Dishaa®

HYDRAULIC ROLLING MACHINE

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3-ROLLER PLATE ROLLING

3-Roller Plate Rolling Machine for Shipbuilding

Technical Parameters

Model	Max bending thickness (mm)	Plate width(mm)	Yielding Linit Mpa	Diameter of upper roller(mm)	Main motor power (kw)
DW11V-5X7000	5	7000	245	440	11
DW11V-6X9500	6	9500	245	500	15
DW11V-8X6000	8	6000	245	420	15
DW11V-8X7000	8	7000	245	450	15
DW11V-8X8000	8	8000	245	470	15
DW11V-8X9500	8	9500	245	510	15
DW11V-10X6000	10	6000	245	440	15
DW11V-10X9000	10	9000	245	470	15
DW11V-12X6000	12	6000	245	460	15
DW11V-12X9000	12	9000	245	530	22
DW11V-16X6000	16	6000	245	500	22
DW11V-20X6000	20	6000	235	550	30

Technical Parameters

Model type	Max. thickness (mm)	Yield limit (Mpa)	Max. width (mm)	Max. thickness (mm)	Diameter of upper roller(mm)	Rolling speed (m/min)	Main motor power(Kw)	Outline size (mm)	Weight (kg)
DW11H-4X2500	2	245	2500	2	160	5.2	5.5	3.17X1.17X1.32	4600
DW11H-6X2000	4	245	2000	6	160	5.2	5.5	3.21X1.17X1.31	4000
DW11H-6X2500	4	245	2500	6	190	5	5.5	3.71X1.17X1.31	5800
DW11H-8X2000	5	245	2000	8	190	5	5.5	3.21X1.17X1.31	4200
DW11H-8X2500	5	245	2500	8	230	5	5.5	4.65X1.32X1.45	6200
DW11H-8X3200	6	245	3200	8	270	5	7.5	5.12X1.62X1.62	7300
DW11H-12X2000	8	245	2000	12	230	5	5.5	4.15X1.32X1.49	6000
DW11H-12X2500	8	245	2500	12	270	4.5	7.5	4.42X1.62X1.64	7000
DW11H-12X3200	8	245	3200	12	300	5	18.5	5.58X1.36X1.49	9200
DW11H-16X2000	12	245	2000	16	270	5	7.5	3.29X1.62X1.62	6800
DW11H-16X2500	12	245	2500	16	300	5	18.5	4.88X1.36X1.49	8400
DW11H-16X3200	12	245	3200	16	330	5	18.5	5.33X1.96X1.75	13500
DW11H-16X4000	12	245	4000	16	380	5	18.5	6.13X1.96X1.75	18000
DW11H-20X2000	14	245	2000	20	300	5	18.5	4.38X1.36X1.49	8000
DW11H-20X2500	14	245	2500	20	330	4	18.5	4.63X1.96X1.75	12000
DW11H-20X3200	14	245	3200	20	330	4	18.5	5.33X1.96X1.75	15000
DW11H-25X2000	20	245	2000	25	330	4	18.5	4.63X1.96X1.75	13000
DW11H-25X3200	20	245	3200	25	420	4	22	5.3X2.42X2.51	22000
DW11H-32X2000	25	245	2000	32	360	4	22	4.5X2.42X2.51	16000
DW11H-35X2500	25	245	2500	35	460	4	30	5.7X2.85X2.97	22000

Specifications are subject to change without prior notice

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3-ROLLER PLATE ROLLING

3-Roller Plate Rolling Machine for Vehicle

Technical Parameters

Model	Max bending thickness(mm)	Max plate width(mm)	Yielding Linit(Mpa)	Main motor power(kw)
DW11C-20X8000	20	8000	245	45
DW11C-25X12000	25	12000	245	55
DW11C-30X12000	30	12000	245	75
DW11C-30X16000	30	16000	245	110

The Other 3-Roller Plate Rolling Machine

Technical Parameters

Specification	Max. thickness of colied plate (mm)	Max. width of coiled plate (mm)	Max. thickness prefiex (mm)	Yield limit (Mpa)	Diameter of upper roller (mm)	Main motor power(KW)
DW11XNC-35X3000	35	3000	30	245	520	45
DW11XNC-40X2500	40	2500	35	245	510	45
DW11XNC-40X3000	40	3000	35	245	550	55
DW11XNC-40X4000	40	4000	32	245	630	55
DW11XNC-55X3000	55	3000	45	245	630	75
DW11XNC-65X4000	65	4000	60	245	840	90
DW11XNC-75X3000	75	3000	65	245	750	90
DW11XNC-90X3000	90	3000	75	245	820	110
DW11XNC-100X3000	100	3000	90	245	880	110
DW11XNC-120X3000	120	3000	100	245	920	132
DW11XNC-160X4000	160	4000	130	245	1280	220

CNC 4-ROLLER PLATE ROLLING

CNC 4-Roller Plate Rolling Machine

Advantages

1.Hydraulic-driven, high efficiency(driving power equivalent 60% traditional;
2.Permanent lubrication technology(bearing life period without refueling);
3.Clamping pressure is adjustable(non-existent skidding, productivity is 50-80% than three roller plate rolling clamping);
4.Rolling diameter can catch 1.1 times of the top roller;
5.It can meet many kinds of demands

Following users apply to use the machine:
1.Operators to lack of experience and require high efficiency;
2.Require high accuracy to improve products quality;
3.Only need one operator to reduce labor costs;
4.Require conveying device, feeding device and support device because of large size plate or high productivity or security;
5.Require CNC operation to reduce errors caused by human factors.

