

## Dimensions

**HB6020**  
(L:2470\*W:2060\*H:2540)

**HB1003**  
(L:3620\*W:2100\*H:2700)



Specifications		Model		
		HB6020	HB1003	HB2204
RATED PRESSURE	[KN]	600	1000	2200
BENDING LENGTH	[MM]	2020	3020	4020
DISTANCE OF SIDE PLATES	[MM]	1620	2570	3340
THROAT WIDTH	[MM]	295	450	470
HIGHT OF LOWER BENCH	[MM]	920	950	950
STROKE	[MM]	200	200	200
MAX OPENING	[MM]	420	470	470
Y AXIS SPEED	[MM/SEC]	200	200	150
OIL VOLUME	[L]	70	70	70
MACHINE WEIGHT	[TON]	4.6T	8T	11.2T

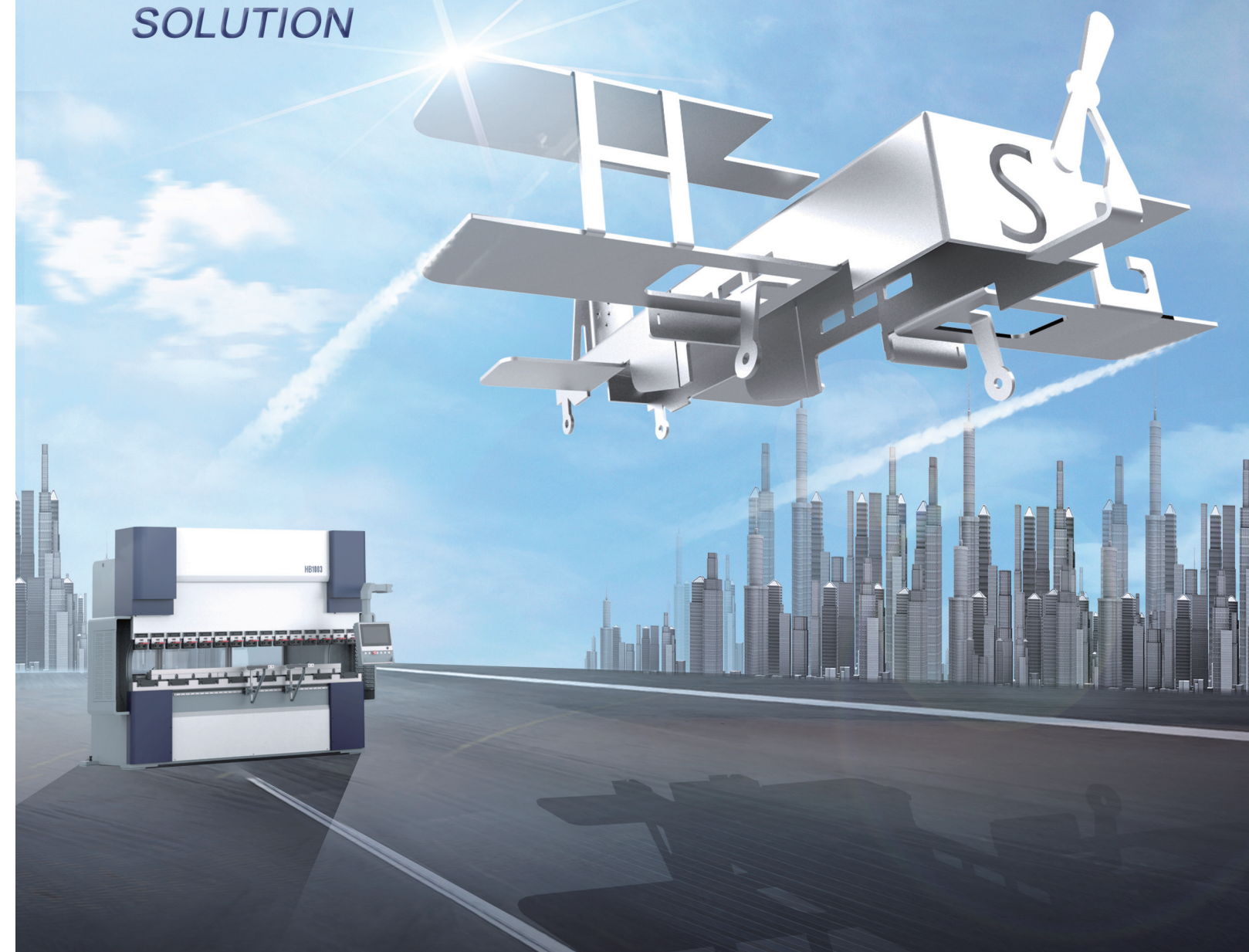
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# INNOVATIVE BENDING TECHNOLOGY

