

S-SERIES

CNC HYDRAULIC PRESS BRAKE



WELCOR[®]

CNC MACHINES

www.weldorcncmahines.com

INFRASTRUCTURE

History

As India's Largest Manufacturer of sheet Metal Forming Machines, **WELDOR** Group Produces High Quality Machines with 49 years of Experience.

WELDOR Group was Established By our CMD **Late Mr. Gordhandas Vaghela** in the year 1975. The Company Quickly became India's one of the Largest Manufacturer of Sheet Metal Forming Machines, **WELDOR** CNC. Machines Produces High Quality Machines Since 1975 with more than 48 years of Experience. The main facility of WCM is equipped with Large Precise Mother Machinery and with a Large Number of Vendors with CNC Machines Together has the capacity of Producing 500 Volume of Sheet Metal Forming Machineries Per Annum.

Since 1975's **WELDOR** Group Has Supplied More Than 9500 + Sheet Metal Forming Machinery World wide. We have served turnkey solutions for pipe manufacturing mills, perforated sheets for screening, kitchen sink drawing line, CRC roof corrugation lines and many more.

In the Year 2015, "**WELDOR** CNC Machines" was established as a new group company dedicated to manufacture all types of precise CNC sheet metal forming machines in a modern Different Infrastructure Led By **Mr. Mahesh G. Vaghela** and **Mr. Nikun M. Vaghela**.

Achievements

WELDOR Group has Successfully Completed jobs & Projects for Companies like **T.I.I. India Pvt. Ltd., Amara Raja Group**, Ordnance Factory Tiruchirappalli, **National Aerospace Laboratories**, Bangalore, **Silk Kerala**, the **Mysore Electricals Ltd**, **KLT Automotive**, **Vasant Group**, **Sumeet Group**, **LML Kanpur**, **Surin Automotive**, **Metalman Auto Pvt. Ltd.**, **Akg Cooling Systems**, **Beml Ltd.**, **Indian Railways** and many more.

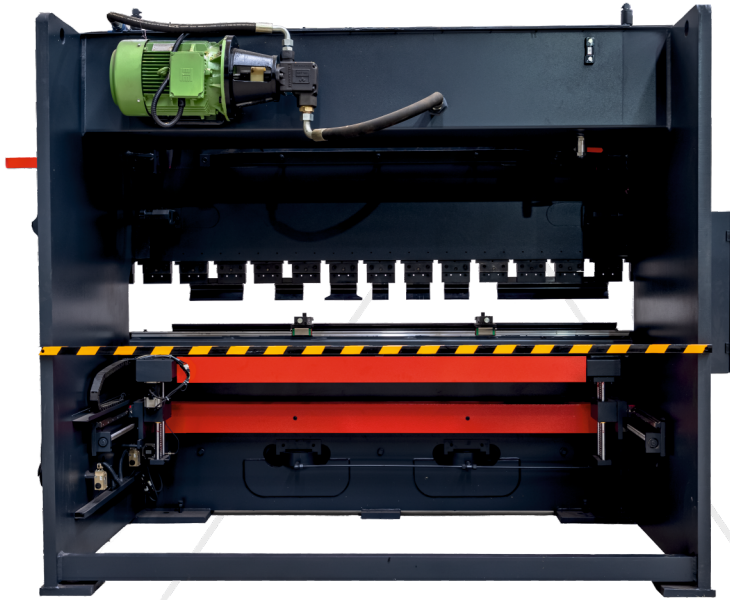
Majorly Manufactured Machineries are CNC Hydraulic Press Brakes, Hybrid Press Brakes, CNC Panel Benders, NC Hydraulic Plate Roll Bending Machine 3/4 Roll, Pipe Punching Machines, CNC V-Grooving Machines and refurbishment of Amada Turret Punch Press Machines.

We can produce precision sheet metal components and heavy fabricated structures for various fields also. with need and time we can setup a unit nearby the customer facility also. the main facility of **WELDOR** Group is Equipped with precise mother machinery and with a large number of vendors with CNC Machines Together has the capacity of producing 500 volume of sheet metalworking machines. since 1970's **WELDOR** has supplied more than 9000 sheet metal forming machinery worldwide.

WELDOR Group has served turnkey solutions for pipe manufacturing mills, perforated sheets for screening, kitchen sink drawing line, crc roof corrugation lines and many more. weldor group has successfully completed jobs for companies like alstom, reliance, hpcl, essar etc.

