



W12 Hydraulics Plate Rolling Machine With 4 Rolls

W12液压四辊卷板机 ◆

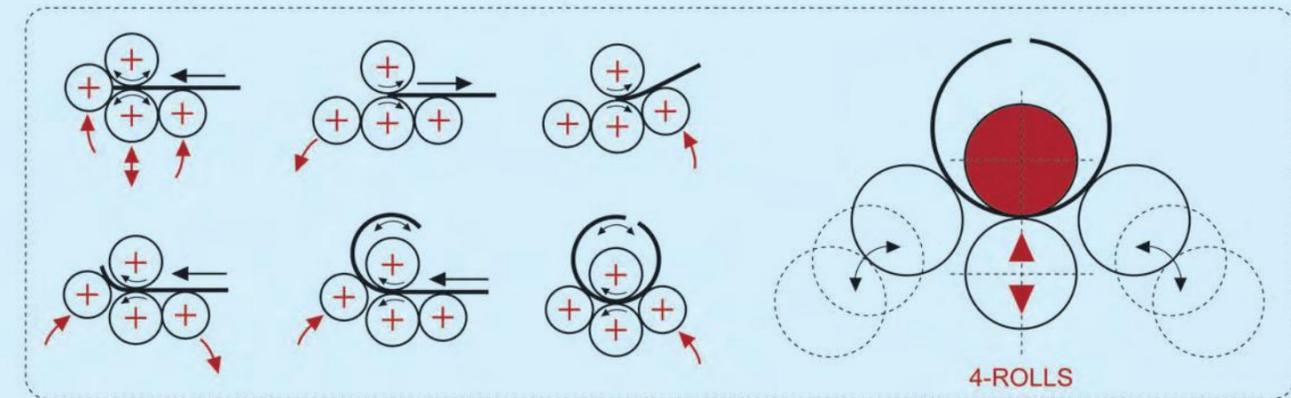
结构形式:

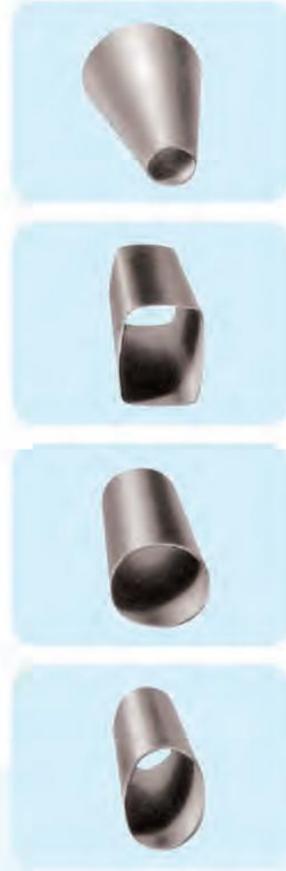
该机属于四辊卷板机，用于制造压力容器、机械、水电、建筑等行业的筒体的预弯、卷圆，同时具有校圆、校平功能。上辊液压马达方式主传动，通过钢板与辊子之间的摩擦力带动下辊、侧辊转动，为卷制板材提供扭矩。下辊、侧辊、翻倒架均为液压驱动。下辊垂直升降、侧辊倾斜弧线升降。预弯通过下辊上升夹住钢板，侧辊倾斜上升实现板材端部预弯。

Structure style:

It belongs to four roller plate rolling machine. It wide used in the manufacture of pressure vessels, machinery, hydropower, construction and other industries of the barrel body pre bending, roll round, and also have a function of checking circle and leveling. The top roller driven by hydraulic motor. Through the friction between the metal plate and the top roller to drive the bottom roller and side rollers rotate. And supply the torque for bending plate. The bottom roller, side roller and drop end are all driven by hydraulic oil tank. The bottom roller move up and down, the side roller move along with an arc. The bottom roller rising to clamp the plate and the side roller title up to pre-bend the end of the plate.

工作原理 Working principle:





W12液压四辊卷板机技术参数

W12 Hydraulics Plate Rolling Machine With 4 Rolls Technical Parameters

型号 Model	最大厚度 Max. Bending thickness (mm)	预弯厚度 Pre-bending thickness (mm)	辊子工作长度 Max. Working length of rolls (mm)	板材屈服强度 Yield limit (Mpa)	上辊直径 Top roller diameter (mm)	下辊直径 Bottom roller diameter (mm)	侧辊直径 Side roller diameter (mm)	电机功率 Main power (Kw)
W12-4x2000	4	3.5	2050	245	160	140	120	3
W12-6x2000	6	5	2050	245	190	170	150	4
W12-8x2000	8	6.5	2050	245	210	190	170	5.5
W12-10x2000	10	8	2050	245	230	210	190	7.5
W12-12x2000	12	10	2050	245	270	250	210	11
W12-16x2000	16	13	2050	245	300	270	220	11
W12-20x2000	20	16	2050	245	330	300	240	11
W12-25x2000	25	20	2050	245	360	330	250	15
W12-30x2000	30	25	2050	245	390	360	300	18.5
W12-35x2000	35	28	2050	245	430	390	330	22
W12-40x2000	40	32	2050	245	460	420	360	30
W12-45x2000	45	36	2050	245	510	460	390	37
W12-50x2000	50	40	2050	245	550	510	420	45
W12-4x2500	4	3.5	2550	245	190	170	150	4
W12-6x2500	6	5	2550	245	210	190	170	5.5
W12-8x2500	8	6.5	2550	245	230	210	190	7.5
W12-10x2500	10	8	2550	245	270	250	210	11
W12-12x2500	12	10	2550	245	300	270	220	11
W12-16x2500	16	13	2550	245	330	300	240	11
W12-20x2500	20	16	2550	245	360	330	250	15
W12-25x2500	25	20	2550	245	390	360	300	18.5
W12-30x2500	30	25	2550	245	430	390	330	22
W12-35x2500	35	28	2550	245	460	420	360	30
W12-40x2500	40	32	2550	245	510	460	390	37
W12-45x2500	45	36	2550	245	550	510	420	45
W12-4x3000	4	3.5	3100	245	210	190	170	5.5
W12-6x3000	6	5	3100	245	230	210	190	7.5
W12-8x3000	8	6.5	3100	245	270	250	210	11
W12-10x3000	10	8	3100	245	300	270	220	11
W12-12x3000	12	10	3100	245	330	300	240	11
W12-16x3000	16	13	3100	245	360	330	250	15
W12-20x3000	20	16	3100	245	390	360	300	18.5
W12-25x3000	25	20	3100	245	430	390	330	22
W12-30x3000	30	25	3100	245	460	420	360	30
W12-35x3000	35	28	3100	245	510	460	390	37
W12-40x3000	40	32	3100	245	550	510	420	45
W12-50x3000	50	40	3100	245	610	560	480	55
W12-60x3000	60	48	3100	245	670	620	520	75

