

WELDOR[®]

CNC MACHINES

Forming The Future - The True Reputation of Quality

BENDING

HYBRID DRIVE TECHNOLOGY



HYBRID



ECO FRIENDLY CUM
70% ENERGY SAVING



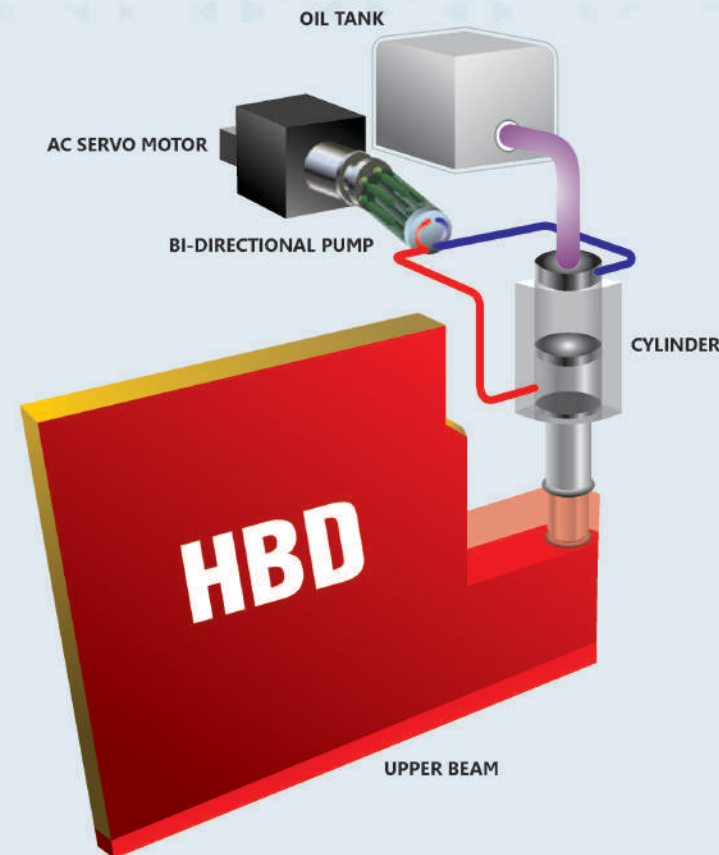
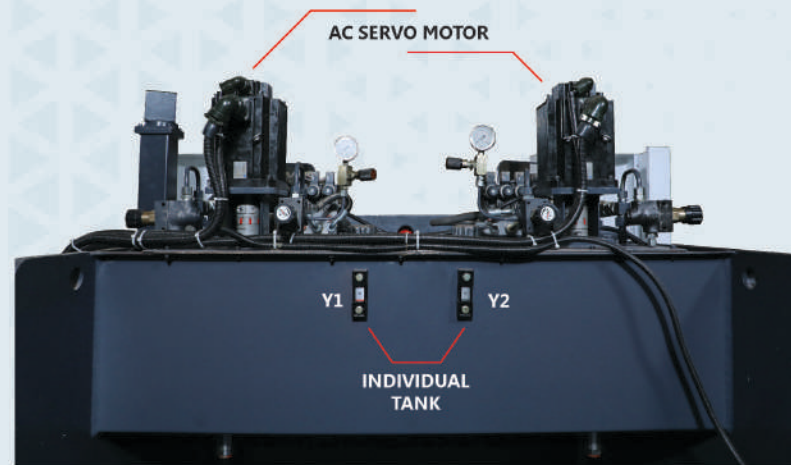
MADE IN INDIA

www.weldorcncmachines.com

HYBRID DRIVE SYSTEM

INDEPENDENT AC-SERVO MOTORS DRIVE HIGH EFFICIENCY, BI-DIRECTIONAL HYDRAULIC PUMP.

UPTO 70% LESS POWER CONSUMPTION - HYDRAULIC PUMP & MOTORS ARE ON, ONLY WHEN THE RAM IS MOVING.

