



**PRICE
FROM:
199.000 EUR**

PRODUCT INTRODUCTION

- The bending machine is for bending metal sheets, especially in the field of sheet metal bending, which has a very important application
- Simple operation, high bending accuracy, and high consistency of bending workpieces, it is called a "timeless" bending machine
- The CNC bending machine has less hydraulic failures, low failures, and low maintenance
- The CNC bending machine has high rigidity and high precision compensation to complete excellent bending.

TECHNICAL PARAMETER

| Model | HK-BEND480-S |
|---|---|
| Maximum bending force | 1300KN |
| Bending length | 2100mm |
| Side rack spacing | 2100mm |
| Throat depth | 400mm |
| Maximum cylinder stroke | 200mm |
| The distance between the table and the upper beam | 480mm |
| Speed | Get down speed:180mm/s Working speed: 0-10m/s Return speed: 120mm/s |
| Main motor power | 15KW |
| Dimensions | 3600*1950*2650 mm |
| Weight | 7.9T |

MAIN FEATURES

High strength machine bed

- The tensile strength and compressive strength of the main structure and the parallel lines of the table top deflection are all within the safe range.
- This machine adopts Q235B steel plate, and all the joints of the steel plates have grooves to ensure the strength of the whole machine.
- The whole machine is annealed and stress relieved to ensure rigidity, strength, precision, and structural stability.
- The precision gantry milling machine processes the machine at one time to ensure the parallelism and verticality of each installation part.

Bending compensation process

Vertical plate compensation system: The rack wall panel (opening) deformation compensation system is designed and developed by a professional technical team, through the "C" frame independent of the rack panel wall structure and the special automatic adjustment balance installed on it. The device can effectively avoid the position feedback error of the grating ruler caused by the deformation (opening) of the frame wall panel under the reaction force during the bending process and ensure the bending accuracy.

Mechanical deflection compensation system (V axis)

It is composed of unique processed and heat-treated wedge blocks. The relative displacement compensation of each group of wedge blocks is designed according to the force and deformation of the upper beam and the lower beam during work. The numerical control system can calculate the compensation amount required for the upper and lower beams according to the load force when the workpiece is bent, and automatically control the relative movement of the wedge blocks, which can effectively compensate the deflection and deformation of the upper and lower beams.

Backgauge system and backgauge fingers

- The back gauge system is one of the important components of a bending machine, which can ensure the bending product size and straightness accuracy.
- The high-precision back gauge system adopts high-precision worm and worm gear as the transmission mechanism. The fastest speed of the X-axis is as high as 500mm/s, which is 1.5 times the speed of the same industry.
- The bending machine adopts the anti-collision rear finger products designed and developed by our company.
- The fingers can be switched at will, which is convenient for customers to replace at any time according to the wear of the fingers.

Front drag module

The front support rack is supported by rollers along the linear guide rail in the Z-axis direction to manually slide left and right, and the height can also be easily adjusted by the handle. Special elongated beams with parking spaces can be selected for the support rack as required.

German REXROTH hydraulic system

- High frequency response (12ms), easy to debug
- Built-in integrated amplifier
- Integrated precision position feedback sensor
- Closed-loop control is more accurate
- The flow control curve has better linearity
- Low pressure loss and low calorific value

BENDING MATERIAL

CNC bending machine can be used to bend stainless steel, carbon steel/galvanized sheet/fluor aluminum zinc sheet, copper, aluminum.

APPLICATION INDUSTRY

Kitchenware, air conditioners, elevators, fans, ceiling curtain walls, office furniture, cabinets, etc.