



**GMT ENGINEERS**

presents

**HB SERIES**

**HYBRID CNC PRESS BRAKE SERVO CONTROL MAIN MOTOR**



The YANGLI HB Series Servo Pump Electro Hydraulic CNC Press Brake is a cutting-edge solution for precision bending in sheet metal fabrication.

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## ROBUST CONSTRUCTION

BUILT TO WITHSTAND THE DEMANDS OF INDUSTRIAL PRODUCTION, YANGLI HB CNC PRESS BRAKES FEATURE ROBUST FRAMES, WHICH UNDERGO STRESS RELIEVING 2 TIMES TO ENSURE NO DEFLECTION OVER THE YEARS ON THE FRAME, FURTHER MACHINED ON IMPORTED CNC FLOOR BORING MACHINES TO ENSURE RELIABILITY AND LONGEVITY OF ACCURACY DURING PRODUCTION. THIS ROBUST CONSTRUCTION ENABLES CUSTOMERS TO OPERATE CONTINUOUSLY UNDER HEAVY LOADS WITH MINIMAL MAINTENANCE REQUIREMENTS.



## HYBRID SERVO TECHNOLOGY

THIS ENSURES POWER SAVING AS THE MAIN MACHINE MOTOR IS NOT FUNCTIONING DURING IDLE STAGE OF THE MACHINE AS COMPARED TO CONVENTIONAL MACHINES A 40 % POWER SAVING IS ACHIEVED

## FASTER PRODUCTION

WITH HIGHER SPEEDS OF APPROACH, PRESSING AND RETURN THE NUMBER OF PRODUCTIVE STROKES ARE WAY HIGHER THAN NORMAL CONVENTIONAL PRESS BRAKES

## INTELLIGENT CONTROLLER

EQUIPPED WITH THE DELEM DA53T OR DA66T INTELLIGENT CONTROLLER, THE HB SERIES ENSURES ACCURATE FORMING SOLUTIONS WITH USER-FRIENDLY PROGRAMMING AND INTUITIVE OPERATION. THE CONTROLLER ALLOWS FOR PRECISE CONTROL OVER BENDING PARAMETERS, IMPROVING EFFICIENCY AND REDUCING SETUP TIME.



## MULTIPLE AXIS CONFIGURATIONS

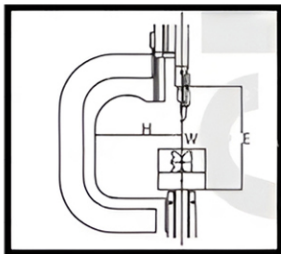
THE STANDARD CONFIGURATION INCLUDES Y1, Y2, X AXIS, WITH THE OPTION TO ADD ADDITIONAL AXIS (X1, X2, Z1, Z2, R1, R2) TO MEET SPECIFIC BENDING REQUIREMENTS. THIS FLEXIBILITY ALLOWS FOR A WIDE RANGE OF BENDING POSSIBILITIES, ACCOMMODATING DIVERSE APPLICATIONS AND GEOMETRIES.





Specification	Unit	HB 0412	HB 0615	HB 0625	HB 1032	HB 1042	HB 1632	HB 1642	HB 2532	HB 2542
Nominal Force	kN	450	630	630	1000	1000	1600	1600	2500	2500
Bending Length	mm	1250	1500	2500	3200	4200	3200	4200	3200	4200
Frame Distance	mm	950	1100	2060	2700	3700	2700	3700	2700	3700
Max.Opening height (E)	mm	430	520	520	520	520	520	520	520	520
Ram Stroke	mm	200	215	215	215	215	215	215	215	215
Throat Gap (H)	mm	370	410	410	410	410	410	410	410	410
Worktable Width (W)	mm	50	50	50	60	60	60	60	60	60
Approach Speed	mm/s	200	200	200	200	200	180	180	160	160
Bending Speed	mm/s	18	18	18	16	16	18	18	14	14
Return Speed	mm/s	200	200	200	200	200	200	200	165	165
Backgauge Stroke	mm	500	600	600	600	600	600	600	600	600
Machine Dimensions	L	mm	1680	1850	2850	3500	4500	3500	4500	3500
	W	mm	1980	1650	1650	1650	1650	1650	1730	1730
	H	mm	2470	2600	2650	2700	2700	2700	2700	2700

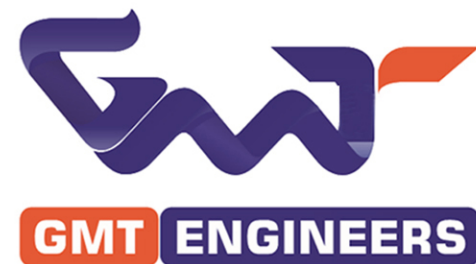
### Illustration Drawing



Due to Technological Developments, the illustrations and specifications are not binding in detail and are subject to modifications & improvement without prior notice..\*



HB1032 WON THE INNOVATIVE PRODUCTS AWARD AT INTEC2017



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