Major manufactured machineries are CNC Hydraulic Press Brakes, CNC V-Grooving Machine, Pipe Punching machine, cnc/nc hydraulic shearing, plate roll bending, section bending machines & refurbishment of amada punch presses other sheet metal forming machines. wide range of operating mechanism is offered as servo cnc hydraulics, hybrid drive and cnc electric press brakes. heavy metal division along with machine building unit, we can produce precision sheet metal components and heavy fabricated structures for various field. with need and time we can setup a unit nearby the customer facility also.

ENGINEERED TO MEET THE FUTURE MARKET WITH ADVANCED TECHNOLOGY



The Advance Technology

The S-Series is suitable for various jobs; and high production manufacturing its user friendliness helps the operator in managing the difficult and complicated jobs the productivity.

The machine frame is rigidly welded and stress relieved. The mono block frame is then machined in a single setup for avoiding inaccuracies and distortion post fabrication process.

The Y1, Y2 Hydraulic Cylinders are Synchronized with servo Hydraulic system from Germany.

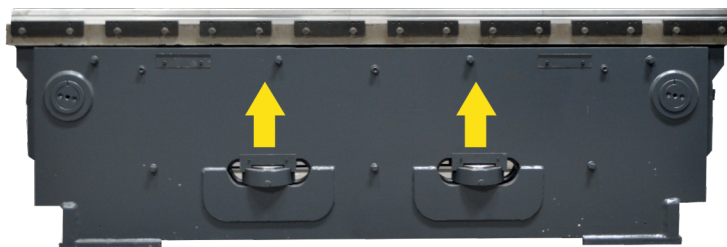
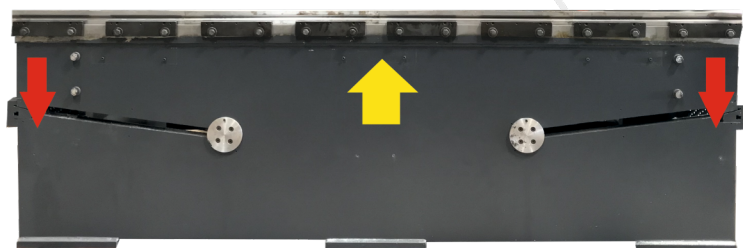
The Synchronization of both Cylinders is Individually Monitored with high precision linear encoders.



Quick Change Adaptors

Passive Crowning (Up to 100 Ton Machines)

The Natural Crowning Action of the lower beam matches the deflection of the ram to provide consistent angle throughout the entire length of the bed.



CNC Hydraulic Crowning (Starting from 120 Ton & More)

Controlled by A.C. Servo Drive & Pump, Three Beam hydraulic crowning design automatically provides consistent angular accuracy. Mainly correcting the bend angle to minimize angular irregularities due to material thickness variation.

CONTROLLER OPTION



CybTouch 8 PS

As part of the CybTouch range, it has an inducive and vivid color touch screen and a high integration of functions. Thanks its interactive touch software interface with large keys, on-line help, and many other automatic functions that constantly guide the operator, CypTouch 8 is as simple as a positioner control. CybTouch 8 comes with a robust, modern and streamlined housing specially designed to be mounted on an arm.



CybTouch 12PS

- Large touchscreen, with vivid colors & high contrast.
- Hand drawing touch profile function.
- Simple pages, clear display, large keys.
- Intuitive and user-frindly interface.
- Complete programming for efficient with multiple bends.
- 4 Axis control (Y1-X-R).
- Touch profile 2D graphic part creation with manual sequencing.



CybTouch 15PS

- 15" modern streamlined glass surface touch screen that can be used with gloves.
- 4 or 6 axis control in a compact housing.
- Z1, Z2 axis (Requires CybMVA module for Y1, Y2).
- Tandem management.
- Wide storage capacity.
- Internal backup and restore functions.
- Wireless communication fro extended diagnostics and updated (with laptop).



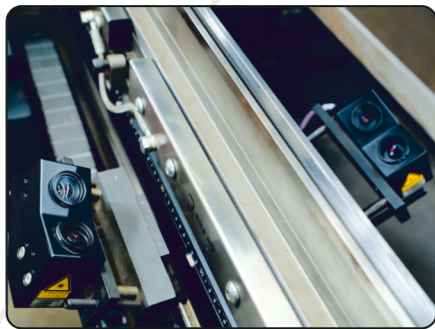
VisiTouch 19

- 19" modern streamlined glass surface touch screen that can be used with gloves.
- User friendly HMI, thanks to intuitive programming.
- 2D graphical profile drawing (Touch profile) and MX viewer (3D).
- Automatic bending sequence calculation.
- All kinematics available.
 - For X, Xrelatives, Xslave, R, Rslavve & Zaxis.
 - For back and front multiples gauge.
 - For bending aids.

