

Innovative Rolling Machine Technology



WM | 11&12 HYDRAULICS PLATE ROLLING MACHINE WITH 4 & 3 ROLLS



WHALE MACHINERIES

A Unit of Whale Enterprise

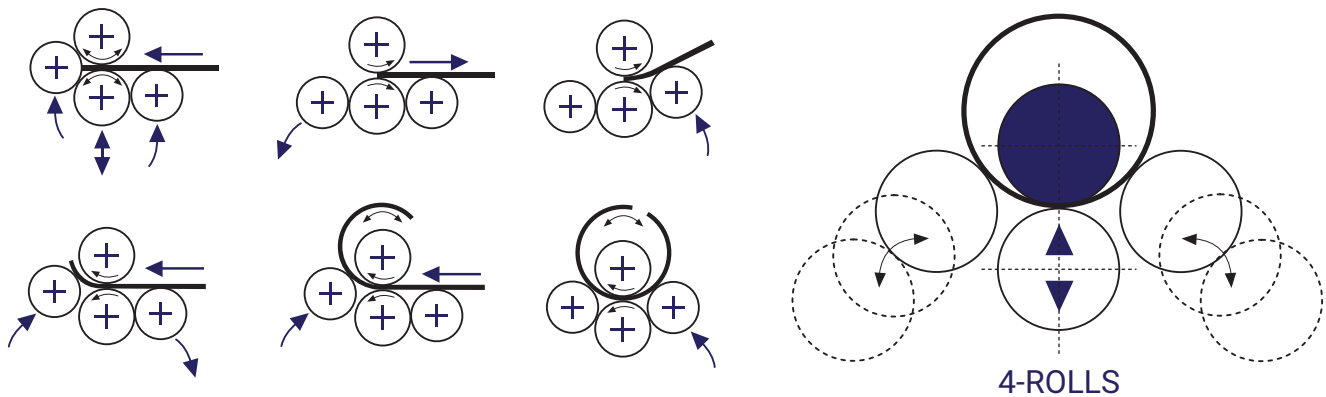
A Versatile and extensive range

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 cycle 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 roller rotate. And supply the torque for the 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 raising to clamp the plate and the side roller title up to pre-bend the end of the plate.

WORKING PRINCIPLE



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:



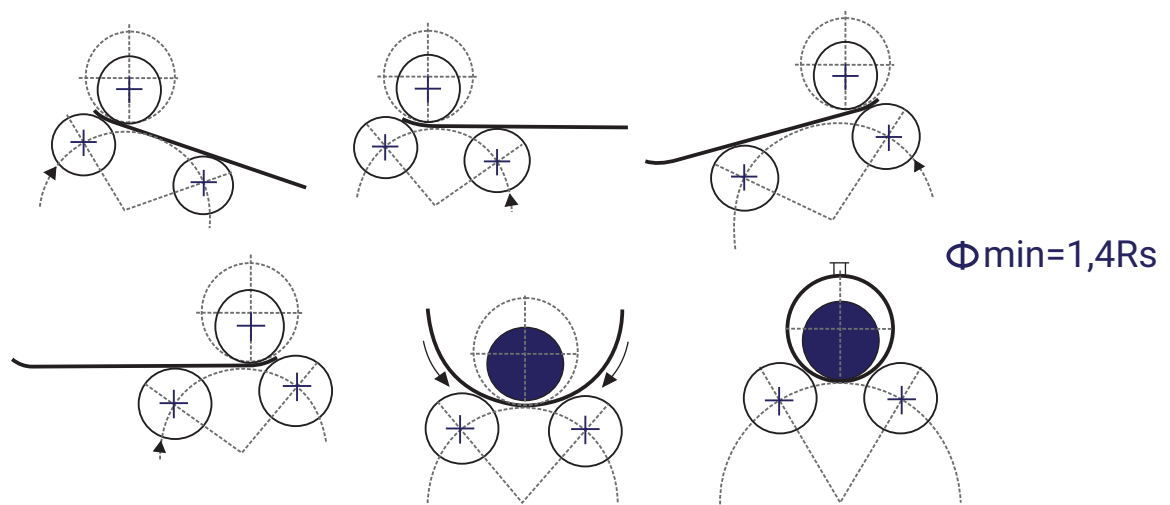
W12 Hydraulics Plate Rolling Machine With 4 Rolls Technical Parameters

