在不同板厚和板宽的情况下加工工件的良好直线度。
- 变中心距：采用两下辊中心距可变技术，以适应更广的卷板范围和达到更高的卷板精度。
- 水平移动：下辊座及每组支承辊座都与同规格水平移动减速机连接，各水平移动减速机之间通过万向节相连，以保持运动同步。水平移动采用机械式即可解决多油缸同步的问题，又具有机械传动自锁性好的优点。
- 控制系统：本系统具有卷板和折弯两种操作方式，可方便转换。具有抗干扰能力强、能适应恶劣工业环境，并留有足够的扩展容量等特点。

### CAPABILITY



- Ezhong 3 ROLL MARINE PLATE BENDING MACHINE has the functions of both plate rolling and bending, especially used for bending arc sheer strake of bilge and pressing the grooved hatch, also processing the arc outer strake around the stern and engine room.
- Individual Roll Driven:
- Two bottom rollers are driven by the individually reducers, which avoid the mechanical interference, extends the service life of the working rolls and improves the out-surface quality of work piece.
- Flexing Compensation:
- There is an adjustable back-up roll device between the upper beam and upper back-up rollers, or the bottom beam and the bottom back-up rollers, which function is to compensate the rolling deformation. This device is driven by the plunger type cylinder. The load of compensation is set by the deformation performance curve, which guarantees high straightness of the work piece while processing the plates in different thickness and width.
- Mutable Center Distance:
- Adopting the technique of mutable center distance between the two bottom rollers, the aim is reaching the wider range and higher precision for rolling plates.
- Horizontal Moving:
- Bottom roll seat and each group of back-up roll seats are connected with the horizontal-moving reducers in the same specification, and the horizontal moving reducers join together through the universal joint as to move synchronously. Adopting mechanical moving one way makes the oil cylinders be synchronous, the other way owns the advantage of excellent self-locking performance.
- Control System:
- The system can work in both rolling and bending, and the two ways convert to each other conveniently. This system has features of powerful anti-interference ability, adaption to the severe industrial environment and sufficient extending capacity etc.



EZW11C			
Model 型号	Full-load Min radius 满载最小半径	Rows of back-up roller 支承辊列数	Main motor power 主电动机功率
EZW11S-2200T × 21000	R650mm	8	75KW × 2
EZW11S-2200T × 18000	R650mm	8	75KW × 2
EZW11S-2000T × 17000	R650mm	6	75KW × 2
EZW11S-1500T × 13500	R600mm	4 (7)	55KW × 2
EZW11S-1000T × 12500	R600mm	4 (6)	30KW × 2

