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QOUTOTION SHEET

Golden quality accompanies you



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CNC HYDRAULIC PRESS BRAKE





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HS Series

CNC Electro-Hydraulic Press Brake

The high advanced CNC solution.

- Model: HS Series
- Control: DA53T
- Capabilities: 130T/4100 4+1axis



Hydraulic CNC Press Brake with DA53T System

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General Features

- The whole frame of the press brake adopts integrated welding, and by tempering to eliminate the internal stress.
- The controller can control the Y1 and Y2 axes (Y1 controls the left cylinder and Y2 controls the right cylinder) to ensure the synchronous movement of the ram.
- Quiet during speed waiting and fast descent (about 25 decibels), with low noise during pressing and return (the pressure in the hydraulic system is under the closed - loop control of the servo main motor).
- The main oil pump does not apply work under the drive of the servo main motor, and the energy consumption is 60% lower than that of a general CNC press brake machine.
- The machine oil temperature is stable, which extends the service life of various components of the hydraulic system.
- The working pressure and flow rate of the hydraulic system are controlled by the servo motor in real time, and the power consumption is only 50 - 60% of the original proportional system.
- The hydraulic oil used is only 30 - 40% of that in the original system.
- Due to the increased speed of the servo motor, the oil pump outputs a larger flow rate, so that the speed of the cylinder can reach 180 - 200 mm/s, and the production efficiency is thus greatly improved.
- The number of bends is increased by at least 30% within the same period of time.



Controlle

RELIABLE & EXPERIENCED CHOICE FOR PRESS BRAKE CONTROL

Netherlands DELEM DA53T

Through the quick and convenient process from programming to production, the time for machine adjustment and test bending is minimized.

The new - generation DA 53T series, based on the existing Delem touch screen user interface, offers the most convenient CNC programming. With the new DA 53T featuring a large screen, it becomes a new member of the full - range solutions for electro - hydraulic bending machines.



--DA53T System

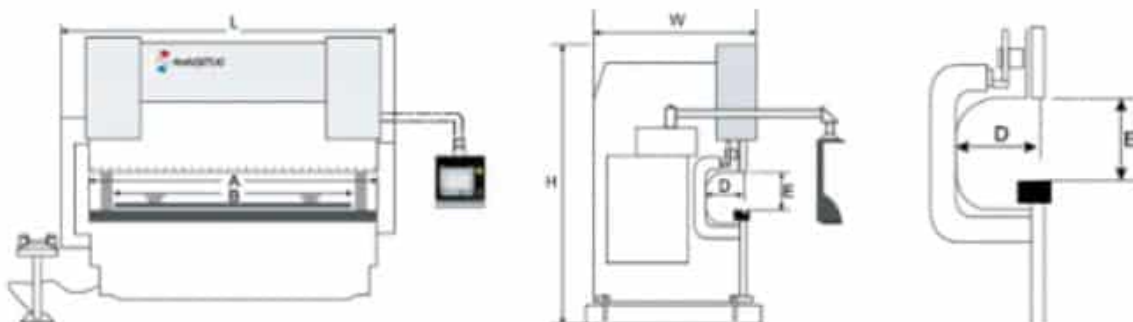
- "Hot-key" touch navigation
- 10.1" high resolution colour TFT
- Up to 4 axes (Y1,Y2 + 2 aux. axes)
- Crowning control
- Tool / material / product library
- Advanced Y-axis control algorithms for closed-loop as well as open-loop valves
- Servo and frequency inverter control
- TandemLink (option)
- USB memory stick interfacing
- Profile-T offline software

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Basic Parameters

No.	Items		Unit	Parameters
	Model		HS-130TX4100 DA53T	
1	Pressure		KN	1300
2	Bending Length		mm	4100
3	Column Distance		mm	3500
4	Max Opening Height		mm	E=480
5	Throat Depth		mm	D=410
6	Y1, Y2 Stroke		mm	200
7	Y1, Y2	No loading	mm/s	220
		Pressing		18
		Returning		200
8	X axis stroke		mm	600
9	X axis max moving speed		mm/s	200
10	R axis stroke		mm	160
11	R axis max moving speed		mm/s	75
12	Machine accuracy	Y1Y2 slider repeat accuracy	mm	$\leq \pm 0.01$
		Y1Y2 slider positioning accuracy	mm	$\leq \pm 0.01$
		X, R back gauge repeat positioning accuracy	mm	$\leq \pm 0.05$
		Workpiece straightness	$\leq 0.3\text{mm}/1000\text{mm}$	
		Bending angle error range	$\pm 0.25^\circ$	
13	Main Motor Power		KW	11
14	Size		mm	L*W*H(mm) 4710x1850x2700
15	Weight		KG	10500



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Standard Components

Part Name	Brand
System Program	DELEM DA53T
Hydraulic Valve	Germany Bosch-Rexroth / Germany HAWE (Hoerbiger)
Grating Ruler	Italy GIVI / Spanish Fagor
Oil Pump	United States FIRST
Oil Cylinder	China Heyan
Main Electrical Components	France Schneider
Ball Screw	Taiwan HIWIN
Oil Seal	Japan NOK
Bearing	Japan NSK
Servo Drive / Servo Motor	China Inovance
Crowning	WILA standard Motorized Crowning
Clamps	AMADA Standard Quick Clamp
Tubing Connector	Germany JS/EMB

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