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W12 Hydraulics Plate Rolling Machine With 4 Rolls

W12液压四辊卷板机

性能特点:

- 操作方便简单, 卷制方法多样化;
- CNC控制, 数字显示各工作辊位移, 卷圆精度高, 圆度好;
- 全液压驱动, 高效节能, 驱动功率相当于传统的60%;
- 卷圆一次成型, 生产率比三辊卷板机高出50%-80%;
- 对料方便准确, 避免错边现象;
- 自带锥筒装置, 方便卷制锥体;
- 永久润滑技术(轴承寿命期内无需加油);
- 板子在卷制过程中始终上下辊夹紧, 不打滑;
- 可卷制上辊直径1.1倍的筒体, 板材端部预弯时直边长度比其它类型卷板机要小;
- 易于增加搬运装置、送料装置、托料装置;
- CE认证。

Performance features:

- It's easy to operate, rich shape bend;
- CNC control, digital readout for position of each rollers. High accuracy and precision circle;
- Full hydraulic drive, High efficiency and energy saving, the drive power is equivalent to the traditional 60%;
- Once forming, the productivity is higher 50%-80% than three roller bending machine;
- Aligning the material is convenient and accurate, avoid the wrong side phenomenon;
- Cone bending device;
- Permanent lubrication (bearing life without refueling);
- The top and bottom roller clamp the plate during rolling without slipping;
- The minimum bending diameter of the cylinder can get to 1.1 times the diameter of the top roller, the surplus flat edge smaller than any type of other plate rolling machine;
- The carrying device and feeding device and support device can be installed easily;
- CE certificate.



性能特点:

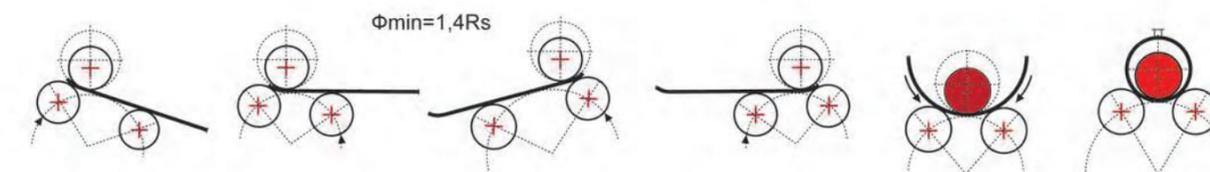
- 意大利技术;
- 可移动操作台, 操作方便;
- 触摸屏显示两下辊位移, 卷圆精度高;
- 两下辊弧线升降, 杠杆作用增大成形力;
- 三个工作辊均为主驱动辊, 对任何厚度的材料有良好的送进卷制功能;
- 板材卷制过程中, 始终处于夹紧状态, 不致滑动跑偏;
- 三个工作辊, 辊径相同;
- 三个辊子可以靠得很近, 能够实现小筒径卷制和校圆;
- 自带卷锥装置;
- CE认证。

Performance features:

- Italy technical;
- Movable control panel, it's easy operate;
- Digital readout for two bottom rollers lifting displacement, high precision cylinder;
- Two bottom rollers lifting by arc, leverage increase the forming force;
- Three drive rolls. good rolling function for any thickness plate sending;
- The plate always in the state of clamping during rolling process, without slipping;
- The same diameter for three working rollers;
- Three rollers can get very close, small diameter tube can be bent and check cylinder;
- Cone bending attachment.
- CE certificate.

工作原理

Working principle:



W11H三辊弧线下调式卷板机技术参数

W11H hydraulics arc adjust plate rolling machine with 3 rolls Technical Parameters

型号 Model	最大卷板厚度 Max. Bending thickness (mm)	预弯厚度 Pre-bending thickness (mm)	最大卷板宽度 Max. Bending width (mm)	板材屈服强度 Yield limit (Mpa)	上辊直径 Top roller diameter (mm)	下辊直径 Bottom roller diameter (mm)	电机功率 Main power (Kw)
W11H-6x2000	6	5	2000	245	160	160	4
W11H-4x2500	4	3.5	2500	245	160	160	4
W11H-8x2000	8	6.5	2000	245	190	190	5.5
W11H-6x2500	6	5	2500	245	190	190	5.5
W11H-10x2000	10	8	2000	245	210	210	7.5
W11H-8x2500	8	6.5	2500	245	210	210	7.5
W11H-6x3000	6	5	3000	245	210	210	7.5
W11H-12x2000	12	10	2000	245	230	230	11
W11H-10x2500	10	8	2500	245	230	230	11
W11H-8x3000	8	6.5	3000	245	230	230	11
W11H-16x2000	16	13	2000	245	270	270	11
W11H-12x2500	12	10	2500	245	270	270	11
W11H-10x3000	10	8	3000	245	270	270	11
W11H-20x2000	20	16	2000	245	300	300	11
W11H-16x2500	16	13	2500	245	300	300	11
W11H-12x3000	12	10	3000	245	300	300	11
W11H-20x2500	20	16	2500	245	330	330	15
W11H-16x3000	16	13	3000	245	330	330	15
W11H-25x2500	25	20	2500	245	360	360	18.5
W11H-20x3000	20	16	3000	245	360	360	18.5
W11H-30x2500	30	25	2500	245	390	390	22
W11H-25x3000	25	20	3000	245	390	390	22
W11H-30x3000	30	25	3000	245	420	420	30

