

PROFILE BENDING MACHINE

— GJW24 SERIES



GJW24 Horizontal Profile Bending Machine

Product Description



The profiles bending machine we manufactured is a high efficiency equipment for bending profiles with various specifications, for example, channel steel, angle iron, H beam steel, I beam steel, flat steel, square tube, round and square pipe, can pre-bend the end of profiles and bend to round, ring, arc, spiral work piece, widely used in aerospace , petrochemical , hydropower , shipbuilding, automobile manufacturing, machinery manufacturing, and steel structure and so on.

Structural Features



1. Bending dies or tooling can be tailored according to customer's profile size. Due to tempering and quenching treatment, they offer desired surface hardness and wear resistance.
2. Two lower rolls can rotate around a fixed center for pre-bending the profiles.
3. This metal forming machine is equipped with a displacement sensor (grating ruler), ensuring that positions of the two lower rolls can be precisely monitored and displayed on the control panel. Accuracy is up to $\pm 0.15\text{mm}$.
4. The guide rollers with 3-Axes (forward-backward | up-down | left-right) are driven by hydraulic cylinders and controlled via the control console, convenient for controlling profile deformation and bending precision.
5. All three rollers are individually driven by hydraulic motors, and they can conduct clockwise and anti-clockwise rotation.
6. All actions of the angle roll are powered by the hydraulic power station.
7. The section bending machine operates in both horizontal and vertical orientations.

Technical Parameter

Model&spec.		GJW24-16	GJW24-30	GJW24-45	GJW24-75	GJW24-100
Max bending modulus of section (cm ³)		16	30	45	75	100
Bending speed(m/min)		5.5	5.5	5.5	5	5
yield limit of material (MPa)		245	245	245	245	245
inward bending of angle steel	The max cross section (mm)	80×8	90×10	100×10	120×12	140×16
	The min bending diameter (mm)	1000	1200	1500	2000	2500
	The min cross section (mm)	30×3	35×3	36×5	38×4	40×5
	The min bending diameter (mm)	550	560	600	600	720
outward bending of angle steel	The max cross section (mm)	80×8	90×10	100×10	120×12	140×16
	The min bending diameter (mm)	1000	1100	1300	1600	1800
	The min cross section (mm)	30×3	35×3	36×5	38×4	45×5
	The min bending diameter (mm)	550	500	600	700	760
outward bending of channel steel	channel steel model	12	16	20	25	28
	The min bending diameter (mm)	800	800	1000	1100	1100
inward bending of channel steel	channel steel model	12	16	20	25	28
	The min bending radius (mm)	900	1000	1150	1600	1700
plane bending of flat steel	The max cross section (mm)	150×25	180×25	200×30	220×40	250×40
	The min bending diameter (mm)	700	800	900	1000	1200
vertical bending of flat steel	The max cross section (mm)	75×16	90×20	100×25	110×40	120×40
	The min bending diameter (mm)	760	800	1000	1100	1300
bending of round pipe	The max cross section (mm)	76×4.5	89×5	89×8	114×5	159×5
	The min bending diameter (mm)	750	900	900	1200	2000
bending of round bar	The max cross section (mm)	52	62	75	85	90
	The min bending diameter (mm)	600	600	800	100	1100
bending of square pipe	The max cross section (mm)	60×4	70×4	80×6	90×8	100×10
	The min bending diameter (mm)	900	1000	1200	1600	2000

Our Services

Pre-service

1. We will help you confirm the model of our machine according to your offered pipe information.
2. You are very welcome to see our machine how to work in the factory before you place an order with us.

Aftersales-service

1. We will supply all the control system and software operate manual, so you can operate the machine easily refer it.
2. All the machine problem, you can ask me any time, we will help you solve by online way, or tel, email, remote video at first time, if all these can't solve your problem, our engineer will go to your factory to help you on spot.
3. Welcome to our factory for learning how to operate machine, one professional engineer will together with you, this service for free.

Contact Us



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