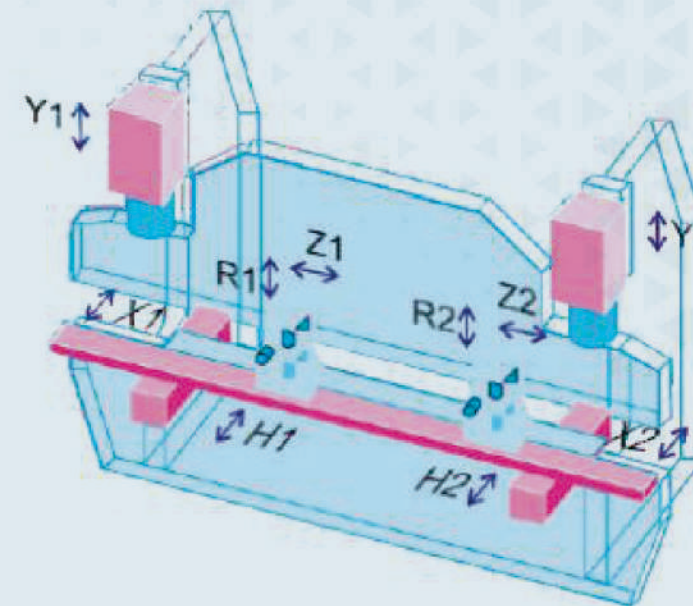


LESS HYDRAULIC OIL REQUIRED-SMALLER OIL TANK - FEWER OIL CHANGES.

LOW NOISE - SILENT WORKING - BETTER PRODUCTIVITY FROM THE OPERATOR.

AN ULTRA-HIGH PRECISION, HYBRID SYSTEM FEATURING ADVANCED HYDRAULICS THAT PROVIDES THE BEST POSITIONING ACCURACY, SPEED & REPEATABILITY.

BACKGAUGE



OPTION INDEPENDENT AXIS MOVEMENT FOR COMPLEX JOBS.

STANDARD BACKGAUGE COMES WITH SINGLE AXIS, FRONT & BACK - X AXIS.

OPTION FOR BACKGAUGE UP & DOWN CAN BE ADDED - R AXIS.

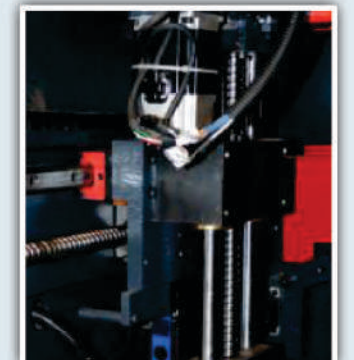
OTHER AXES X1, R1 (X, R SLAVE), Z1, Z2 WILL MAKE THE BACKGAUGE FULLY INDEPENDENT.

BACKGAUGE AXIS OPTIONS - 2 AXIS (X, R), 4 AXIS (X, R, Z1, Z2), 6 AXIS (X1, X2, R1, R2, Z1, Z2) CAN BE FEATURED IN THE MACHINE ON SPECIFIC REQUEST.

HIGH-SPEED MOVEMENT ON ALL ACES ENSURES THAT THE GAUGE FINGERS ARE POSITIONED AS QUICKLY AS THE OPERATOR POSITIONS THE PART.

AC SERVO MOTOR DRIVES FOR ALL AXES ALLOW PERFECT POSITIONING.

