

# PLATE BENDING MACHINE

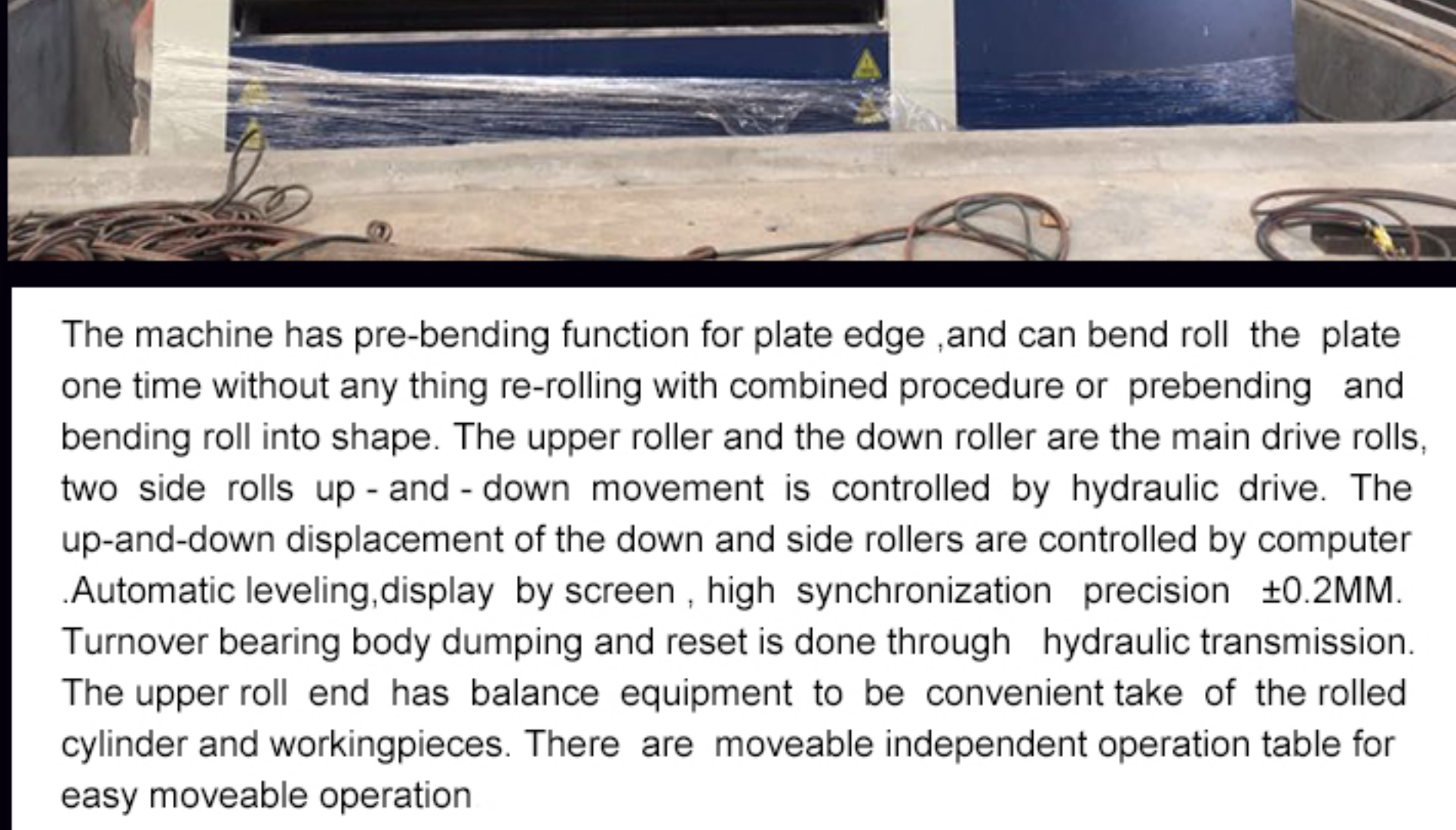
## — FOUR ROLLS



GJW12H Series

Planetary Swinging Arms Design

### Product Description



The machine has pre-bending function for plate edge ,and can bend roll the plate one time without any thing re-rolling with combined procedure or prebending and bending roll into shape. The upper roller and the down roller are the main drive rolls, two side rolls up - and -down movement is controlled by hydraulic drive. The up-and-down displacement of the down and side rollers are controlled by computer .Automatic leveling,display by screen , high synchronization precision  $\pm 0.2\text{MM}$ . Turnover bearing body dumping and reset is done through hydraulic transmission. The upper roll end has balance equipment to be convenient take of the rolled cylinder and workingpieces. There are moveable independent operation table for easy moveable operation

