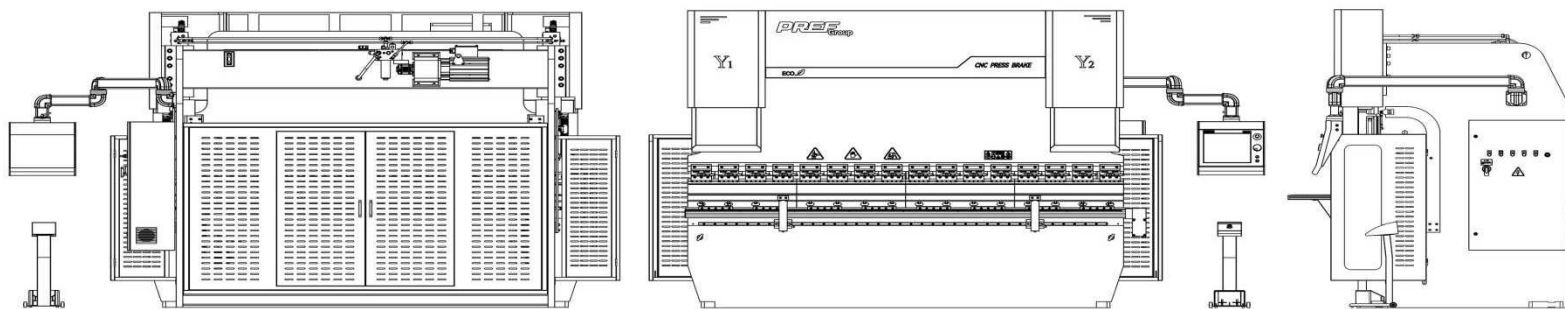


CNC Press Brake

Cybelelec CT12
4+1 Axis



Technical Parameters



NO.	Item	Unit	160T/3200mm
1	Bending Force	KN	1600
2	Bending Length	mm	3200
3	Column Spacing	mm	2655
4	Throat Depth	mm	350
5	Slider Stroke	mm	200
6	Max Open Height	mm	475
7	Main Motor Power	KW	11
8	Weight	T	8.6
9	Length	mm	3450
10	Width	mm	1680
11	Height	mm	2720

CT12 CNC control system for Y1, Y2, X+ R+ V axes

Back Gauge	X-axis	Accuracy	±0.10
		Journey	600
		Max speed	200
		Motor power	0.85
	R-axis	Accuracy	±0.10
		Journey	150
		Max speed	100
		Motor power	0.85

NO	Item	Quantity	Brand
1	Control system	1set	Cybelec CT12
2	Main motors	1set	Siemens
3	Hydraulic pump	1set	SUNNY
4	Hydraulic valve	1set	BOSCH-REXROTH
5	Ball screws and linear guides	1set	Hawkking
6	Grating ruler	1set	FAGOR
7	Main electrical components	1set	Schneider
8	Sealing ring	1set	NOK
9	Connector	1set	Germany
10	Oil cylinder	1set	Taifeng

CNC Control System

Cybelelec CT12 Controller



- ✓ Bend allowance calculation
- ✓ Pressure - crowning calculation
- ✓ Modulable tools for each part or bend
- ✓ 12" color graphic with fully touch screen
- ✓ Touch 2D graphic part creation with manual sequencing
- ✓ Up to 4 axes (Y1, Y2, X, R-axes)
- ✓ Angle and back gauge correction
- ✓ Delivered with PC1200 offline software

Optional:



Choice of Back Gauge

CNC Back Gauge with X, R Axes

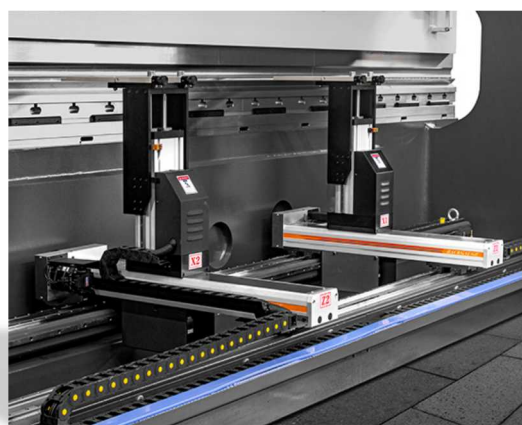
- ✓ Systems that can be matched:
- ✓ **Delem DA53T, Cybelelec CT12**, etc.
- ✓ Ball screws and linear guide on **X axis**
- ✓ X axis speed **500 mm/s**
- ✓ Manual Z1 and Z2 axis with **HIWIN** linear guide
- ✓ Mechanical accuracy ± 0.03 mm
- ✓ Fingers with double stop and precise adjustment



Optional:



CNC Back Gauge with X, R, Z1, Z2 Axes



CNC Back Gauge with X, R, Z1, Z2 Axes

Machine Configuration



Main Motor

The German famous brand motor, can offer high efficiency, energy-saving capabilities, large starting torque, excellent performance, low noise and vibration, and exceptional reliability increases the service life of the machine and keeps the machine working in a low-noise environment.