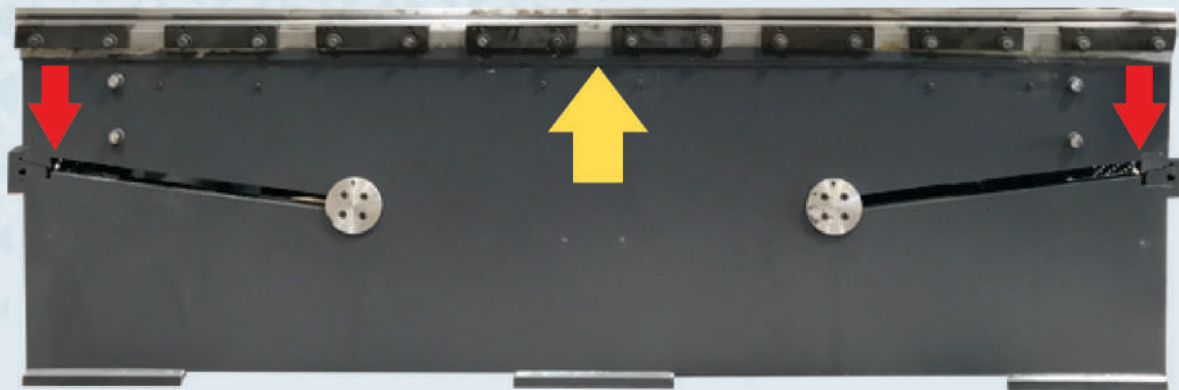
LOW PROFILE DESIGN ENABLES PART POSITIONING OVER THE TOP OF THE FINGER SLOT FOR JOB RESTING, SUPPORT AND ACCURATE REFERENCE CAN ALSO BE ACHIEVED WITH A FINE TUNING KNOB (0.1 mm) ADJUSTMENT.



CROWNING

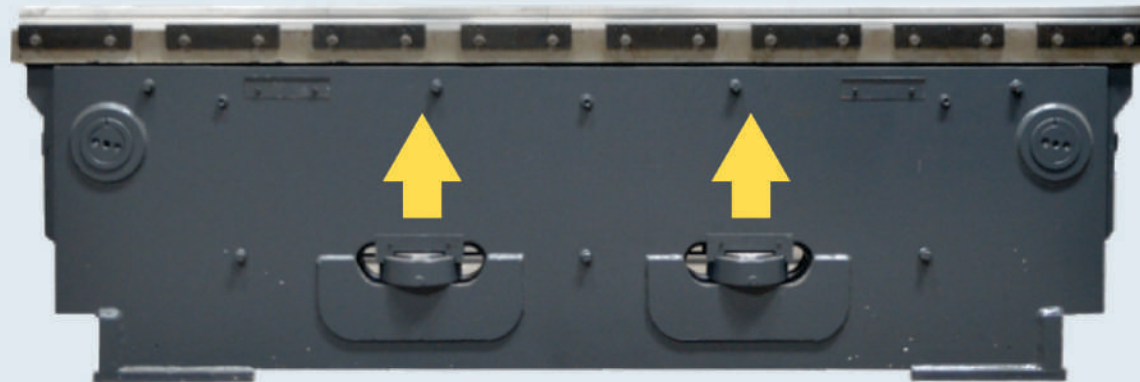
UNIQUE ANTI-DEFLECTION SYSTEM

1. PASSIVE CROWNING (UPTO 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.

2. 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.

CNC CONTROLLERS

CYBELEC CybTouch 8PS



STANDARD CONTROLLER

- 8" TOUCH SCREEN COLOUR DISPLAY WITH SIMPLE PAGE, CLEAR DISPLAY AND LARGE KEY.
- INTUITIVE AND USERFRIENDLY INTERFACE.
- EASY SINGLE BENDS WITH THE EASYBEND PAGE.
- 2D GRAPHICS PROFILE CREATION WITH MANUAL SEQUENCING
- BEND ALLOWANCE CALCULATION.
- PRESSURE - CROWNING CALCULATION.
- BENDING ANGLE AND BACK GAUGE CORRECTION.
- MEMORY : 10 MATERIALS | 24 STEPS | 300 PROGRAMMES | 100 PUNCHES 100 DIES.

OPTIONAL CONTROLLERS

1. CYBELEC CybTouch 12PS



- 12" TOUCH SCREEN COLOUR DISPLAY WITH SIMPLE PAGE, CLEAR DISPLAY AND LARGE KEY.
- INTUITIVE AND USERFRIENDLY INTERFACE.
- EASY SINGLE BENDS WITH THE EASYBEND PAGE.
- EASY MANUAL MOVEMENT.
- 2D GRAPHICS PROFILE CREATION WITH MANUAL SEQUENCING
- BEND ALLOWANCE CALCULATION.
- PRESSURE - CROWNING CALCULATION.
- BENDING ANGLE AND BACK GAUGE CORRECTION.
- MEMORY : 10 MATERIALS | 24 STEPS | 300 PROGRAMMES | 100 PUNCHES 100 DIES.