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W11H Hydraulics Arc Adjust Plate Rolling Machine With 3 Rolls

W11H三辊弧线下调式卷板机

结构形式:

- 该具有预弯功能, 能将板材一次上料, 不需调头即可完成预弯和卷制校圆。该机三个辊均为主驱动轴, 上辊位置固定, 两下辊围绕一固定回转中心作弧线升降运动, 两下辊可单独升降或同升同降。主辊的旋转和升降运动均采用液压传动, 升降位移屏幕显示。

Structure style:

- Double pinch function, pre-bending, roll and correct roundness can be finished without return once feeding the plate. Three drive rolls, the top roller fixed. Two bottom rollers move by an arc along a fix rotary center. Two bottom rollers can lifting up and down at the same time or by separately. The rotate of top roller and the lifting of two bottom rollers transmitted by hydraulic. Digital readout for lifting displacement.



性能特点:

- 上辊呈鼓形，下辊的下部有托辊配合调节，从薄板到厚板这一广泛的范围内能够卷制理想的制品；
- 独特的弯曲工艺，高精度端部预弯，连续弯曲无后角，弯曲过程数字控制；
- 具有卷制O形、U型、多段R等不同形状；
- 辅助锥筒装置，可以卷制锥体；
- 整体式底盘，基础简单，移动作业场所方便；
- 根据用途或用户要求，可以选择经济型数显机型、TNC数控机型；
- CE认证。

Performance features:

- The upper roller is designed as drum shape. Support roller install in the lower of bottom roller to help bending a perfect cylinder from thin to thick plate;
- Special bending craft, high precision pre-bending of the edge, digital control for bending process;
- Rich shape bend such as O, U, R etc;
- Cone bending device for conical bend easily;
- Whole chassis, simple ground foundation, it's convenient to move the workplace;
- According to the role or requirement of customer, economic digital display type or TNC digital control type is optional;
- CE certificate.



W11S大型上辊万能式卷板机技术参数

W11S Big Type Upper Roller Universal Plate Rolling Machine Technical Parameters

型号 Model	上辊加压力 Pressure of top roller (Tons)	最大卷板厚度 Max. Bending thickness (mm)	预弯厚度 Pre-bending thickness (mm)	最大卷板宽度 Max. Bending width (mm)	上辊直径 Top roller diameter (mm)	下辊直径 Bottom roller diameter (mm)	中心距 Central distance (mm)	电机 Main motor (Kw)		
								驱动用 Drive	油压用 Hydraulic	移动用 Movement
W11S-50x3000	540	50	40	3000	600	340	610	55	22	11
W11S-50x4000	690	50	40	4000	700	380	700	75	30	15
W11S-55x3000	610	55	45	3000	620	360	650	75	30	15
W11S-55x4000	850	55	45	4000	750	420	780	90	37	15
W11S-60x3000	690	60	50	3000	650	380	700	75	30	15
W11S-60x4000	930	60	50	4000	780	440	820	90	37	15
W11S-70x3000	850	70	56	3000	710	420	780	75	37	15
W11S-70x4000	1150	70	56	4000	840	480	920	110	45	18.5
W11S-75x3000	930	75	60	3000	740	440	820	90	37	15
W11S-80x3000	1050	80	65	3000	770	460	880	90	37	18.5
W11S-90x3000	1150	90	75	3000	820	480	920	110	45	18.5
W11S-100x3000	1350	100	80	3000	880	480	920	110	45	22
W11S-110x4000	1800	110	90	4000	950	600	1120	132	55	37
W11S-120x3000	1800	120	100	3000	920	580	1120	132	55	37
W11S-120x4000	2300	120	100	4000	990	640	1280	2x75	75	37
W11S-150x3000	2300	150	120	3000	1050	660	1280	2x75	75	45
W11S-160x3000	2500	160	130	3000	1080	700	1360	2x75	75	45
W11S-160x4000	2800	160	130	4000	1260	720	1380	2x90	90	45

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W11S Big Type Upper Roller Universal Plate Rolling Machine

W11S大型上辊万能式卷板机

结构形式:

- 该设备是利用三点成圆的原理，常温状态下将金属板材由平板卷制成弧形、筒形、锥形工件的专用设备。具有以下动作：
- 上工作辊垂直升降。动力：液压油缸。作用：给板材施加压力，使板材发生弯曲变形。
- 上工作辊水平移动。动力：电动机。作用：调整上、下工作辊之间的水平距离，使上、下工作辊呈非对称布置，实现板材的端部预弯，减少直边长度。
- 下工作辊旋转运动。动力：电动机。作用：为卷制板材提供扭矩。
- 翻倒轴承体翻倒与复位。动力：液压油缸。作用：卸出卷成的工件。

Structure style:

- This machine is a special equipment to roll the plate into curve, cylinder, conical in the principle of three point circle. The action as below:
- Top roller move by vertical. Power: hydraulic oil tank. Role: put the pressure on the plate to make the plate bending deformation.
- Top roller move by horizontal. Power: electromotor. Role: adjust the horizontal distance between the top and bottom roller to make the top and bottom roller position in asymmetrical to pre-bend the sheet edge and decline the length of the flat zone.
- Bottom roller rotate. Power: electromotor. Role: supply the torque for bending plate.
- Opening device drop down and reset. Power: hydraulic oil tank. Role: take out the finished workpiece.



