



PRESSES

MECHANICAL • HYDRAULIC • SERVO

CNC Hydraulic Press Brake

50T - 800T



Accuracy conform to:
DIN 55222

Machine Builders to the World

ISO 9001:2015

Precision with Versatility • High Reliability • Service Support



5000+ Presses 70+ Press Lines 100+ Transfer Presses Across 26 Countries

Isgec Heavy Engineering Ltd. is India's largest manufacturer and solution provider for Sheet Metal Forming Presses, since 1967. With its long experience and vision of engineering for excellence, Isgec offers High Precision CNC Hydraulic Press Brakes.

Salient Features:

Crowning System



- Fixed Table is a standard feature.
- Manual and Automatic Crowning is an optional feature.



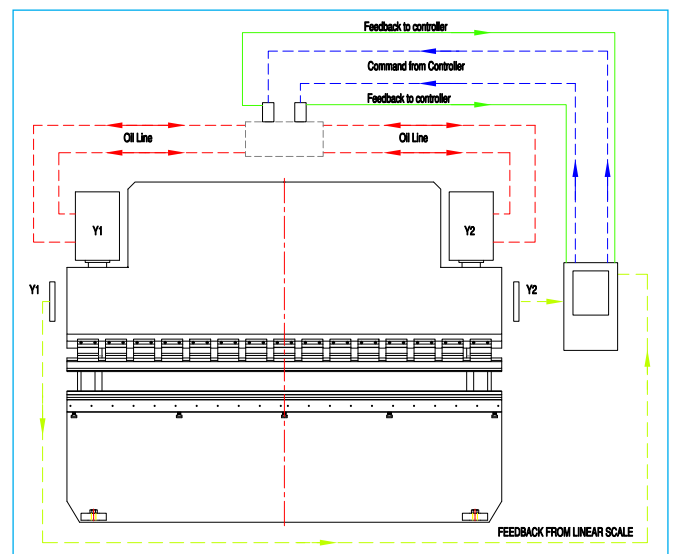
Precise 4 Axis Backgauge System



- The Fast positioning speeds provides accurate positioning of ± 0.01 mm.
- Servo Controlled X Axis ensures a positioning accuracy of ± 0.1 mm with 100% repeatability.
- Z Axis Manual Backgauge System is a standard feature and Z Axis Servo Backgauge System is optional.
- R Axis Manual Backgauge System is a standard feature and R Axis Servo Backgauge System is optional.
- Backgauge two fingers are provided.

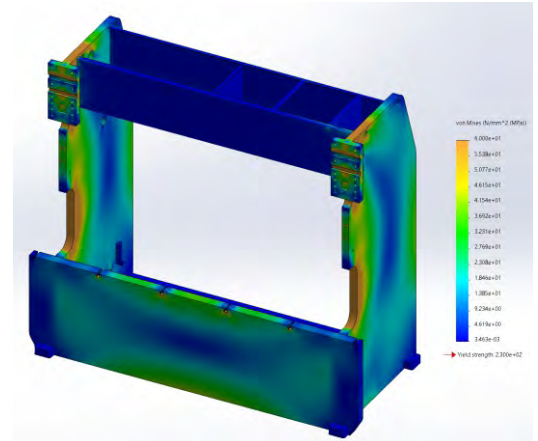
Servo Closed Loop Hydraulic System

- Two high resolution linear scales are provided to maintain the press beam positioning upto ± 0.01 mm.



High Rigidity

- Main Frame fabricated from tested steel plates and stress relieved to ensure uniform stress distribution, better stability and long lasting performance.
- Finite Element Analysis Software used to verify fatigue life of stress relieved Press structure and to enable maximum rigidity.
- Y1-Y2 beam tilting provision of upper press beam upto ± 10 mm.