Specifications are subject to change without prior notice

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CNC 4-ROLLER PLATE ROLLING

Technical Parameters

Specifications & models	Max.Pre-rolling thickness(mm)	Max.Rolling thickness(mm)	Diameter of upper roller(mm)	Plate width (mm)	Main motor power(kw)
DW12-3X1500	2	3	135	1500	2.2
DW12-5X1500	3	5	190	1500	4
DW12-10X2000	8	10	240	2000	11
DW12-10X2500	8	10	260	2500	15
DW12-12X2000	10	12	260	2000	15
DW12-15X2000	12	15	265	2000	18.5
DW12-15X2500	12	15	280	2500	22
DW12-20X2000	16	20	300	2000	30
DW12-20X2500	16	20	340	2500	30
DW12-25X2500	20	25	390	2500	30+7.5
DW12-25X3000	20	25	420	3000	37+7.5
DW12-30X2500	25	30	420	2500	37+7.5
DW12-30X3000	25	30	460	3000	45
DW12-35X2500	30	35	460	2500	45
DW12-35X3000	30	35	510	3000	55
DW12-35X3500	30	35	550	3500	55
DW12-40X2500	35	40	510	2500	55
DW12-40X3000	35	40	550	3000	55
DW12-40X3500	35	40	560	3500	55+7.5
DW12-50X2500	45	50	560	2500	55+7.5
DW12-50X3000	45	50	605	3000	55
DW12-50X3500	45	50	640	3500	75
DW12-60X3000	50	60	670	3000	75
DW12-60X3500	50	60	700	3500	75
DW12-70X3000	65	70	720	3000	90
DW12-70X3500	65	70	760	3500	90
DW12-80X3000	70	80	780	3000	90
DW12-80X3500	70	80	840	3500	55X2
DW12-80X4000	70	80	870	4000	55X2
DW12-90X3000	80	90	810	3000	75X2
DW12-90X3500	80	90	890	3500	75X2
DW12-90X4000	80	90	925	4000	75X2
DW12-100X3000	85	100	850	3000	45X4
DW12-100X3500	85	100	925	3500	45X4
DW12-100X4000	85	100	960	4000	45X4
DW12-120X3000	100	120	940	3000	55X4
DW12-120X3500	100	120	980	3500	55X4
DW12-120X4000	100	120	1020	4000	55X4
DW12-140X3000	115	140	1000	3000	75X4
DW12-160X3500	130	160	1220	3500	90X4
DW12-180X3000	150	180	1280	3500	55X8
DW12-200X4000	160	200	1500	4000	75X8

Upper Roller Universal Plate Rolling Machine

Technical Parameters

Model	Pressureon the upper roller(Tons)	Max Pre-bending thickness(mm)	Max bending thickness(mm)	Diameter of the upper roller(mm)	Max plate width(mm)	Main motor power(kw)
DW11S-8X1500	55	6	8	175	1500	3
DW11S-10X2000	60	8	10	235	2000	4
DW11S-10X2500	60	8	10	255	2500	5.5
DW11S-12X1500	60	10	12	245	1500	4
DW11S-12X2000	75	10	12	250	2000	5.5
DW11S-12X2500	75	10	12	270	2500	7.5
DW11S-13X3000	75	11	13	290	3000	7.5
DW11S-14X2500	75	11	14	270	2500	7.5
DW11S-15X2000	75	12	15	255	2000	7.5
DW11S-15X3000	100	12	15	325	3000	7.5
DW11S-16X2000	100	12	16	255	2000	7.5
DW11S-16X2500	100	12	16	300	2500	11
DW11S-20X2000	130	16	20	260	2000	11
DW11S-20X2500	130	16	20	330	2500	15
DW11S-25X2500	200	20	25	380	2500	18.5
DW11S-25X3000	200	20	25	430	3000	22
DW11S-30X2500	230	25	30	410	2500	22
DW11S-30X3000	270	25	30	450	3000	30
DW11S-35X2500	270	30	35	460	2500	30
DW11S-35X3000	300	30	35	500	3000	37
DW11S-40X2500	380	35	40	500	2500	37
DW11S-40X3000	380	35	40	540	3000	45
DW11S-50X3000	610	40	50	580	3000	55
DW11S-50X3500	610	40	50	620	3500	55
DW11S-60X3000	690	50	60	650	3000	55
DW11S-60X3500	690	50	60	680	3500	75
DW11S-60X4000	690	50	60	780	4000	75
DW11S-70X3000	850	60	70	710	3000	75
DW11S-70X3500	850	60	70	740	3500	75
DW11S-80X3000	930	70	80	760	3000	75
DW11S-80X3500	930	70	80	820	3500	75
DW11S-80X4000	930	70	80	860	4000	90
DW11S-100X3000	1150	90	100	820	3000	90
DW11S-100X3500	1150	90	100	860	3500	90
DW11S-100X4000	1350	90	100	900	4000	90
DW11S-120X3000	1350	100	120	860	3000	110
DW11S-120X4000	1600	100	120	990	4000	110
DW11S-125X3000	1600	105	125	880	3000	110
DW11S-160X4000	1800	130	160	1260	4000	2X90
DW11S-200X4000	2000	170	200	1480	4000	2X132

