

# PLATE BENDING MACHINE

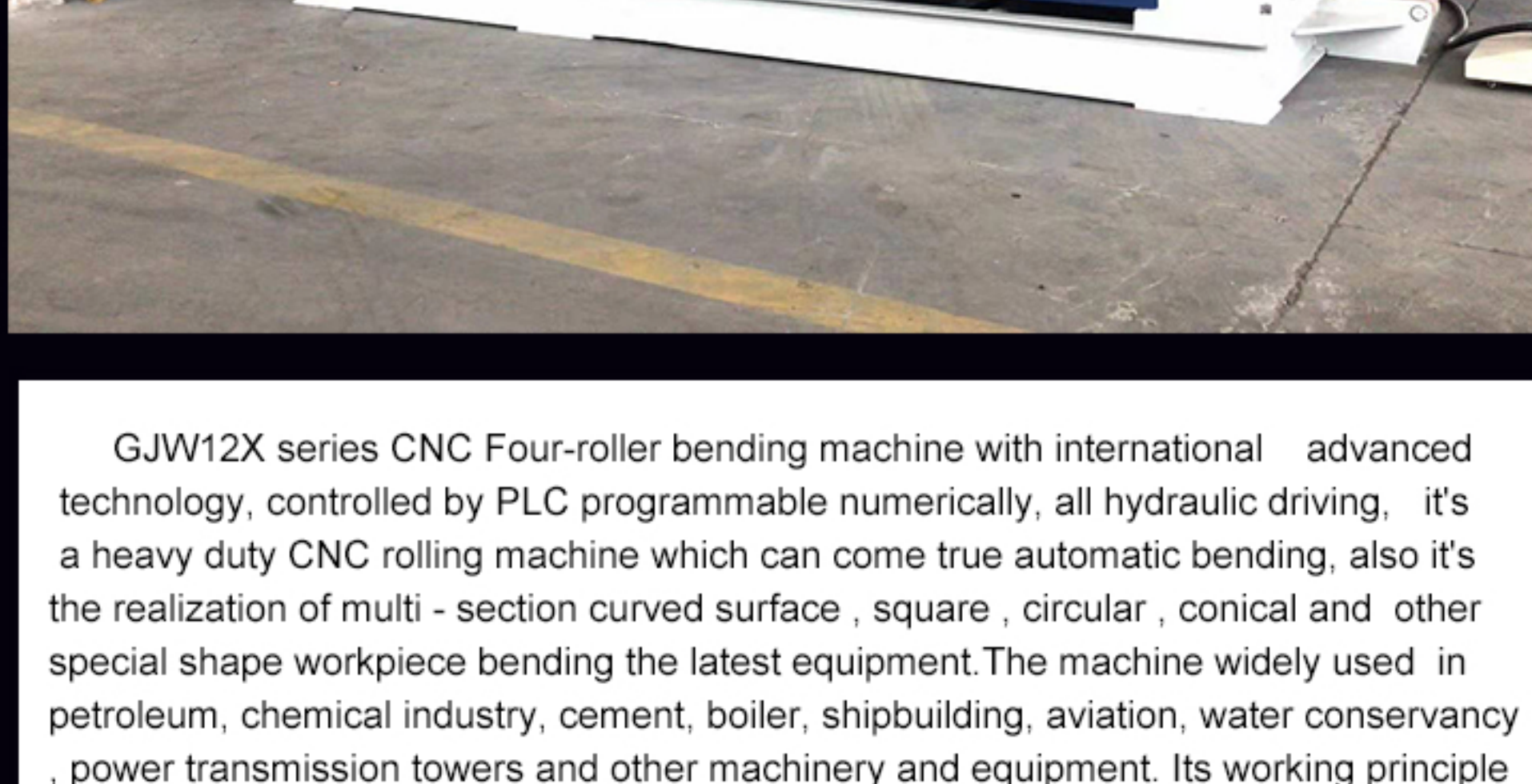
## — FOUR ROLLS



GJW12X Series

Linear Guides Design

### Product Description



GJW12X series CNC Four-roller bending machine with international advanced technology, controlled by PLC programmable numerically, all hydraulic driving, it's a heavy duty CNC rolling machine which can come true automatic bending, also it's the realization of multi-section curved surface, square, circular, conical and other special shape workpiece bending the latest equipment. The machine widely used in petroleum, chemical industry, cement, boiler, shipbuilding, aviation, water conservancy, power transmission towers and other machinery and equipment. Its working principle is rotating bending deformation. For the upper roller can be moved no matter up and down, but also horizontally, so no need additional press or equipment, can realize pre-bending, bending, as well as correction of the workpiece.

