



Cutting | Bending | Welding | Automation



HC

✦ Electro Hydraulic Servo Bending Machine ✦

Company Culture



MISSION

Intelligent manufacturing changes future



VALUES

Customer-focused and employee-based



VISION

Become a respectable enterprise in the global metal forming equipment field

Company Profile



13

13 branches/subsidiaries/
sub-subsidiaries across the world



100+

Serve 100+countries and
regions



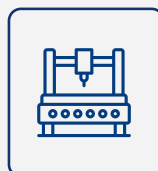
4

Manufacturing Bases in
China



30+

Global service outlets

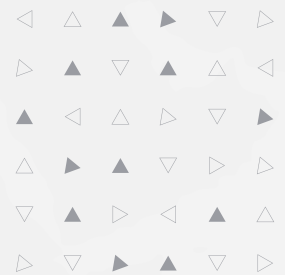


8000+Sets
of Annual Output



96000m²

Occupied Area



HC

Electro Hydraulic Servo Bending Machine



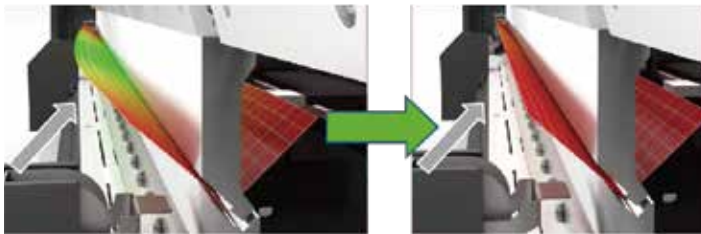
Technical Parameters

Product	HC6015	HC1703	HC1704	HC1103	HC1104	HC2203	HC2204
Bending Force	600KN	1700KN	1700KN	1100KN	1100KN	2200KN	2200KN
Main Motor Power	5.5KW	15.7KW	10.5KW	7.9KW	7.9KW	15.7KW	15.7KW
Rapid Descent Speed	200mm/s	180mm/s	180mm/s	200mm/s	180mm/s	180mm/s	180mm/s
Return Speed	200mm/s	140mm/s	140mm/s	150mm/s	140mm/s	140mm/s	140mm/s
Working Speed	10-15mm/s	10mm/s	10mm/s	10mm/s	10mm/s	10mm/s	10mm/s
Number of CNC Axes	4+1	4+1	4+1	4+1	4+1	4+1	4+1
Equipment Weight	3500KG	11200KG	12000KG	9000KG	10200KG	12000KG	13000KG
Fuel Tank Capacity	200L	400L	400L	300L	400L	400L	400L

* Machine appearance, technical parameters, function description, data comparison shown in this page are from HSG in-house laboratory. All testing results and experimental data shall be subject to real machine.

Switzerland (CYBELEC) CybTouch 12PS Control System

- Automatically calculate bending angle, main pressure and deflection compensation.
- Correct the bending angle and back gauges.
- Make mass bending possible with high-efficient programming.
- Enable wireless interconnection via desktop or notebook computer for software upgrades and data backup anytime.



Automatic Compensation System for Mechanical Deflection

- Compensate the bending station laterally and vertically.
- Calculate compensation based on length, thickness and angle of bending work-piece.
- Take accurate control of compensation precision as a result of high-precision potentiometer.

Back Gauges Positioning System

- Servo motor drives it to move backward and forward (X-axis), up and down (Y-axis).
- Configure four positioning fingers to prevent materials from sagging and defectives caused by any error.



Highly-rigid Heavy-duty Frame

- Welded by using high-quality carbon steel, creating high rigidity.
- Finite element analysis shows no deformation of frame.
- Once clamping and integral machining for totally guaranteed precision.



Bending Follow-up Trolley (Optional)

- Independent control system, work with any on-site bending machine.
- Get started quickly because of easy operation and fool-proof settings.
- Single-axis linkage for semi-automatic operation to reduce bending difficulty and achieve quickly mass production.

