

Hydraulic Press Brake PLC/NC/CNC Series



HIPAT MACHINE TOOLS

PLOT NO.: 1C/90, SEC.- 9,
MARKAT NAGAR, CDA, CUTTACK - 753 014
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HIPAT Hydraulic Press Brakes are designed and developed through years of experience in sheet metal working machineries. HIPAT Hydraulic Press Brakes are developed by keeping latest technology in mind. Both cylinders are mounted at back side of Press Brake and are synchronized for parallelism between ram & table, by providing mechanical links connected with cylinder. The heavy duty steel construction frame is so designed to absorb heavy shocks of overload. All welding edges are properly machined for best weld joints. The electric control panel is fixed on side wall at conventional place for easy reach of operator. It includes push button pendant and foot switch. Standard "V" Block & "V" Punch and manually operated back gauge system which is front operated are supplied as a standard accessories. Hydraulic components are of reputed make like Videkers, Rexroth, Dowty, Yiken, Polyhydron etc.

Standard Feature

- Mitsubishi controller with monochrome touch screen.
Swivel mounted
- Hardened & ground ball screw and shaft, liner motion bearing on guide rods
- AC servo motor for back gauge ('x' axis) drive
- High efficient optical liner glass tube scale for 'Y' axis
- Movable work station with a pair of foot switch
- A pair of lifting links & sheet support
- One suitable five way die & punch of EN- 8 or EN - 9
- Centralized lubrication system with hand pump
- Ram lifting arrangement
- Bending chart

Mitsubishi Controller & Drives

- The Controller with monochrome touch screen
- Manual, Auto, Program mode selection, Stroke Counter through Touch Screen
- It memorizes 120 (15 Programs and each Program 8 Bends.) Stroke Positions
- It stores stroke length, height of each bend
- It allows skipping a step in program if the bend will not required on the job
- The controller can be connected directly to computer by serial links
- The controller, Drive and Screen can be offered with customized
- High efficient Optical Linear Glass Tube Scale for perfect position of 'Y' Axis. Repetitive accuracy with + or - 0.05mm
- Program menus are protected by password

Options

- Multi axis back gauge
- High speed MPI (Multi Port Interface) link for operation via PC.
- Anti deflection unit (Manual/Motorized/Automatic)
- Hardened & ground tools and special tooling
- Sliding sheet support with swing away
- stoppers for front gauging
- Hydraulic tool clamping
- Photo electric finger safety guards
- Ginger guard for back gauge
- Automatic lubrication system
- Extra depth of throat
- Higher speed versions
- First Fill of hydraulic oil
- Timing belt drive

Model	Tonnage	Bending Cap. (In M.S., UTS 45 Kg / mm ²)		Table Length	Table Width	Clear Pass	Ram Stroke	Open Height	Throat Depth	Speed Approach Pressing Return	Power H.P.	Over all Dimensions (L x W x H)	Approx. Weight Kgs.
LHPB NC 215	20	1.6 x 1500	2 x 1250	1500	125	1250	100	250	100	35-9-35	2	1800 x 1500 x 2000	1500
LHPB NC 320	30	2 x 2000	3 x 1250	2000	125	1700	100	280	200	30-7-30	3	2300 x 1600 x 2000	2500
LHPB NC 425	40	2 x 2500	3 x 1500	2500	170	2000	100	280	200	40-8-40	3	2700 x 1850 x 2050	3000
LHPB NC 515	50	4 x 1500	5 x 1250	1500	170	1000	100	280	200	35-7-35	5	1800 x 1500 x 2000	2500
LHPB NC 520	50	3 x 2000	4 x 1500	2000	170	1500	100	280	200	35-7-35	5	2300 x 1900 x 2200	3400
LHPB NC 525	50	2.5 x 2500	3 x 2000	2500	170	2000	100	280	200	35-7-35	5	2850 x 1900 x 2200	3700
LHPB NC 625	65	3 x 2500	4 x 2000	2500	170	2000	150	330	200	30-5-30	5	2850 x 1950 x 2350	3900
LHPB NC 630	65	2.5 x 3000	3 x 2500	3000	170	2500	150	330	200	30-5-30	5	3350 x 1950 x 2350	4300
LHPB NC 825	80	4 x 2500	5 x 2000	2500	170	2000	150	350	200	38-6-45	7.5	2850 x 2100 x 2350	4500
LHPB NC 830	80	3 x 3000	4 x 2500	3000	170	2500	150	350	200	38-6-45	7.5	3350 x 2100 x 2350	5000
LHPB NC 1025	100	5 x 2500	6 x 2000	2500	170	2000	150	350	200	38-6-45	7.5	2900 x 2200 x 2350	5600
LHPB NC 1030	100	4 x 3000	5 x 2500	3000	170	2500	150	350	200	38-6-45	7.5	3400 x 2200 x 2350	6200
LHPB NC 1040	100	3 x 4000	4 x 3000	4000	170	3000	150	350	200	38-6-45	7.5	4250 x 2200 x 2350	7000
LHPB NC 1225	125	6 x 2500	8 x 2000	2500	220	2000	150	350	300	38-5-40	10	2750 x 2450 x 2600	6500
LHPB NC 1230	125	5 x 3000	6 x 2500	3000	220	2500	150	350	300	38-5-40	10	3400 x 2450 x 2600	7000
LHPB NC 1240	125	4 x 4000	5 x 3000	4000	220	3000	150	350	300	38-5-40	10	4150 x 2450 x 2650	8800
LHPB NC 1625	160	8 x 2500	10 x 2000	2500	220	2000	150	350	300	35-6-40	15	2750 x 2500 x 2600	8200
LHPB NC 1630	160	6 x 3000	8 x 2500	3000	220	2500	150	350	300	35-6-40	15	3400 x 2500 x 2600	8800
LHPB NC 1640	160	5 x 4000	6 x 3000	4000	220	3000	150	350	300	35-6-40	15	4200 x 2500 x 2700	9800
LHPB NC 2025	200	10 x 2500	12 x 2000	2500	220	2000	200	410	300	35-7-35	20	2850 x 2650 x 2700	8500
LHPB NC 2030	200	8 x 3000	10 x 2500	3000	220	2500	200	410	300	35-7-35	20	3450 x 2650 x 2700	9500
LHPB NC 2040	200	6 x 4000	8 x 3000	4000	220	3000	200	410	300	35-7-35	20	4200 x 2650 x 2800	10500
LHPB NC 2530	250	10 x 3000	12 x 2500	3000	300	2500	200	410	300	35-6-40	25	3350 x 2650 x 2800	12000
LHPB NC 2540	250	8 x 4000	10 x 3000	4000	300	3000	200	410	300	35-6-40	25	4350 x 2650 x 2800	13500
LHPB NC 3030	300	12 x 3000	15 x 2500	3000	300	2500	200	410	300	30-6-35	30	3450 x 2750 x 2800	12000
LHPB NC 3040	300	10 x 4000	12 x 3000	4000	300	3000	200	410	300	30-6-35	30	4250 x 2750 x 2900	15000
LHPB NC 4030	400	16 x 3000	20 x 2500	3000	300	2500	250	500	300	30-5-35	40	3350 x 2900 x 3000	17000
LHPB NC 4040	400	12 x 4000	16 x 3000	4000	300	3000	250	500	300	30-5-35	40	4300 x 2900 x 3000	18000

Capacities rated for M.S. (U.T.S. 45kg/mm² Yield 28kg/mm²). Bending capacities stated are only representative and not binding. Allow extra capacity for material inconsistencies, bending conditions. Right to change specification, features without notice reserved. Compliance with safety requirements as per local regulations is responsibility of the user.

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