### Structural Features



1. Numerically control, roll forming by one time.
2. Touch screen support visual input, edit, save 500 sets data.
3. EPS electronic balance system, keep the rollers running parallel within 0.15mm.
4. Fault self-recognition, operation error intelligent judgment.
5. Drum shaped roller shaft, bending roundness, high straightness.
6. All hydraulic driving, both side rollers doing line running inner the guide.
7. The smaller central distance between two side rollers, come out the most correct bending properties.
8. Thickener whole-frame, meet the need of middle & larger bending.
9. Machine frame integral quenching eliminate stress, never deformation.
10. All the roller by tempering, quenching treatment.
11. Two control mode: manually and automatically.

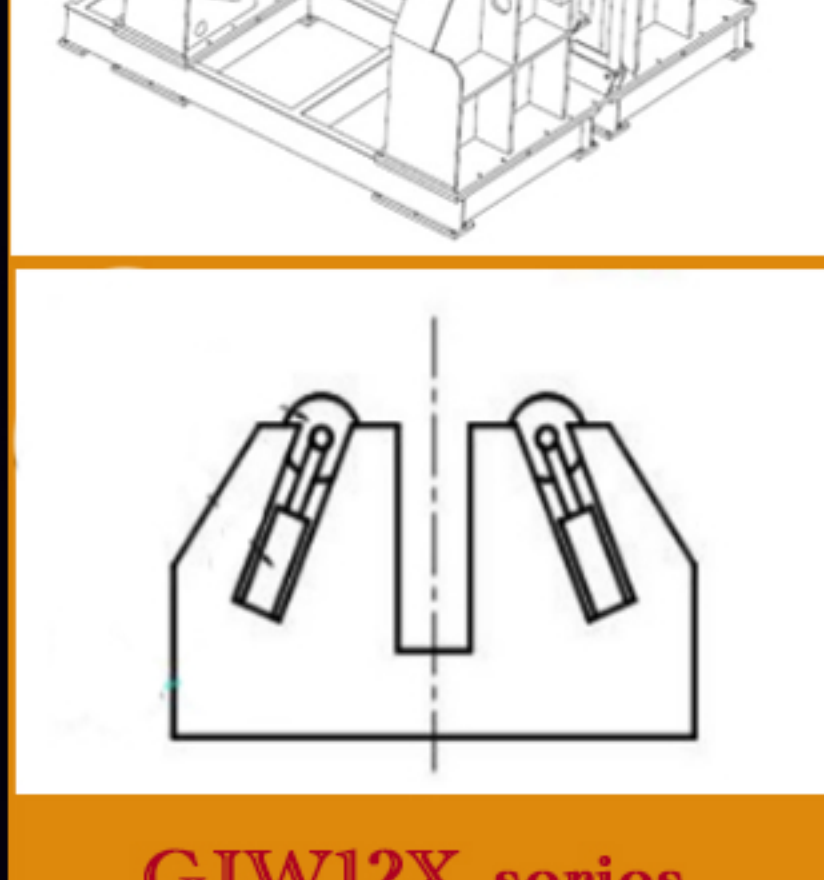
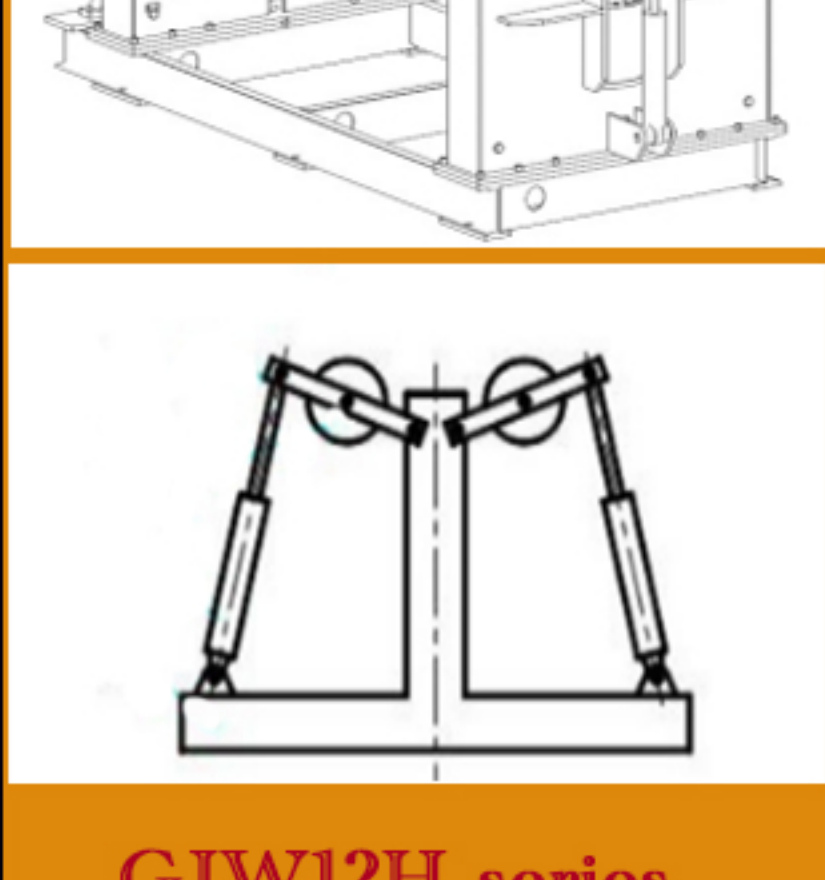
### Selection Guide