PROVIDING YOU A SUPERIOR BENDING SOLUTION



**Electro-hydraulic**

MORE PRECISE, STABLE AND EFFICIENT BENDING OPERATIONS;  
ASSISTING COMPANIES INCREASE PRODUCTIVITY



# Advantages of CNC bending machine

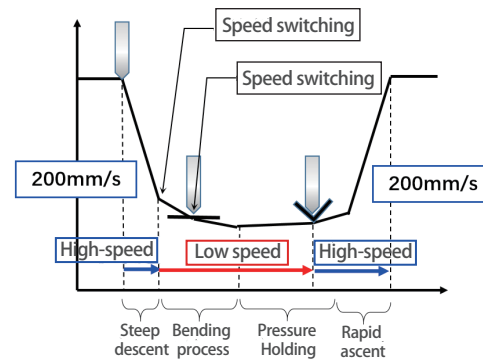
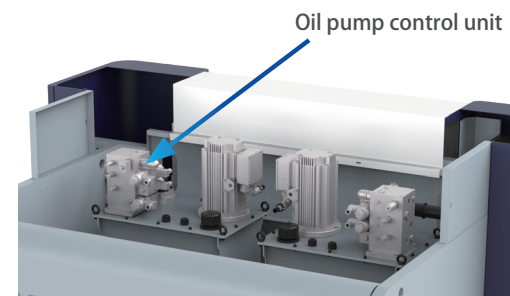
- 1 Electro-hydraulic hybrid drive system**  
Realize flexible switching of high / low speed production mode according to workload and process requirements, and easily make production plans.
- 2 Flexible and easy operation**  
The operating system is more flexible, more humane, customizable, and practical
- 3 Energy saving and environmental protection**  
Replaces conventional valve control technology with pump control technology, eliminating throttling losses, significant energy savings, and low noise.

- 4 Power saving**  
Servo-hydraulic composite drive method, only using electricity when pressurizing, and automatically adjusting the power consumption according to the size of the workpiece. The standby power consumption is less than 1% of the total power.
- 5 High precision**  
Depth control accuracy is  $\pm 0.01\text{mm}$ .
- 6 High efficiency**  
2.5 times faster than traditional hydraulic drive.

# Expand processing range&High-speed processing

Maximum production with minimal energy

- 1 Hybrid drive system**  
Improve deflection compensation capability  
HB series bending machine Improves it's deflection compensation capability for low-load sheet processing that is not easy to fold out accuracy.  
More stable full-length accurate bending  
While bending and pressing, the left, right, and right angles can be adjusted, and the deflection is automatically adjusted in combination with the processed product.



\*This image is based on the HB1003 model

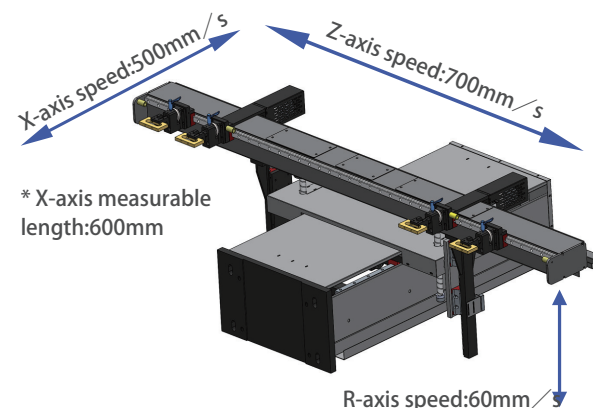
	HB2204	HB1003	HB6020
Falling speed	150mm/s	200mm/s	200mm/s
Bending speed	0.2-50 mm/s	0.2-50 mm/s	0.2-50 mm/s
Raising speed	150mm/s	200mm/s	200mm/s
Max opening	470mm	470mm	420mm
Stroke	200mm	200mm	200mm

## 2 New post-regulation system

Equipped with a new post-regulation system, which achieves high precision and high productivity. (After 100 tons of equipment, the standard blanking standard is: 2 automatic, 2 manual fixed)

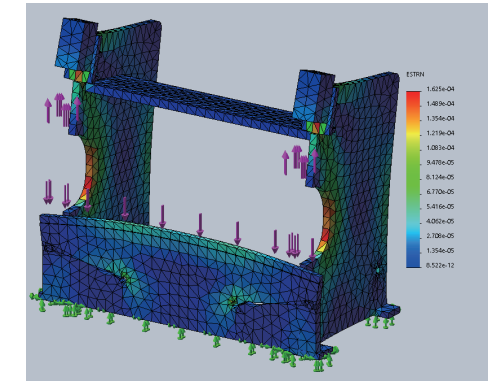
	High-speed rear position	High-precision positioning
X-axis	500mm/s	$\pm 0.01\text{mm}$
Z-axis	700mm/s	$\pm 0.1\text{mm}$
R-axis	60mm/s	$\pm 0.1\text{mm}$

System control axes:6+1,Y1.Y2.Z1.Z2.X.R.CC



## 3 High rigidity frame with New design

The most suitable shape of the frame structure was designed after analyzing the structure, which increased the opening height and machine stroke, and also expanded the processing range of deep bending.



- After increase of rigidity, it can realize:
- Heavy plate processing
  - Stamping
  - Improve full-length accuracy

# Simple operation

Operators can easily achieve precise bending, reducing the professional limitations of the operator and labor costs.

3D bending control system  
15-inch touch screen, support 3D graphics programming and 3D bending process simulation. Support the import of workpiece dxf files, directly generate 3D programs. Standard 6 + 1 axis, powerful function.

- Features:
- 1.2D / 3D graphics editing
  - 2.Support large arc function
  - 3.remote assistance is available with Teamviewer
  - 4.Module with Canbus interface, can drive Y axis
  - 5.Equipped with powerful diagnostic function and curve detection function

