

Dimensions

HC1103

HC1704



ELECTRO-HYDRAULIC SERVO BENDING MACHINE

PROVIDE YOU AN IDEAL BENDING SOLUTION



Specifications		Model		
		HC1103	HC1704	HC2204
RATED PRESSURE	[T]	110	170	220
LENGTH OF WORK BENCH	[MM]	3200	4100	4100
HIGHT OF WORK BENCH	[MM]	820	820	820
THROAT DEPTH	[MM]	400	400	400
FAST FALLING SPEED	[MM/S]	180	180	180
PRESSING SPEED	[MM/S]	10	10	10
RESET SPEED	[MM/S]	140	140	140
WORKPIECE LINEAR ACCURACY	[±MM]	0.2	0.2	0.2
WORKPIECE ANGLE ACCURACY	[±DEG]	0.5	0.5	0.5
FUEL TANK CAPACITY	[L]	400	500	500
MACHINE WEIGHT	[KG]	9000	13000	15000
MACHINE POWER	[KW]	7.5	11	15

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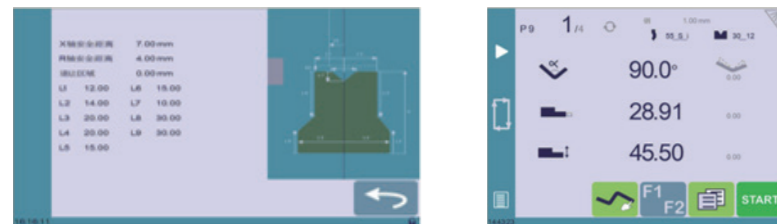
Performance Introduction

- Integral welding processing structure
- Imported international famous brand electro-hydraulic servo valve and grating ruler form closed-loop control mode
- The slider positioning feedback is with high precision, accurate and stable operation, good synchronization, high bending accuracy and slider repeat positioning accuracy.
- Backgauge can adopt multiple backgauge shafts with more complete functions according to customer requirements.
- The hydraulic system is an integrated control system, which reduces the installation of pipelines, prevents oil leakage, ensures the stability of the machine tool, and has a high-tech and beautiful appearance.
- The mechanical deflection automatic compensation system eliminates the influence of the slider deformation on the quality of the workpiece. The CNC system automatically adjusts the compensation amount, which is convenient and accurate.
- The numerical control system adopts Swiss CYBELEC, which is a famous brand of professional bending machine numerical control system.

CybTouch 12PS Control system

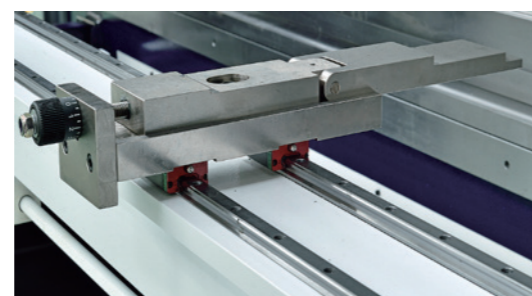
Electro-hydraulic servo bending machine CNC system, HSG standard 4 + 1 axis automatic control

HC series electro-hydraulic servo bending machine adopts Swiss (CYBELEC) CybTouch 12PS control system System, 2D graphic programming "Easy-Bend" page for easy single bending processing; automatic calculation of bending angle, main pressure and deflection compensation; automatic calculation of bending data; angle. Back gauge correction; full efficient bend programming meets the needs of mass production.



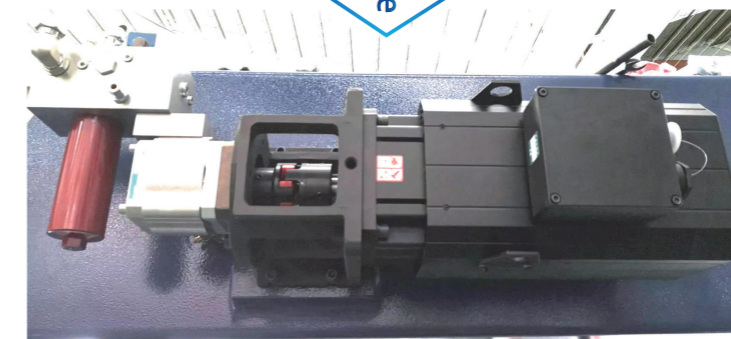
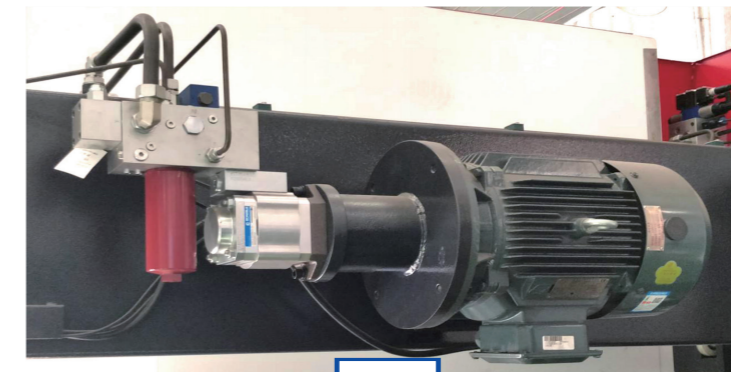
Back gauge system

- It is with the characteristics of sturdy and low inertia, fast speed and high precision.
- The forward and backward movement (X axis) and up and down movement (R axis) are driven by the servo motor.
- Equipped with 4 positioning blocking fingers



Servo Motor

Stable operation, environmental protection, high efficiency, low oil temperature



Three-phase asynchronous motor

The electrical power consumption, motor rotation noise, and high oil pressure generated by the conventional conventional three-phase asynchronous motor equipment when they are turned on are all disadvantages that cannot be overcome by previous technologies.

Servo motor

The servo motor is used as the main power source of the hydraulic pump, instead of the asynchronous motor, and the proportional valve control technology is retained, which is mature and reliable technology. Servo-controlled variable pump technology can significantly reduce machine noise, reduce oil temperature heating and save energy by more than 40%.

Deflection compensation working table

wider working table, professor of thick plate bending

HC series electro-hydraulic servo bending machine provides compensation for the bending deformation caused by the worktable. With the length, plate thickness and angle of the workpiece being bent, the compensation amount is automatically calculated according to the programmed processing program.