W11S Middle And Small Type Upper Roller Universal Plate Rolling Machine

W11S中、小型上辊万能式卷板机 ◆

结构形式:

- 该设备是利用三点成圆的原理，常温状态下将金属板材由平板卷制成弧形、筒形、锥形工件的专用设备。具有以下动作：
- 上工作辊垂直升降。动力：液压油缸。作用：给板材施加压力，使板材发生弯曲变形。
- 上工作辊水平移动。动力：电动机。作用：调整上、下工作辊之间的水平距离，使上、下工作辊呈非对称布置，实现板材的端部预弯，减少直边长度。
- 下工作辊旋转运动。动力：电动机。作用：为卷制板材提供扭矩。
- 翻倒轴承体翻倒与复位。动力：液压油缸。作用：卸出卷成的工件。

Structure style:

- This machine is a special equipment to roll the plate into curve, cylinder, conical in the principle of three point circle. The action as below:
- Top roller move by vertical. Power: hydraulic oil tank. Role: put the pressure on the plate to make the plate bending deformation.
- Top roller move by horizontal. Power: electromotor. Role: adjust the horizontal distance between the top and bottom roller to make the top and bottom roller position in asymmetrical to pre-bend the sheet edge and decline the length of the flat zone.
- Bottom roller rotate. Power: electromotor. Role: supply the torque for bending plate.
- Opening device drop down and reset. Power: hydraulic oil tank. Role: take out the finished workpiece.

W11S中、小型上辊万能式卷板机技术参数

W11S Middle And Small Type Upper Roller Universal Plate Rolling Machine Technical Parameters

型号 Model	上辊加压力 Pressure of top roller (Tons)	最大卷板厚度 Max. Bending thickness (mm)	预弯厚度 Pre-Bending thickness (mm)	最大卷板宽度 Max. Bending width (mm)	上辊直径 Top roller diameter (mm)	下辊直径 Bottom roller diameter (mm)	中心距 Central distance (mm)	电机 Main motor (Kw)		
								驱动用 Drive	油压用 Hydraulic	移动用 Movement
W11S-4x2500	25	4	3.5	2500	200	125	160	4	2.2	1.1
W11S-6x2500	30	6	5	2500	210	125	160	4	2.2	1.1
W11S-8x2000	37	8	6.5	2000	210	135	180	4	2.2	1.1
W11S-8x2500	37	8	6.5	2500	235	135	180	5.5	2.2	1.1
W11S-10x2000	37	10	8	2000	235	135	180	5.5	2.2	1.1
W11S-10x2500	55	10	8	2500	250	145	200	7.5	4	1.1
W11S-12x2000	65	12	10	2000	250	145	200	7.5	4	1.1
W11S-12x2500	75	12	10	2500	265	145	200	7.5	4	1.5
W11S-12x3000	75	12	10	3000	290	150	245	11	4	1.5
W11S-16x2000	75	16	13	2000	265	150	245	7.5	4	1.5
W11S-16x2500	100	16	13	2500	300	165	270	15	5.5	1.5
W11S-16x3000	130	16	13	3000	330	180	300	15	5.5	2.2
W11S-20x2000	100	20	16	2000	300	165	270	15	5.5	1.5
W11S-20x2500	130	20	16	2500	330	180	300	15	5.5	2.2
W11S-20x3000	160	20	16	3000	380	200	330	18.5	7.5	2.2
W11S-20x4000	230	20	16	4000	440	235	380	30	11	4
W11S-25x2500	190	25	20	2500	380	220	360	22	7.5	4
W11S-25x3000	230	25	20	3000	410	235	380	30	11	4
W11S-25x4000	270	25	20	4000	490	250	400	30	11	4
W11S-30x2500	230	30	25	2500	410	235	380	30	11	4
W11S-30x3000	270	30	25	3000	450	250	400	30	11	4
W11S-30x4000	380	30	25	4000	550	275	460	45	22	5.5
W11S-35x2500	320	35	28	2500	450	250	400	30	11	4
W11S-35x3000	380	35	28	3000	510	275	460	45	22	5.5
W11S-40x2500	380	40	32	2500	500	275	460	45	22	5.5
W11S-40x3000	430	40	32	3000	540	290	500	55	22	7.5
W11S-40x4000	540	40	32	4000	630	340	610	55	22	11
W11S-45x3000	540	45	36	3000	590	340	610	55	22	11
W11S-50x2500	430	50	40	2500	580	290	500	55	22	7.5

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性能特点:

- 上辊呈鼓形，下辊的下部有托辊配合调节，从薄板到厚板这一广泛的范围内能够卷制理想的制品；
- 独特的弯曲工艺，高精度端部预弯，连续弯曲无后角，弯曲过程数字控制；
- 具有卷制O形、U型、多段R等不同形状；
- 辅助锥筒装置，可以卷制锥体；
- 整体式底盘，基础简单，移动作业场所方便；
- 根据用途或用户要求，可以选择经济型数显机型、TNC数控机型；
- CE认证。

Performance features:

- The upper roller is designed as drum shape. Support roller install in the lower of bottom roller to help bending a perfect cylinder from thin to thick plate.
- Special bending craft, high precision pre-bending of the edge, digital control for bending process.
- Rich shape bend such as O, U, R etc.
- Cone bending device for conical bend easily.
- Whole chassis, simple ground foundation, it's convenient to move the workplace.
- According to the role or requirement of customer, economic digital display type or TNC digital control type is optional.
- CE certificate.



W11Y三辊液压对称式卷板机技术参数

W11Y Hydraulics Symmetric Plate Rolling Machine With 3 Rolls Technical Parameters

型号 Model	最大卷板厚度 Max. Bending thickness (mm)	最大卷板宽度 Max. Bending width (mm)	板材屈服强度 Yield limit (Mpa)	上辊直径 Top roller diameter (mm)	下辊直径 Bottom roller diameter (mm)	中心距 Central distance (mm)	主电机 Main power (Kw)	液压电机 Hydraulic power (Kw)
W11Y-16x2500	16	2500	245	300	250	370	15	5.5
W11Y-30x2000	30	2000	245	360	290	480	22	7.5
W11Y-25x2500	25	2500	245	370	300	480	22	7.5
W11Y-30x2500	30	3000	245	420	360	550	30	11
W11Y-25x3000	25	3000	245	430	370	550	30	11
W11Y-30x3000	30	3000	245	450	390	600	30	11
W11Y-40x2500	40	2500	245	500	400	600	37	15
W11Y-40x3000	40	3000	245	540	440	600	45	18.5
W11Y-50x3000	50	3000	245	580	480	750	55	22
W11Y-60x3000	60	3000	245	660	560	800	75	30
W11Y-70x3000	70	3000	245	710	620	850	90	37
W11Y-80x3000	80	3000	245	770	680	900	90	37
W11Y-90x3000	90	3000	245	820	730	950	110	45
W11Y-100x3000	100	3000	245	860	770	1000	110	45
W11Y-110x3000	110	3000	245	900	810	1080	132	55
W11Y-120x3000	120	3000	245	950	860	1160	132	55