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PLATE ROLLING

Hydraulic Symmetric 3-Roller Plate Rolling Machine

Technical Parameters

Model	Max. Bending Thickness (mm)	Max. Plate Width (mm)	Yielding limit of sheet metal (Mpa)	Rolling speed (m/min)	Min. Bending Diameter (mm)	Diameter of upper roller	Diameter of lower roller	Main motor power (kw)
DW11NC-20X3000	25	3000	245	4	1200	430	370	30
DW11NC-25X2500	25	2500	245	4	1200	370	300	22
DW11NC-30X2000	30	2000	245	4	1200	360	290	22
DW11NC-30X3000	30	3000	245	4	1200	450	390	30
DW11NC-40X3000	40	3000	245	3.5	1600	540	440	45
DW11NC-50X3000	50	3000	245	3.5	2000	580	480	55
DW11NC-60X3000	60	3000	245	3.5	2400	660	560	75
DW11NC-70X3000	70	3000	245	3.5	2800	710	620	90
DW11NC-80X3000	80	3000	245	3.5	3200	770	680	90
DW11NC-90X3000	90	3000	245	3.5	3600	820	730	110
DW11NC-100X3000	100	3000	245	3.5	4000	860	770	110
DW11NC-110X3000	110	3000	245	3.5	4400	900	810	132
DW11NC-120X3000	120	3000	245	3.5	4800	950	860	132

Oil and Gas Transmission Pipe Rolling Machine

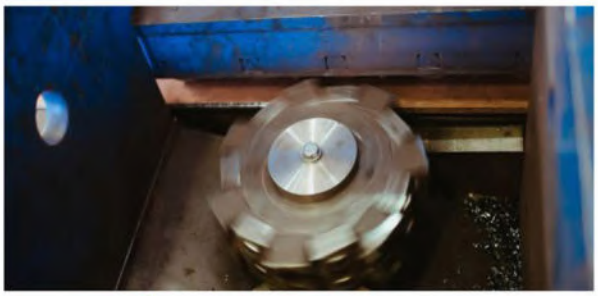

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PLATE ROLLING

Technical Parameters

Model	Bending thickness (mm)	Max.Plate width (mm)	Diameter of upper roller(mm)	Main motor power (kw)
DW11G-16X12000	3~16	12000	480	90
DW11G-20X12000	3~20	12000	510	110
DW11G-30X12000	4~30	12000	600	150
DW11G-40X12000	5~40	12000	800	220

Features

The plate rolling machine for small diameter of thick plate is our patent machine developed by learning some experience from foreign country. We introduce foreign technology and combine with domestic machine features to develop our own patent plate railing machine for rolling smaller diameter. The working performance of the kind machine is better than the similar machine in domestic, and it is of high efficiency, low energy, easy operation.

Unique Advantages

1.The smallest diameter can be cheived is 12.5 times of plate thickness for cold rolling;

Unique Advantages

1.The smallest diameter can be acheived is 12.5 times of plate thickness for cold rolling;
2.We use the pressing down beam to remove the deflection of top roller when rolling small diameter;
3.The straightness of rolled round cylinder can be controlled within 1/2000;
4.The distance between two lower can be adjusted, the pre-bending and bending can be both acheived;
5.The misallignment is prevented effectively by auto aligning device;
6.The rolling process is automatic due to computer control.

It includes below technology:

1.Upper roll use the anti-deformation method to eliminate the deflection in manufacturing process;
2. We use a few groups oil cylinders to add pressure on the both sides of top roller, and the pison of oil cylinder is fixed, up-down movement to drive top roller seat ove up-down, which use the space effectively, increase the material utilization and reduce the weight of whole machine;
3.When discharging the products, it is from the inside of the rack without to turnover and rest , enhanced security;
4.All of the discharging of the product all use the automatic cylinder (another patent technology of our company), suitable for line production.