### Structural Features



- 1、 The four-roller bending machine adopts a torsion-axis synchronous structure, and the four-roller coiling machine has high precision and roundness after being rolled up!
- 2、 Full hydraulic motor drive, four-roller coiling machine is environmentally friendly and energy efficient.
- 3、 Straight side is short and the pre-bending effect is good! More suitable for roll cones.
- 4、 The four-roller reeling process is completed in one pass, including bilateral pre-bending. The four-roller reeling machine is fast, efficient, and easy to operate, requiring only one operator.
- 5、 With automatic alignment and clamping function, the plate will not slide and run off.
- 6、 The four-roller bending machine has anti-overload and hydraulic protection functions.
- 7、 With anti-wear, permanent lubrication-free features.
- 8、 The diameter of the reel is small (the four-roll bending machine can roll a cylinder that is less than 1.1 times the diameter of the upper roller, and the linear sliding-guided rolling machine can have a diameter of 1.4-0.5 times the diameter of the upper roller).

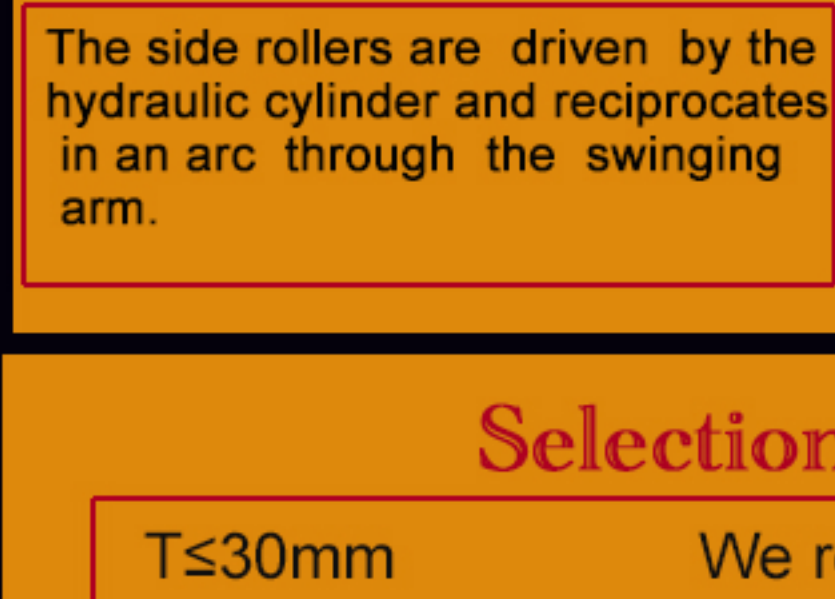
### Selection Guide

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

—**GJW12H\GJW12X**

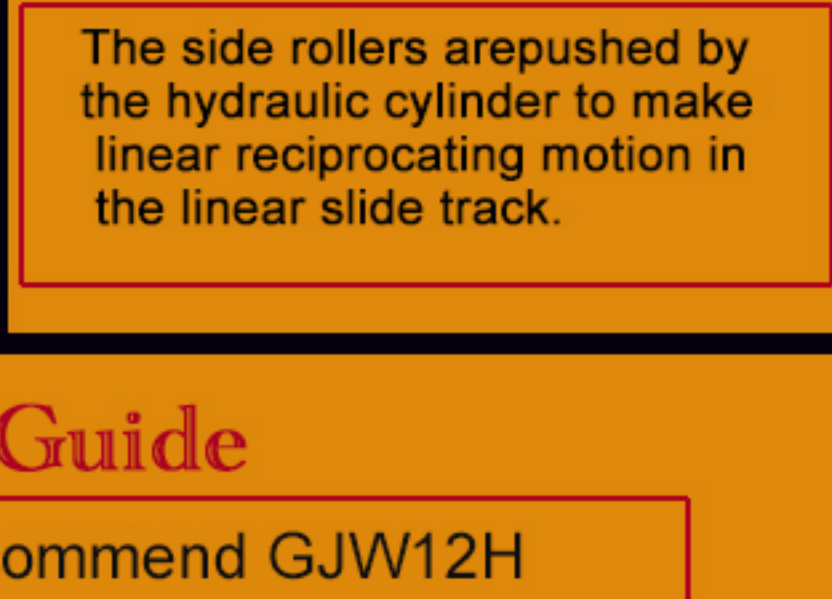
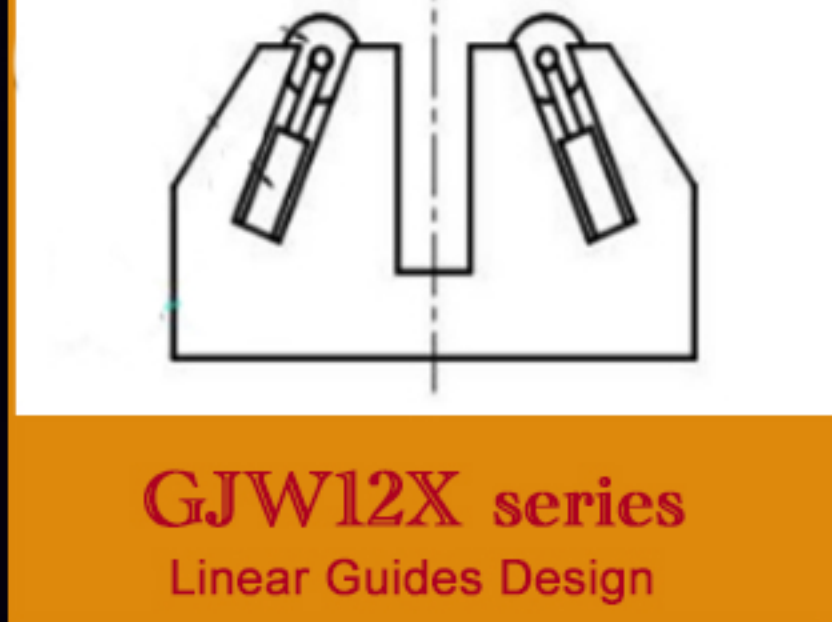