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W11Y Hydraulics Symmetric Plate Rolling Machine With 3 Rolls

W11Y三辊液压对称式卷板机 ◆

性能特点:

■ 本机结构形式为三辊对称式，上辊在两下辊中央对称位置作垂直升降运动，通过液压缸内的液压油作用于活塞而获得，为液压传动；两下辊为主传动，作旋转运动，通过减速机的输出齿轮与下辊啮合，为卷制板材提供扭矩。本机结构紧凑，操作维修方便。

Performance features:

■ The structure style of this machine is 3 roller symmetrical and is hydraulic transmission. The hydraulic oil in cylinder acting on the piston. Top roller move vertical in the central position between two bottom rollers. Two bottom rollers are main drive. They rotate and supply the torque for bending plate through the output gear of gearbox meshes with bottom roller gear. It's compact and easy maintain.



W11F 3-Roller Mechanical Asymmetrical Plate Rolling Machine

W11F三辊机械非对称式卷板机

结构形式:

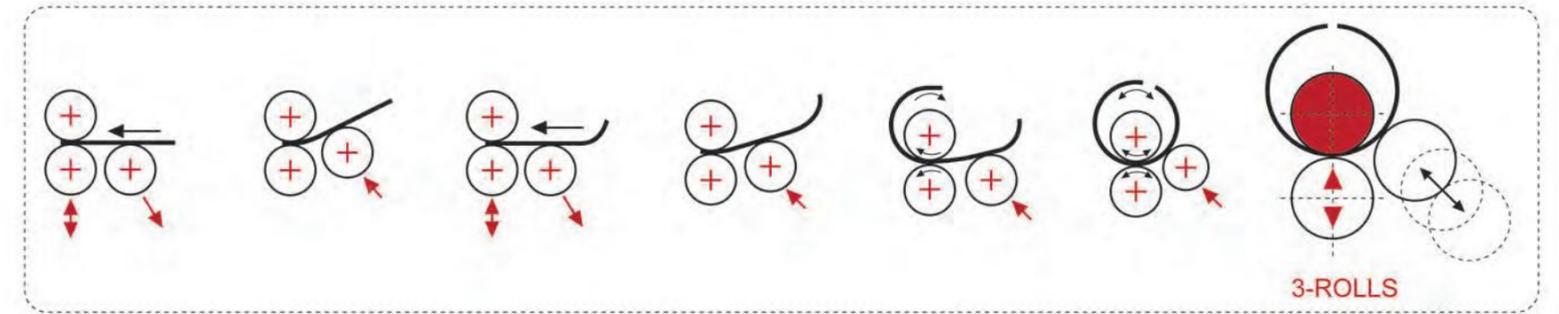
该机结构形式为三辊非对称式，上辊和下辊都为主动辊，下辊垂直升降，便于夹紧板材，通过下辊齿轮与上辊齿轮啮合，带动上辊转动。侧辊作直线倾斜升降运动，完成板材的预弯和卷制。本机结构紧凑，操作维修方便。

Structure style:

The structure style of this machine is 3 roller asymmetrical. Top roller and bottom roller are all main drive roller. The bottom roller lifting up and down to clamp the plate tight. Through the meshing between top roller gear and bottom roller gear to drive the top roller. The side roller move titling to pre-bend the plate and circle. It's compact and easy operate and maintain.



工作原理 Working principle:



W11F三辊机械非对称式卷板机技术参数

W11F 3-roller mechanical asymmetrical plate rolling machine Technical Parameters

型号 Model	最大卷板厚度 Max. Bending thickness (mm)	预弯厚度 Pre-bending thickness (mm)	最大卷板宽度 Max. Bending width (mm)	板材屈服强度 Yield limit (Mpa)	上辊直径 Top roller diameter (mm)	下辊直径 Bottom roller diameter (mm)	侧辊直径 Side roller diameter (mm)	主电机 Main power (Kw)
W11F-2x1000	2	2	1000	245	110	110	110	2.2
W11F-2x1500	2	2	1500	245	120	120	120	2.2
W11F-2x2000	2	2	2000	245	130	130	130	2.2
W11F-3x1000	3	3	1000	245	120	120	120	2.2
W11F-3x1500	3	3	1500	245	130	130	130	2.2
W11F-4x1000	4	4	1000	245	130	130	130	2.2
W11F-4x1500	4	4	1500	245	135	135	135	3
W11F-4x2000	4	4	2000	245	150	150	150	4
W11F-6x1000	6	6	1000	245	140	140	140	3
W11F-6x1500	6	6	1500	245	150	150	150	4
W11F-6x2000	6	6	2000	245	170	170	170	5.5

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性能特点:

- 具有预弯功能；
- 卷圆能够一次成型，提高加工效率；
- 可以卷制小直径圆筒；
- CE认证。

Performance features:

- Initial pinch;
- Once forming, high process efficiency;
- Small diameter cylinder;
- CE certificate.



W11 3-Roller Mechanical Symmetrical Plate Rolling Machine

W11三辊机械对称式卷板机

性能特点:

- 本机结构形式为三辊对称式，上辊在两下辊中央对称位置作垂直升降运动，通过丝杆螺母蜗轮蜗杆传动而获得；两下辊为主传动辊，作旋转运动，通过减速机的输出齿轮与下辊啮合，为卷制板材提供扭矩。本机结构紧凑，操作维修方便。我公司设计的三辊机械对称式卷板机，可以在辊子的一头加装型材模具，方便卷制各种型材。

Performance features:

- The structure style of this machine is 3 roller symmetrical. The top roller do the movement of elevation in the central position of the two bottom rolls. It's transmitted by screw nut and worm gear. Two bottom rolls are main drive rolls. They rotate by the meshing between the output gear of the gear box and the bottom roller and supply the torque for bending plate. It's compact, easy operate and maintain. Extended shaft for profile bending.