2. CYBELEC CybTouch 15PS



- 15" MODERN STREAMLINED GLASS SURFACE TOUCH SCREEN THAT CAN BE USED WITH GLOVES.
- USER FRIENDLY HMI THANKS TO INTUITIVE PROGRAMMING AND EASY TO SETUP WITH DEDICATED.
- WIZARDS (AUTO TUNNING).
- 2D GRAPHICAL PROFILE DRAWING (TOUCH PROFILE) AND PRECISE 2D PROGRAM CREATION.
- AUTOMATIC BENDING SEQUENCE CALCULATION.
- EASY SINGLE BENDS THANKS TO THE EASYBEND PAGE.
- WIDE STORAGE CAPACITY.
- INTERNAL BACKUP AND RESTORE FUNCTIONS.
- WIRELESS COMMUNICATION FOR EXTENDED DIAGNOSTICS AND UPDATES.

OPTIONAL CONTROLLERS

3. CYBELEC VisiTouch 19 SERIES



- 19" MODERN STREAMLINED GLASS SURFACE TOUCH SCREEN THAT CAN BE USED WITH GLOVES.
- 2D GRAPHICAL PROFILE DRAWING (TOUCH PROFILE) AND MX VIEWER (3D).
- FULL DIGITAL WITH CANOPEN® AND ETHERCAT® FIELD BUSES CONTROLLING MANY AXES.
- HIGHEST PRECISION OF BENDING THANKS TO SOPHISTICATED ALGORITHMS.
- AUTOMATIC BENDING SEQUENCE CALCULATION.
- CUSTOMIZABLE INDUSTRY 4.0.
- CUSTOMIZABLE USER BUTTONS FOR THE MACHINE OPERATOR.

STANDARD PUNCH HOLDERS



- STANDARD QUICK RELEASE PUNCH HOLDERS ENSURE FASTER TOOL SET-UP.
- LONG LIFE DUE TO BOLTING MECHANISM.
- HEAVY IN DESIGN - CAN WITHSTAND HIGHER LOADS BY HOLDING MAXIMUM METAL FROM THE RAM.
- ROTATION OF LEVER LOCKS PUNCH INTO PLACE - NO NEED FOR WRENCH.

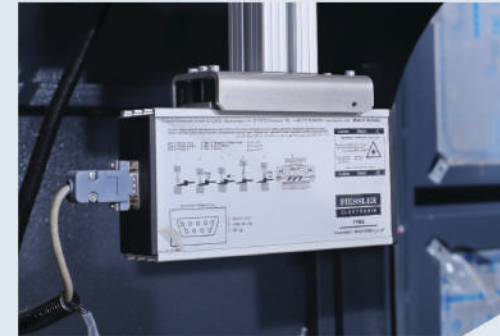
OPTIONAL PUNCH HOLDERS



HYDRAULIC TOOL CLAMPING FROM - ROLLERI S.p.A, ITALY

- AUTOMATIC HYDRAULIC TOOL ALIGNMENT - UPPER AND LOWER HOLDERS ARE HYDRAULICALLY ACTIVATED TO ALIGN TOOLS AUTOMATICALLY (WITHOUT BOLTS).
- DROP PREVENTION SYSTEM - SAFETY WEDGES MAKE TOOL CHANGES SAFER AND FASTER AND PROTECTS TOOLS FROM DAMAGE CAUSED BY DROPPING.
- REDUCED SET-UP TIME - THE AMADA TYPE MODULAR TOOLING SYSTEM IS ENGINEERED TO REDUCE SET-UP TIME BY 50%.