Model	Max.Bending thickness (mm)	Pre-bending thickness (mm)	Max.Working length of rolls (mm)	Yield limit (Mpa)	Top roller diameter (mm)	Bottom roller diameter (mm)	Side roller diameter (mm)	Mainpower (kw)
WM12-4x2000	4	3.5	2050	245	160	140	120	3
WM12-6x2000	6	5	2050	245	190	170	150	4
WM12-8x2000	8	6.5	2050	245	210	190	170	5.5
WM12-10x2000	10	8	2050	245	230	210	190	7.5
WM12-12x2000	12	10	2050	245	270	250	210	11
WM12-16x2000	16	13	2050	245	300	270	220	11
WM12-20x2000	20	16	2050	245	330	300	240	11
WM12-25x2000	25	20	2050	245	360	330	250	15
WM12-30x2000	30	25	2050	245	390	360	300	18.5
WM12-35x2000	35	28	2050	245	430	390	330	22
WM12-40x2000	40	32	2050	245	460	420	360	30
WM12-45x2000	45	36	2050	245	510	460	390	37
WM12-50x2000	50	40	2050	245	550	510	420	45
WM12-4x2500	4	3.5	2550	245	190	170	150	4
WM12-6x2500	6	5	2550	245	210	190	170	5.5
WM12-8x2500	8	6.5	2550	245	230	210	190	7.5
WM12-10x2500	10	8	2550	245	270	250	210	11
WM12-12x2500	12	10	2550	245	300	270	220	11
WM12-16x2500	16	13	2550	245	330	300	240	11
WM12-20x2500	20	16	2550	245	360	330	250	15
WM12-25x2500	25	20	2550	245	390	360	300	18.5
WM12-30x2500	30	25	2550	245	430	390	330	22
WM12-35x2500	35	28	2550	245	460	420	360	30
WM12-40x2500	40	32	2550	245	510	460	390	37
WM12-45x2500	45	36	2550	245	550	510	420	45
WM12-4x3000	4	3.5	3100	245	210	190	170	5.5
WM12-6x3000	6	5	3100	245	230	210	190	7.5
WM12-8x3000	8	6.5	3100	245	270	250	210	11
WM12-10x3000	10	8	3100	245	300	270	220	11
WM12-12x3000	12	10	3100	245	330	300	240	11
WM12-16x3000	16	13	3100	245	360	330	250	15
WM12-20x3000	20	16	3100	245	390	360	300	18.5
WM12-25x3000	25	20	3100	245	430	390	330	22
WM12-30x3000	30	25	3100	245	460	420	360	30
WM12-35x3000	35	28	3100	245	510	460	390	37
WM12-40x3000	40	32	3100	245	550	510	420	45
WM12-50x3000	50	40	3100	245	610	560	480	55
WM12-60x3000	60	48	3100	245	670	620	520	75

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 hydraulics. Digital readout for lifting displacement.

WORKING PRINCIPLE



PERFORMANCE FEATURES

- Movable control panel, it's easy to 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.



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

Model	Max.Bending thickness (mm)	Pre-bending thickness (mm)	Max.Bending width (mm)	Yield limit (Mpa)	Top roller diameter (mm)	Bottom roller diameter(mm)	Mainpower(Kw)
WM11H-6x2000	6	5	2000	245	160	160	4
WM11H-4x2500	4	3.5	2500	245	160	160	4
WM11H-8x2000	8	6.5	2000	245	190	190	5.5
WM11H-6x2500	6	5	2500	245	190	190	5.5
WM11H-10x2000	10	8	2000	245	210	210	7.5
WM11H-8x2500	8	6.5	2500	245	210	210	7.5
WM11H-6x3000	6	5	3000	245	210	210	7.5
WM11H-12x2000	12	10	2000	245	230	230	11
WM11H-10x2500	10	8	2500	245	230	230	11
WM11H-8x3000	8	6.5	3000	245	230	230	11
WM11H-16x2000	16	13	2000	245	270	270	11
WM11H-12x2500	12	10	2500	245	270	270	11
WM11H-10x3000	10	8	3000	245	270	270	11
WM11H-20x2000	20	16	2000	245	300	300	11
WM11H-16x2500	16	13	2500	245	300	300	11
WM11H-12x3000	12	10	3000	245	300	300	11
WM11H-20x2500	20	16	2500	245	330	330	15
WM11H-16x3000	16	13	3000	245	330	330	15
WM11H-25x2500	25	20	2500	245	360	360	18.5
WM11H-20x3000	20	16	3000	245	360	360	18.5
WM11H-30x2500	30	25	2500	245	390	390	22
WM11H-25x3000	25	20	3000	245	390	390	22
WM11H-30x3000	30	25	3000	245	420	420	30



THE COMPANY

Under the visionary leadership of our Managing Director, Mr. Mark Warmington, Whale Tankers aims to establish the "WHALE" brand on a global scale. Harnessing innovative technology, dedicated research and expertise, our vision has evolved into a mission, embarked on a remarkable journey with the creation of a new division "WHALE MACHINERIES"- Commitment to Excellence, aimed at serving global markets.

OUR STORY

Our journey began with the vision of creating a comprehensive range of tankers that meet the specific requirements of Indian applications. With over five decades of experience in Europe, we brought our expertise and philosophy to India, focusing on delivering long-term value to our customers.

TRAINING

Central to Whale's success is not only the training of its staff but also the provision of structured training for its product. This meets the changing needs of today's laser solutions. The company is also respected for its onsite commissioning of all new products.

QUALITY

Whale Machineries cares about quality across all aspects of its business. Indeed it is a word that characterises the company. Whale complies to ISO 9001 : 2015 accredited by TUV, Europe and all Whale products fully comply with all relevant legislation and regulations. It also has the benefit from being supported by its UK parent company Whale Tankers the largest manufacturer of vacuum tankers and jetting equipment in Europe.

Reliability, Service, Value ... for Life

WHALE MACHINERIES
A Unit of Whale Enterprise

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