W11三辊机械对称式卷板机技术参数

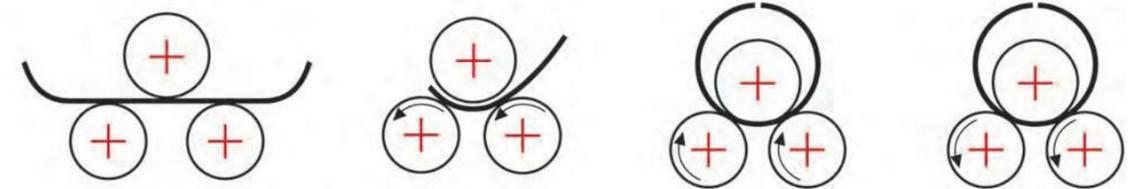
W11 3-Roller Mechanical Symmetrical Plate Rolling Machine Technical Parameters

型号 Model	最大卷板厚度 Max. Bending thickness (mm)	最大卷板宽度 Max. Bending width (mm)	板材屈服强度 Yield limit (Mpa)	卷板速度 Coiling Speed (m/min)	上辊直径 Top roller diameter (mm)	下辊直径 Bottom roller diameter (mm)	下辊中心距 Central distance (mm)	主电机 Main power (Kw)
W11-4x1500	4	1500	245	5	150	140	200	4
W11-4x2000	4	2000	245	5	160	150	220	4
W11-6x1500	6	1500	245	5	160	150	220	4
W11-6x2000	6	2000	245	5	170	160	220	5.5
W11-6x2500	6	2500	245	4.5	180	170	250	5.5
W11-8x1500	8	1500	245	5	170	160	220	5.5
W11-8x2000	8	2000	245	4.5	180	170	250	5.5
W11-8x2500	8	2500	245	4.5	240	180	280	7.5
W11-12x2000	12	2000	245	4.5	240	180	280	7.5
W11-12x2500	12	2500	245	4.5	260	220	320	11
W11-12x3000	12	3000	245	4	280	240	360	11
W11-16x2000	16	2000	245	4.5	260	220	320	11
W11-16x2500	16	2500	245	4	280	240	360	11
W11-16x3000	16	3000	245	4	340	270	440	15
W11-20x2000	20	2000	245	4	280	240	360	11
W11-20x2500	20	2500	245	4	340	270	440	15
W11-25x2000	25	2000	245	4	340	270	440	15
W11-25x2500	25	2500	245	4	370	280	480	22
W11-30x2000	30	2000	245	4	370	280	480	22
W11-30x2500	30	2500	245	4	420	360	550	30
W11-30x3000	30	3000	245	4	450	390	600	30
W11-40x2500	40	2500	245	4	500	400	600	37

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工作原理

Working principle:





W11 3-Roller Mechanical Symmetrical Plate Rolling Machine (Export)

W11三辊机械对称式卷板机（外贸出口）◆

性能特点:

- 本机结构形式为三辊对称式，上辊在两下辊中央对称位置作垂直升降运动，通过丝杆螺母蜗轮蜗杆传动而获得；两下辊为主传动辊，作旋转运动，通过减速机的输出齿轮与下辊啮合，为卷制板材提供扭矩。本机床结构紧凑，操作维修方便。我公司设计的三辊机械对称式卷板机，可以在辊子的一头加装型材模具，方便卷制各种型材。



Performance features:

- The structure style of this machine is 3 roller symmetrical. The top roller do the movement of elevation in the central position of the two bottom rolls. It's transmitted by screw nut and worm gear. Two bottom rolls are main drive rolls. They rotate by the meshing between the output gear of the gear box and the bottom roller and supply the torque for bending plate. It's compact, easy operate and maintain. Extended shaft for profile bending.



W11XNC水平下调式卷板机技术参数

W11XNC Level Down Adjust Plate Rolling Machine Technical Parameters

型号 Model	最大卷板厚度 Max. Bending thickness (mm)	预弯厚度 Pre-Bending thickness (mm)	最大卷板宽度 Max. Bending width (mm)	板材屈服强度 Yield limit (Mpa)	上辊直径 Top roller diameter (mm)	下辊直径 Bottom roller diameter (mm)	下辊中心距 Central distance (mm)	卷板速度 Coiling Speed (m/min)	主电机功率 Main power (Kw)
W11XNC-60×3200	60	50	3200	245	700	560	700	4	2x22
W11XNC-60×4000	60	50	4000	245	760	600	850	4	2x30
W11XNC-70×3200	70	60	3200	245	720	600	900	4	2x30
W11XNC-70×4000	70	60	4000	245	820	630	900	4	2x30
W11XNC-80×3000	80	70	3000	245	770	600	900	4	2x30
W11XNC-80×4000	80	70	4000	245	900	700	1000	4	2x30
W11XNC-100×3000	100	85	3000	245	900	680	1000	4	4x22
W11XNC-100×4000	100	85	4000	245	980	500	1050	4	4x30
W11XNC-120×3000	120	100	3000	245	950	720	1050	4	4x30
W11XNC-120×4000	120	100	4000	245	1020	550	1050	4	4x30

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W11XNC Level Down Adjust Plate Rolling Machine

W11XNC水平下调式卷板机 ◆



性能特点:

- W11XNC系列水平下调式卷板机，三辊均为主动辊，上辊的升降和下辊的水平移动为液压驱动，主油缸下置式，同步由计算机控制。该设备结构紧凑，外形尺寸小，卷制制品精度高，特别适用于冷、热卷板机。

Performance features:

- W11XNC series of horizontal-down rolling machine, three rollers are active roll on roll lifting and horizontal movement of the lower rollers are hydraulically driven, the main fuel tank mounted, synchronized by computer control. The device is compact, small size, high precision rolled products, particularly suitable for hot and cold rolling machine.