**HOW CAN CHOOSE THEM?**

**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

$T \leq 30\text{mm}$

We recommend GJW12H

$30\text{mm} < T < 60\text{mm}$

GJW12H \GJW12X are fine

$T \geq 60\text{mm}$

We recommend GJW12X

### Technical Parameter

Model	Max.Roll Thickness	Max.Roll width	Upper roller diameter	Side Roller diameter	Motor
	mm	mm	mm	mm	Kw
GJW12H-4x1500	4	1500	140	120	2.2
GJW12H-6x2000	6	2000	190	170	4
GJW12H-6x2500	6	2500	220	180	7.5
GJW12H-8x2500	6	2500	240	180	7.5
GJW12H-12x2000	12	2000	260	200	11
GJW12H-12x3000	12	3000	300	260	22
GJW12H-16x2500	16	2500	280	230	15
GJW12H-16x4000	16	4000	420	330	37
GJW12H-20x2000	20	2000	300	260	22
GJW12H-20x3000	20	3000	360	330	15
GJW12H-25x2500	25	2500	390	310	30
GJW12H-30x2500	30	2500	420	330	37
GJW12H-30x3000	30	3000	460	340	37
GJW12H-35x3000	35	3000	510	410	37
GJW12H-45x2500	45	2500	510	410	37
GJW12H-50x2500	50	2500	560	440	55
GJW12H-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.

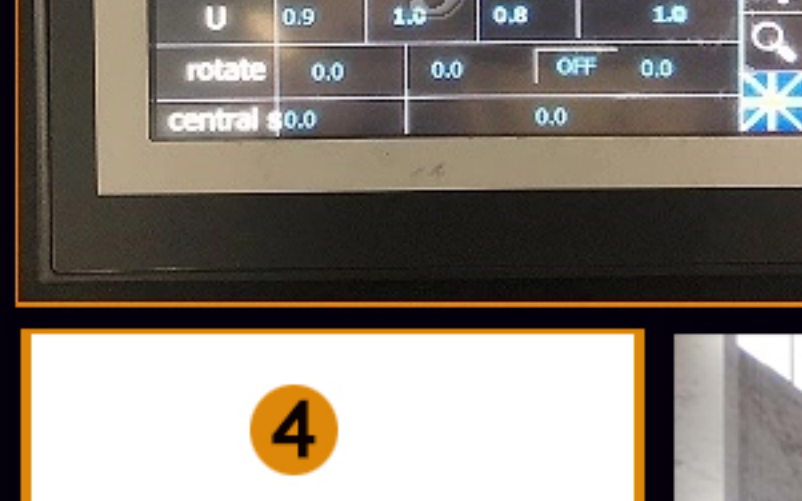
— Siemens German PLC. High precision to control machine more stability working and perfect rolling.



3

**Control Desk**

Siemens German touch screen, more stability 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.

#### 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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