Proportional Valve

The German Rexroth fully closed-loop electro- hydraulic servo high- frequency synchronous control system is adopted to ensure that the machine tool has high stability and high precision in the process of high-speed operation. The frequency response (response frequency) is higher and can be as high as 200Hz. It can continuously and proportionally control the pressure and flow of the hydraulic system, control the position, speed, and force, and reduce the impact of pressure changes. Closed-loop control, signal feedback. Original German imported products, longer service life.



High Precision Grating Ruler

- ✓ As a displacement sensor, installed on the C-type plate
- ✓ Detect cylinder position with feedback accuracy as high as 0.001mm
- ✓ It can help better control the bending angle



Manual Upper Tool Clamping:

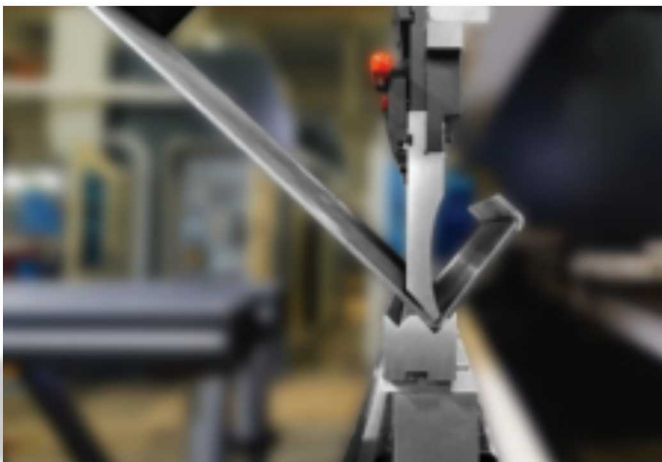
Advantage:

- ✓ Safe and fast tool change
- ✓ Can be used without modifying Europe type punches
- ✓ Front clamp, vertical tool change
- ✓ Rear clamp, horizontal tool change



Electric Crowning

- ✓ Very precise bending angles
- ✓ Europe type dies with 60 mm and 90 mm
- ✓ Base can be clamped as well as single dies with 13 mm tang
- ✓ Electric crowning with a controller
- ✓ Precise positioning and alignment of the crowning table easy and fast usage



CNC Double V Concentric Mold

- ✓ You can freely choose double V concentric molds and multi-V molds according to your needs
- ✓ Molds can also be customized
- ✓ The mold is made of forging, with high precision and high hardness
- ✓ Wear-resistant and impact-resistant

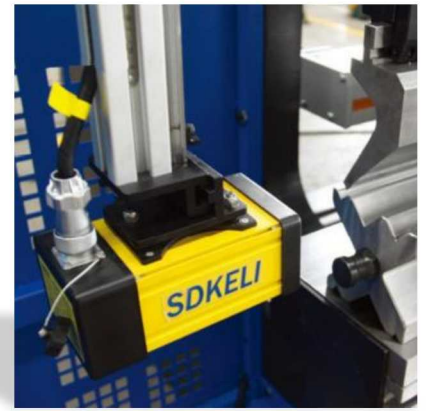
Optional Configuration



Italy DSP Laser Protection



Photoelectric protection
(safety light curtain)



Bending machine protection device



Follow-up front support



Industrial air conditioner



Hydraulic oil air cooler



Multi-V mold



Mold hydraulic clamping



Increase the opening height
and heighten the mold

Company Introduction

23 YEARS EXPERIENCE

Founded in **2001**, has rich production experience and strong production strength

SUPER FACTORY SCALE

- ✓ **40+** Billion Dollar Processing Equipment.
- ✓ **300+** Employees
- ✓ **50+** Engineers

WIDE RANGE PRODUCTS

Powerful production capabilities can satisfy the demands for up to **12000T** press brake and **50KW** laser cutting



The 6 CNC floor-standing boring and milling machines are used to process the machine body, ensuring the machine's ultra-high precision and guaranteeing delivery time.



The 24-meter-long CNC floor-standing boring and milling machine processes the entire body of the large machine, ensuring the ultra-high overall precision of the large machine.

All machine bodies are tempered and use stress relief annealing technology to ensure no deformation of the bed and eliminate the internal stress caused by welding the machine bodies. Allowing the machines to operate for a long time with high precision, this process will increase costs by 10%.



The 12 CNC machining centers produce machine parts to ensure high precision and on-time delivery.

Delem

CYBELEC
INFRANOR GROUP COMPANY

ESTUN
AUTOMATION

RAYTOOLS

Raycus

MAX 创鑫激光

esa AUTOMOTION
The Powerful CNC Intelligence

Schneider
Electric

SIEMENS

rexroth
A Bosch Company

FAGOR
ELECTRÓNICA



HAWE
HYDRAULIK

KACON

VOITH

n LIGHT

NOK

DELTA

PMI
Linear Motion Systems

WILA
SINCE 1932
THE PRESS BRAKE PRODUCTIVITY PEOPLE

HIWIN®

HOERBIGER

After Sales Service

✓ OEM Service

Customize them according to the practical use of customers.

✓ Spare Parts & Consumables

We have current spare parts and consumables available for you with fast delivery.

✓ Technical Support

We have a professional technical team to provide solutions for the bending and cutting process.

✓ Training Service

Our engineer have long experience in the field of sheet metal machines and have an answer on every question regarding metal bending and cutting.