Our company has **two series** of the four rolls plate bending machine

## —GJW12H\GJW12X

HOW CAN CHOOSE THEM?

WHAT ARE THE DIFFERENCES BETWEEN THEM?



#### GJW12H series

Planetary Swinging Arms Design

The side rollers are driven by the hydraulic cylinder and reciprocates in an arc through the swinging arm.

#### GJW12X series

Linear Guides Design

The side rollers are pushed by the hydraulic cylinder to make linear reciprocating motion in the linear slide track.

### Selection Guide

T≤30mm

We recommend GJW12H

30mm<T<60mm

GJW12H \GJW12X are fine

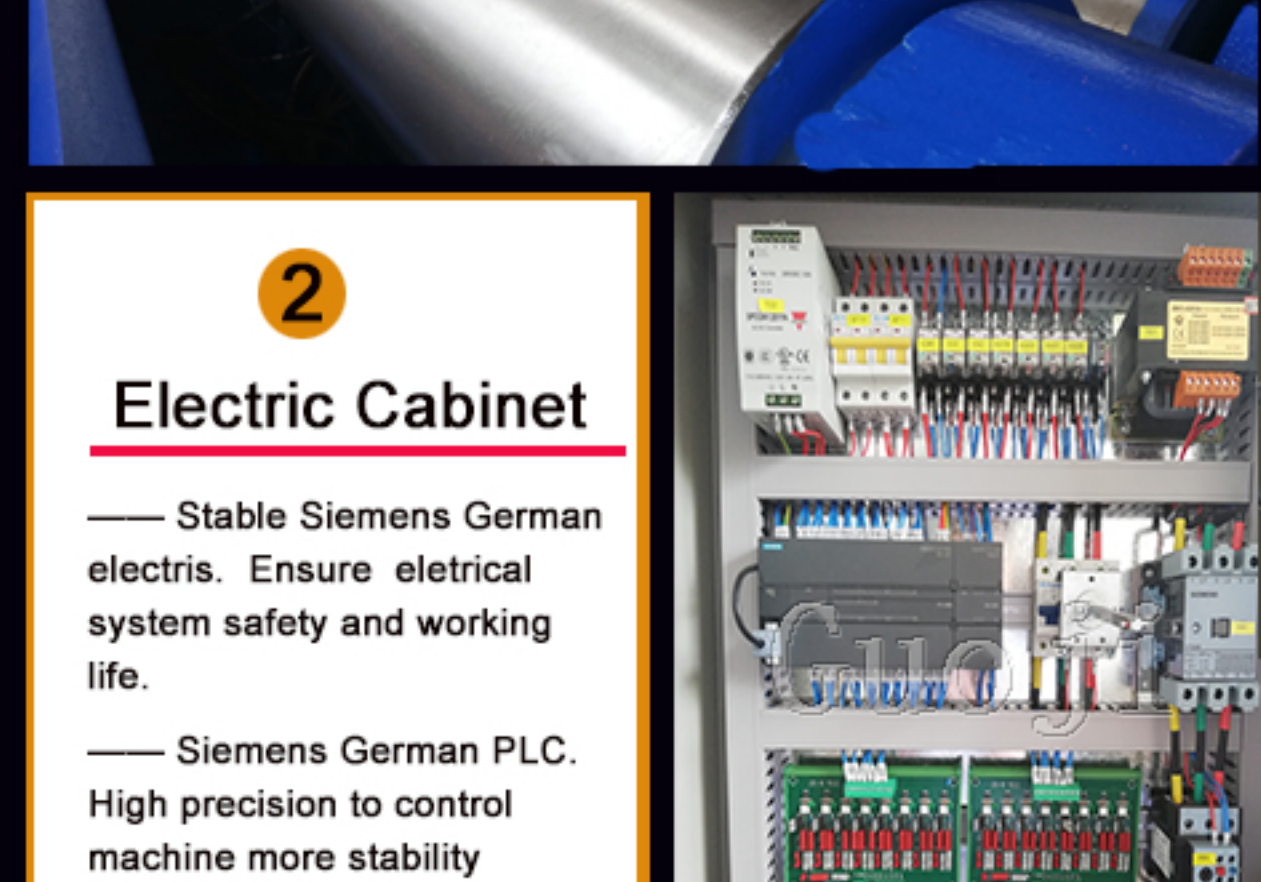
T≥60mm

We recommend GJW12X

### Technical Parameter

Model	Max.Roll Thickness	Max.Roll width	Upper roller diameter	Side Roller diameter	Motor
	mm	mm	mm	mm	Kw
GJW12X-4x1500	4	1500	140	120	2.2
GJW12X-6x2000	6	2000	190	170	4
GJW12X-6x2500	6	2500	220	180	7.5
GJW12X-8x2500	6	2500	240	180	7.5
GJW12X-12x2000	12	2000	260	200	11
GJW12X-12x3000	12	3000	300	260	22
GJW12X-16x2500	16	2500	280	230	15
GJW12X-16x4000	16	4000	420	330	37
GJW12X-20x2000	20	2000	300	260	22
GJW12X-20x3000	20	3000	360	330	15
GJW12X-25x2500	25	2500	390	310	30
GJW12X-30x2500	30	2500	420	330	37
GJW12X-30x3000	30	3000	460	340	37
GJW12X-35x3000	35	3000	510	410	37
GJW12X-45x2500	45	2500	510	410	37