W11NC Trailer Rolling Machine

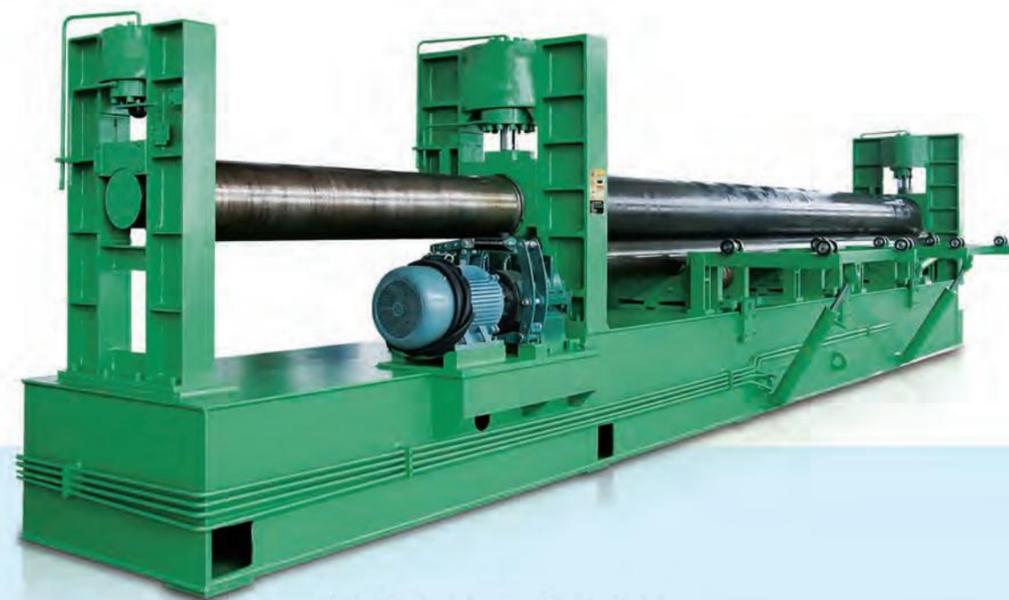
W11NC车用卷板机

W11NC车用卷板机技术参数

W11NC Trailer Rolling Machine Technical Parameters

型号 Model	最大卷板厚度 Max. Bending thickness (mm)	最大卷板宽度 Max. Bending width (mm)	最大预弯板厚 Max. pre-rolling thickness (mm)	上辊直径 Top roller diameter (mm)	主电机 Main power (Kw)
W11NC-9x5000	9	5000	7	400	15
W11NC-8x6000	8	6000	6	430	15
W11NC-10x6000	10	6000	8	450	18.5
W11NC-10x9000	10	9000	8	530	30
W11NC-12x6000	12	6000	10	470	22
W11NC-12x9000	12	9000	10	540	37
W11NC-16x6000	16	6000	14	510	30

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性能特点:

- 对称上调式：上工作辊可做垂直方向的升降运动，两下工作辊位置相对不变；
- 上辊万能式：上工作辊在垂直方向升降运动，又可在水平方向平移运动，两下工作辊位置相对不变；
- 带上横梁式：在上辊上部设置压辊，压辊安装在上横梁的下部，提高上辊的刚度，且上辊直径较小，有利于卷制圆角半径较小的罐体。

Performance features:

- The symmetrical up roller adjust series: Up work roller can lift up and down move in vertical direction, the distance between two bottom rollers is fixed.
- Up roller universal series: Up work roller can lift up and down move in vertical direction, and parallel move in horizontal direction, the distance between two bottom rollers is fixed.
- With up separator series: Equipped press rollers up on up work roller, and press rollers installed in the lower part of up separator, can to improve stiffness of up roller, and up roller with small diameter at the same time, suitable to bend the workpiece with small diameters.

性能特点:

- W11NC系列船舶专用卷板机，主要用来卷制船舶外壳等圆弧板和压制槽形舱壁。根据客户的要求，可以设计成对称式和非对称式三辊卷板机，上辊上部设有刚性大梁，上辊与大梁之间和下辊下部有多组托辊，以提高上下辊的刚度，三辊全驱动。

Performance features:

- W11NC series coil special ship machine, mainly used for rolling ship shell arc board and pressed corrugated bulkhead. According to customer requirements, can be designed into symmetric and asymmetric three roll plate bending machine, roller is arranged on the upper part of the rigid beam, between the upper roller and the lower crossbeam and the lower roll has a plurality of roller, to improve on the roll stiffness, three roll fully drive.

W11NC Marine Rolling Machine

W11NC船用卷板机



W11NC船用卷板机技术参数

W11NC Marine Rolling Machine Technical Parameters

型号 Model	最大卷板厚度 Max. Bending thickness (mm)	最大卷板宽度 Max. Bending width (mm)	板材屈服极限 Yielding limit of sheet metal (Mpa)	主电机 Main power (Kw)
W11NC-20X8000	20	8000	245	55
W11NC-25X12000	25	12000	245	90
W11NC-30X12000	30	12000	245	110
W11NC-30X16000	30	16000	245	2X75
W11NC-40X18000	40	18000	245	2X90
W11NC-40X21000	40	21000	245	2X90

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W24S Full Hydraulics Profile Bending Machine

W24S全液压型材弯曲机 ◆

设备概述:

- 型材弯曲机是一种专用于卷弯角钢、槽钢、工字钢、扁钢、方钢、方管、圆钢、圆管等。各种异型材的高效加工设备，可一次上料完成卷圆、校圆工序，广泛用于石油、化工、水电、航天航空、造船、机械制造等行业。

性能特点:

- W24S弧线下调式型材弯曲机全液压传动，电气集中控制，数字显示，一次上料即可完成型材的预弯、卷圆和校圆等工序；
- 上辊位置固定，两下辊围绕固定回转中心作弧线升降运动，可单独升降或同升同降；
- 三辊均为主动辊，其动力由液压马达提供，不易打滑，薄壁材料亦可弯曲；
- 两侧设有托辊装置，有利于保证非对称截面型材卷制质量；
- 功能齐全，更换模具，可卷制各种型材；
- 卧式、立式可选；
- 根据客户需求，有NC、CNC机型选择；
- 通过CE认证。

Equipment statement:

- This profile bending machine is a high efficiency equipment used to bend all kinds of profiles such as angle, channel, I-beam, flat bar, square tube, tube, pipe and so on. Once feeding then finish bending and pre-bending. It is widely in petrol, chemical, shipyard, metal working and machine manufacturing industries.