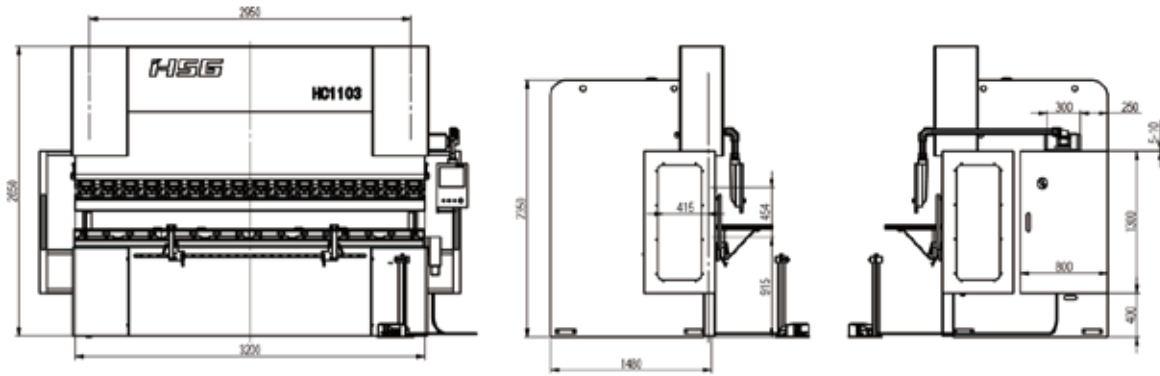


Safety Light Curtain (Optional)

- The machine will stop cutting immediately when any intruder is detected to protect both workers and the machine.

Machine Foundation

*The marked size has about 10mm error
 *Pictures of HC1103 are for reference only and subject to actual dimensions.

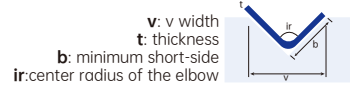


Bending Samples



Bending Capacity

Project			mm																				
v	b	ir	0.5	0.6	0.8	1.0	1.2	1.4	1.6	2.0	2.3	2.6	3.0	3.2	3.5	4.0	4.5	5.0	6.0	7.0	9.0	10	12
4	2.8	0.7	40	60																			
6	4	1		40	70	110																	
7	5	1.1		40	70	100	140																
8	5.5	1.3		30	50	80	120	150															
10	7	1.6			40	70	100	130	170														
12	8.5	2				60	80	110	150	220													
14	10	2.3					70	100	130	190	250												
16	11	2.6					60	90	110	170	230	280											
18	13	3						80	100	150	190	250	340										
20	14	3.3							90	130	170	220	300	340									
25	17.5	4								110	150	180	240	270	330	430							
32	22	5									120	140	190	220	260	340	430						
40	28	6.5											150	170	200	270	340	420					
50	35	8												140	160	210	270	330	480				
63	45	10													130	170	210	260	380	520			
80	55	13															210	300	410	670	850		
100	71	16																240	330	430	670	960	
125	89	20																	260	430	530	780	
160	113	24																			420	600	
125	140	33																				500	



The actual machines shall prevail and above data & pictures are only for reference.



Intelligent Manufacturing Changes Future



As a global enterprise, HSG sticks to providing professional and convenient service support to customers at home and board



Professional Training

Multiple technical training service and free operation training for customers and dealers in time



Efficient Support

Humanistic service model, online services and 7*24 hotline to offer solutions and assistance



Optimized Transport

Multi-channel transport solutions and professional transport solution team will provide various transport cases for to satisfy the demand of customers and save transports fees



Sufficient Accessories

Highly efficient accessories delivery service, multiple network inventory jointly responds to accessories demand to shorten customer's waiting times and accelerate production



Careful Services

Domestic door-to-door service and free proofing, global 100+dealers provide efficient and convenient services



Intelligent Manufacturing Changes Future



Website



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