GJW12X-50x2500	50	2500	560	440	55
GJW12X-60x3000	60	3000	670	510	108.5

### Product Details



1

#### 42CrMo

Upper roller designed as drum shape. Support roller installed under bottom roller. To ensure bending more perfect circle for various plate thickness.

2

#### Electric Cabinet

— Stable Siemens German electric. Ensure electrical system safety and working life.

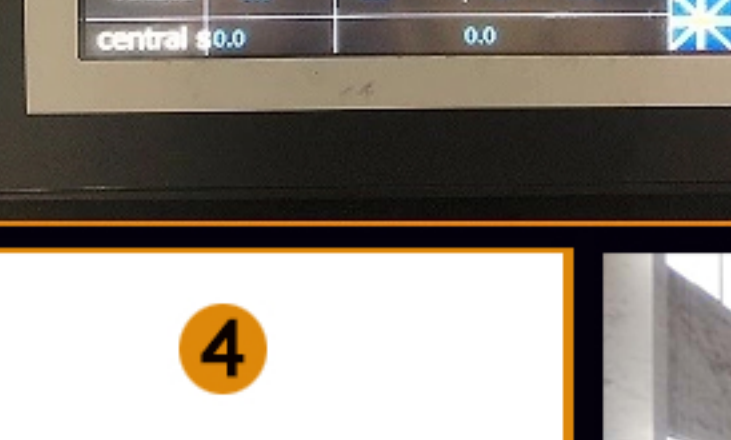
— Siemens German PLC. High precision to control machine more stability working and perfect rolling.



3

#### Control Desk

Siemens German touch screen, more touch and convenient to control machine running working.



4

#### Tipping Down Device

Automatic tipping down device. Easy and convenient to take out the final rolled workpiece.



5

#### Hydraulic Motor

The machine is driven by hydraulic motors. More higher working efficiency to ensure working precision.



6

#### Hydraulic valve

Hydraulic elements select high quality products, guarantee the stability of hydraulic system.



### Our Services

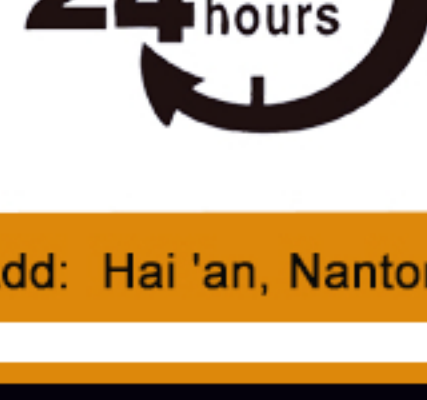
#### Pre-service

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.

#### After-sales-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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