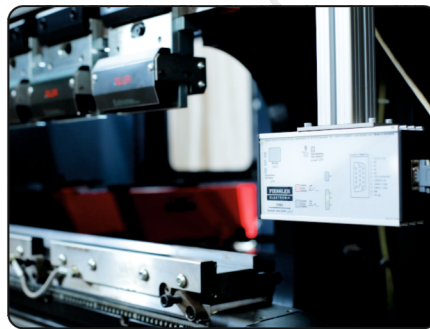
STANDARD & OPTIONAL EQUIPMENT



R Axis Backgauge



Automatic Laser Angle Correction System from data-M Engineering GmbH, Germany

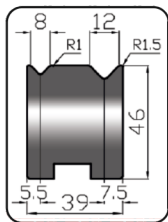


User Laser Safety from Fessler Electronic GmbH, Germany

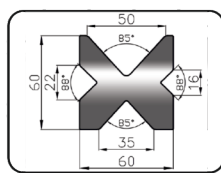


X Axis Backgauge

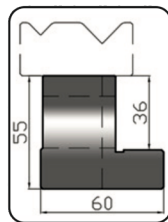
Standard Set of Tooling Options



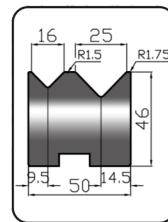
2V DIE 8,12 RAIL TYPE.



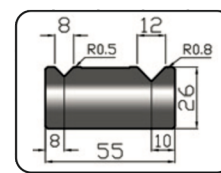
4V DIE



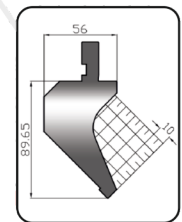
BOLTED BASE



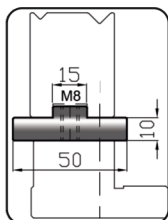
V16,25 RAIL TYPE



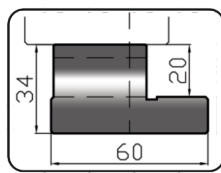
V8,12_BOLTED TYPE



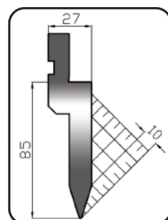
P120 FULL GOOSENECK PUNCH.