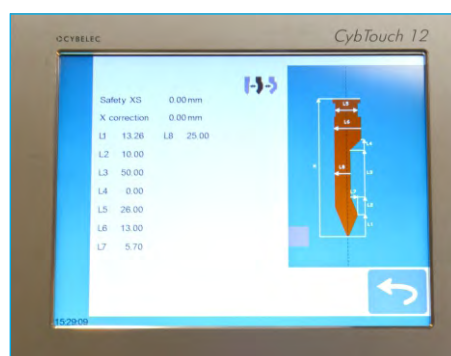
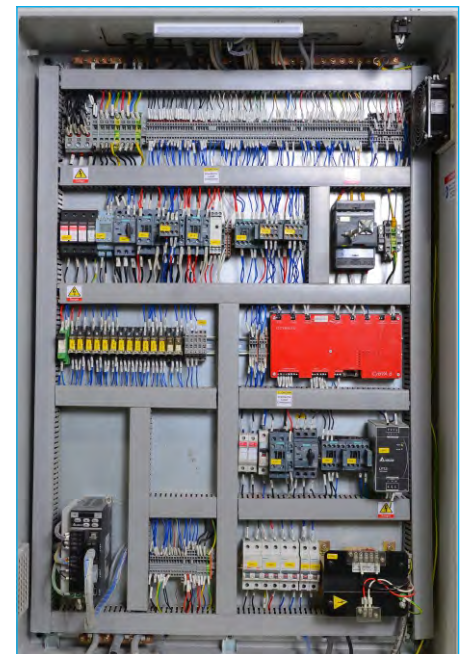
CNC Controller

Hardware Features

- Cybelelec Make CYBTOUCH 12PS Model with 12" TFT display
- 2 GB Micro SD Card with firmware update
- USB Port
- 2 Serial Port
- Wireless Connection with PC/Notebook

Software Features

- Save the data for 300 programs.
- Interactive 2D Graphic Editor
- Programming with 2D representation
- Real-time programming for bending and pressure allowance calculation
- Backgauge Correction



SERVICE NETWORK

AHMEDABAD • BAWAL • BANGALORE • CHENNAI • DELHI
GURGAON • KOLKATA • MUMBAI • NOIDA • PUNE • YAMUNANAGAR

Technical Specifications

Model	Unit	50T		80T		110T		160T		220T		260T		340T			400T			500T			630T		800T		
Capacity	kN	500	500	800	800	1100	1100	1600	1600	2200	2200	2600	2600	2600	3400	3400	3400	4000	4000	4000	5000	5000	5000	6300	6300	8000	8000
Power	kW	5.5	5.5	7.5	7.5	11	11	15	15	18.5	18.5	22	22	22	30	30	30	37	37	37	37	37	37	55	55	55	55
Number of Cylinders	Nos.	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Stroke Length	mm	150	150	150	150	200	200	200	200	250	250	250	250	250	250	250	250	300	300	300	375	375	375	325	325	325	325
Lowering Speed	mm/sec	100	100	100	100	100	100	100	100	100	100	100	100	100	80	80	80	90	90	90	75	75	75	50	50	50	50
Pressing Speed	mm/sec	10.5	10.5	10.5	10.5	9.5	9.5	9.5	9.5	9	9	9	9	9	9.5	9.5	9.5	9	9	9	8.5	8.5	8.5	8.5	8.5	5.5	5.5
Return Speed	mm/sec	80	80	80	80	80	80	80	80	70	70	90	90	90	100	100	100	80	80	80	80	80	80	40	40	40	40
Max. Working Length	mm	1600	2100	2600	3100	3100	4300	3100	4300	3600	5200	3100	4300	5200	3100	4300	5200	3100	4300	5200	3100	4300	5200	5200	6200	5200	6200
Between Columns	mm	1200	1600	2100	2600	2600	3700	2600	3700	3020	4300	2600	3700	4300	2600	3700	4300	2600	3700	4300	2600	3700	4300	4300	5100	4300	5100
Max. Shut Height	mm	315	315	375	375	385	385	450	450	500	500	500	500	500	500	500	500	550	550	550	560	560	560	625	625	625	625
Throat Depth	mm	250	250	250	250	300	300	320	320	320	320	300	300	300	350	350	350	400	400	400	400	400	400	400	400	400	400
Bolster Width	mm	60	60	170	170	80	80	80	80	100	100	250	250	250	250	250	250	300	300	300	400	400	400	400	400	400	400

Wide Range of Metal Forming Machines

Servo Presses • Transfer Presses • Progressive Presses • High Speed Presses • Hot Stamping & Hot Forming Hydraulic Presses
Standard Straight Sided Mechanical & Hydraulic Presses • Blanking Lines • Tandem Press Lines - Mechanical & Hydraulic
Cold Forging Presses • Tryout & Die Spotting Presses • Gap Frame & Ring Frame Power Presses • Special Purpose Presses



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Sales Representatives : Brazil • China • France • Germany • Hungary • Indonesia • Italy • Japan • Malaysia • Mexico
Poland • Russia • South Africa • Spain • Thailand • Turkey • USA • Vietnam

Some of the accessories / fitments shown in the reference photograph may not be part of Standard equipment supplied.
Isgec reserves the right to change specifications without prior notice.
Details given in this Brochure are indicative & may change.