Features:

- Full hydraulic transmission, electrical centralize control, digital read out, once feeding without return to finish bending and pre-bending and other process.
- Top roller fixed, two bottom roller move by arc lifting around a fixed center. they can rising and falling separately also can rising and falling at the same time.
- Three drive rolls mounted with hydraulic motor, without slipping, even for thinner material can be bent.
- Side guid rollers to ensure the high quality for asymmetrical section bending.
- Full function, various profile can be bent by replace the mold.
- Vertical and horizontal optional.
- NC or CNC can optional by customer.
- CE certificate.



W24S Full Hydraulics Profile Bending Machine

W24S全液压型材弯曲机

W24S弧线下调式型材弯曲机技术参数

W24S Full Hydraulics Profile Bending Machine Technical Parameters

技术参数 Technical data			W24S(WY24-)											
			6	16	30	45	75	100	140	180	260	320	400	500
最大抗弯截面模量 Max. bending resistant modulus			6	16	30	45	75	100	140	180	260	320	400	500
卷板速度 (m/min) Bending speed			6			5			4					
屈服强度 (mpa) Yield limit			δ S=250											
	角钢内弯 Angle, inner bending	最大弯曲尺寸 (mm) Max. section size	40x5	70x8	80x8	90x10	100x10	120x12	140x16	150x16	160x16	180x14	200x18	200x20
	角钢外弯 Angle, outer bending	最大弯曲尺寸 (mm) Max. section size	50x5	80x8	90x10	100x10	120x12	140x16	150x16	160x16	180x14	200x18	200x24	250x25
	槽钢外弯 Channel, outer bending	最大弯曲尺寸 (mm) Channel size	8	12	16	20	25	28	30	32	36	40	45	50
	槽钢内弯 Channel, inner bending	最大弯曲尺寸 (mm) Channel size	8	12	16	20	25	28	30	32	36	40	45	50
	扁钢平弯 Plate, flat bending	最大弯曲尺寸 (mm) Max. section size	100x18	150x25	180x25	200x30	220x40	250x40	280x50	300x50	330x50	360x60	400x75	500x76
	扁钢立弯 Plate, vertical bending	最大弯曲尺寸 (mm) Max. section Dia.	50x12	75x16	90x20	100x25	110x40	120x40	150x40	180x30	190x40	190x50	200x50	200x60
	圆管 Tube bending	最大弯曲尺寸 (mm) Max. section size	42x4	76x4.5	89x5	89x8	114x5	159x5	168x6	168x8	219x8	245x8	273x8	323x10
	圆棒 Rod bending	最大弯曲尺寸 (mm) Max. section size	38	52	62	75	85	90	100	110	120	135	150	160
	方管 Square bending	最大弯曲尺寸 (mm) Max. section size	45x3	60x4	70x4	80x6	90x8	100x10	125x10	140x10	150x10	165x10	180x12	200x12

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WYQ24 Half hydraulics profile bending machine

WYQ24半液压型材弯曲机

性能特点:

- WYQ24系列半液压型材弯曲机广泛用于石油化工、航天航空、水电、造船、机械制造等行业，可一次上料完成卷圆、校圆工序。该机两下辊固定，上辊液压垂直升降，三辊均为主动辊，其动力由液压马达提供。机器两侧设有托辊装置，有利于保证非对称截面型材卷制质量。本机结构先进，工作可靠，体积小，功能齐全，是目前国内外先进的型材成型设备。

Performance features:

- WYQ24 series is half hydraulic type profile bending machine. It is widely in petrol, chemical, shipyard, metal working and machine manufacturing industries. Once feeding can finish bending and checking circle. Two bottom rollers fixed, top roller lifting by hydraulic oil tank. Three drive rolls, the power come from hydraulic motor. The side guide rollers ensure the high quality bending of asymmetric profiles. Advanced and reliable structure. Small volume and full function. It's an advanced metal forming equipment in the world at present.

WQJ-400 / WQJY-50 Light Duty Profile Bending Machine

WQJ-400/WQJY-50小型型材弯曲机

性能特点:

- 小型型材弯曲机分为手动型和液压型。
- 该机两下辊固定，通过电动机、减速机带动两下辊旋转，为卷制型材提供扭矩；
- 上辊垂直升降，手动旋转丝杠升降或液压升降；
- 机器两侧设有托辊装置，保证型材卷制质量。
- 本机操作简单，体积小，功能齐全，通过更换模具可以卷制各种型材。

Performance features:

- This light duty profile bending machine include manual type and hydraulics type.
- The two bottom rolls fixed and rotate which driven by electromotor and gear box to supply the torque for bending plate.
- The top roller move elevation through adjust the height of the screw pole by manual or the hydraulics cylinder.
- The side guide rolls install in the two sides of the machine to ensure the bending quality.
- It's easy operate, small volume and full function. It can roll all kinds of profiles by replace the mold.

WQJ-400 (手动型)



WQJY-50 (液压型)

我们提供标准模具一套，如果加工的型材种类繁多，需要另外订购模具。
We provide a set of standard mould, if u will bend various kinds of profile, u need to order more sets of mould.

型材 Profile	截面积 Dim.	型材 Profile	截面积 Dim.
	50 × 10		50 × 50 × 6
	80 × 15		60 × 1.5
	30		38 × 3
	30		40 × 40 × 3
	40 × 40 × 5		50 × 30 × 3
	35 × 35 × 5		50 × 25 × 5
	50 × 50 × 6		50 × 25 × 5

由于产品在不断的改进中，如出现样本技术数据与产品实际数据有不一致处，应遵照双方的技术协议参数。不再另行通知。
Description and specification given in this catalogue are subject to modification without notice.