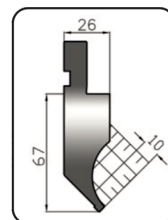
RAIL



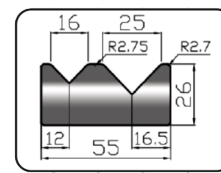
RAIL TYPE BASE



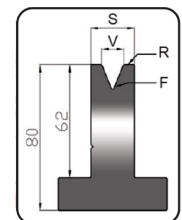
STRAIGHT PUNCH P115



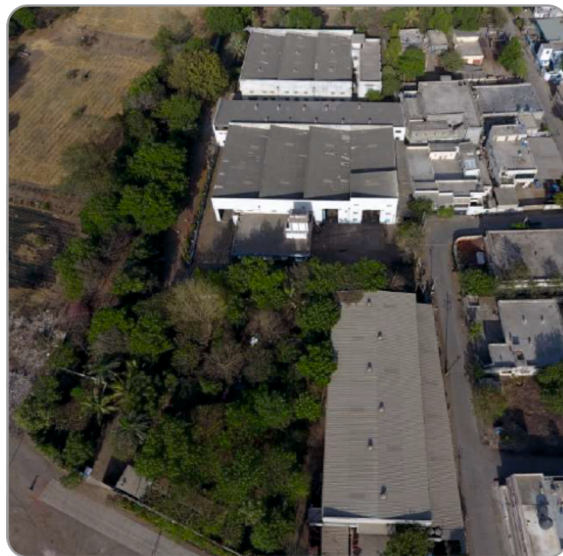
P97 SEMI GOOSENECK



V16,25 BOLTED TYPE



T-TYPE 2V DIE



MODEL	WCMPB	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13
	TONNAGE	80	100	120	150	150	200	200	200	200	250	250	250	250
BENDING LENGTH X THX.	MM	2500 X 4	3100 X 4	3100 X 5	3100 X 6	4000 X 5	3100 X 8	4000 X 6	5000 X 5	6000 X 4	3100 X 10	4000 X 8	5000 X 6	6000 X 5
DISTANCE BETWEEN HOUSING	MM	2050	2550	2550	2550	3400	2550	3400	3400	5000	2550	3400	4000	5000
Y RAPID SPEED	MW/SEC	100	100	100	100	100	70	70	70	70	70	70	70	70
Y WORKING SPEED	MW/SEC	10	10	10	8	8	8	8	8	8	8	8	8	8
Y RETURN SPEED	MW/SEC	60	60	60	70	60	50	50	50	50	50	50	50	50
DAY LIGHT	MM	375	375	375	400	400	475	475	475	475	500	500	500	500
TABLE WIDTH	MM	60	60	90	90	90	90	90	90	90	90	120	120	120
TABLE HEIGHT	MM	900	900	965	965	95	965	965	965	965	965	965	965	965
STROKE	MM	150	150	150	175	175	225	225	225	225	225	250	250	300
THROAT DEPTH	MM	300	300	300	300	300	300	300	300	300	300	300	300	300
BACK GAUGE FINGER BLOCK	AMOUNT	2	2	2	2	2	2	2	2	4	2	3	3	4
TRAVEL IN X AXIS	MM	700	700	700	700	700	700	700	700	700	700	700	700	700
TRAVEL IN R AXIS	MV(+/-)	100	100	100	100	100	100	100	100	100	100	100	100	100
MOTOR POWER	HP/KW	10 / 7.5	10 / 7.5	12 / 9	15/11.2	15/11.2	20/15	20/15	20/15	20/15	25/18.75	25/18.75	25/18.75	25/18.75
OIL TANK CAPACITY	LTR	450	450	500	500	500	500	550	600	600	600	600	600	600
LENGTH (L)	MM	3100	3500	3700	3750	4750	3800	4800	5800	6900	3800	3800	3800	6800
WIDTH (W)	MM	1350	1500	1500	1700	1700	1800	1800	1800	1850	1800	4850	5850	1850
HEIGHT (H)	MM	2450	2450	2600	2700	2700	2700	2700	2700	2790	2700	2800	2800	2800

MODEL	WCMPB	S14	S15	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26
	TONNAGE	325	325	325	325	425	425	425	600	600	600	800	800	800
BENDING LENGTH X THX.	MM	3100 x 13	4000 x 10	5000 x 08	6000 x 06	4000 x 13	5000 x 10	6000 x 8	5000 x 15	6000 x 12.5	8000 x 9	5000 x 20	6000 x 16	8000 x 12.5
DISTANCE BETWEEN HOUSING	MM	2550	3400	4000	5000	3400	4000	5000	4000	5000	7000	4000	5000	7000
Y RAPID SPEED	MW/SEC	60	60	60	60	50	50	50	50	50	50	50	50	50
Y WORKING SPEED	MW/SEC	8	8	8	8	7	7	7	6	6	6	5	5	5
Y RETURN SPEED	MW/SEC	50	50	50	50	50	50	50	40	40	40	40	40	40
DAY LIGHT	MM	500	500	500	500	550	550	550	625	625	625	625	625	625
TABLE WIDTH	MM	150	150	150	150	200	200	200	250	250	250	250	250	250
TABLE HEIGHT	MM	965	1000	1000	1000	1100	1100	1100	1200	1250	1250	1250	1250	1250
STROKE	MM	250	250	250	250	300	300	300	325	325	325	325	325	325
THROAT DEPTH	MM	300	300	300	300	325	325	325	325	325	325	325	325	325
BACK GAUGE FINGER BLOCK	AMOUNT	2	3	3	3	4	3	4	3	4	4	4	4	4
TRAVEL IN R AXIS	MM	120	120	120	120	120	120	120	120	120	120	120	120	120
TRAVEL IN X AXIS	MV(+/-)	700	700	700	700	700	700	700	700	700	700	700	700	700
MOTOR POWER	HP/KW	40 / 30	40 / 30	40 / 30	40 / 30	50/37.5	50/37.5	50/37.5	60/45	60/45	60/45	60/45	60/45	60/45
OIL TANK CAPACITY	LTR	650	650	650	650	700	700	700	800	800	800	1000	1000	1000
LENGTH (L)	MM	3800	4800	5800	6800	4850	5550	6850	5900	6900	9000	6000	7000	7000
WIDTH (W)	MM	1850	1850	1850	2900	2100	2100	2200	2200	2300	2300	2400	2400	2400
HEIGHT (H)	MM	2900	2900	2900	2900	3000	3000	3000	3200	3200	3200	3400	3400	3400

Specifications, appearance & equipments are subject to change without notice by reason for improvement.

OUR TECHNOLOGY PARTNERS



OUR CLIENTS



WELDOR[®] CNC MACHINES

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CONTACT US!



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