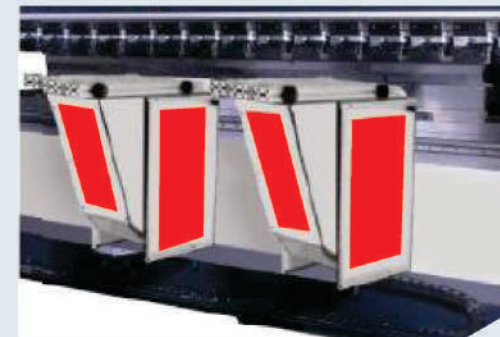
OPERATOR'S SAFETY



LASER HAND SAFETY FROM - Fiessler Elektronik GmbH & Co. KG, Germany

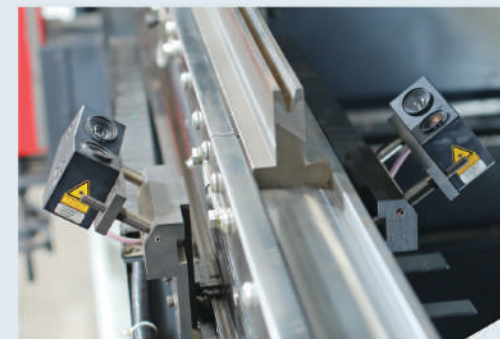
- SAFETY INTERLOCKS IN REAR DOOR AND SIDE GUARDS PROVIDES SIMPLE OPERATION WITHOUT THE NEED FOR PROGRAMMING BY THE MACHINE OPERATOR.
- FIESSLER LASER HAND SAFETY DEVICE FROM GERMANY PROTECTS USER'S HAND WHILE BENDING TO AVOID ANY FATAL INJURIES - CREATING OVERALL SAFETY FOR THE COMPANY AND LESS REJECTIONS IN JOBS.

AUTOMATIC SHEET FOLLOWERS



- TO ENHANCE PERFORMANCE WHILE IMPROVING OPERATOR SAFETY, HBD SERIES PRESS BRAKES CAN BE EQUIPPED WITH AND AUTOMATED WORK FOLLOWER SYSTEM.
- HEAVY SHEETS/PLATES CAN BE LOADED IN THROUGHOUT LENGTH IN ORDER TO DECREASE HUMAN ERRORS AND HELP SAVE LABOUR & TIME WHILE ACHIEVING EFFICIENCY IN WORK.

LASER ANGLE CORRECTION



LASER ANGLE CORRECTION FROM - dataM Engineering GmbH Germany

- THE LASERCHECK 10L SYSTEM ENHANCES THE WORKING ACCURACY IN PRODUCTION TIME. TWO LASER BEAMS CONSTANTLY MONITORS THE ANGLE BEING BENT AND SENDS READING FROM THE STRAIN GAUGE IN REAL TIME TO THE CNC SYSTEM.
- THE CNC SYSTEM THEN CORRECTS THE ANGLE BY INCHING THE RAM. THEREFORE, ENABLING THE USER TO ACHIEVE PERFECT 90° OR ANY SET ANGLE IN THE FIRST BEND.

SPECIFICATIONS

	UNIT	HBD 5020	HBD 8025	HBD 1003	HBD 1203	HBD 1503	HBD 2003
MACHINE FORCE	TON	50	80	100	120	150	200
WORKING LENGTH	mm	2000	2500	3100	3100	3100	3100
DISTANCE BETWEEN HOUSING	mm	1550	2050	2550	2550	2550	2550
STROKE	mm	200	200	200	200	225	275
DAYLIGHT	mm	400	400	400	400	450	525
THROAT	mm	300	300	300	300	300	300
TABLE WIDTH	mm	60	60	60	90	90	90
TABLE HEIGHT	mm	850	900	900	965	965	965
APPROACH SPEED	mm/s	200	200	200	200	170	150
PRESSING SPEED	mm/s	10	10	10	10	10	10
RETURN SPEED	mm/s	170	170	170	170	140	120
POWER CONSUMPTION	kW	5	6	12.5	12.5	17.5	20
X-AXIS TRAVEL	mm/s	500	600	600	600	600	600
R-AXIS TRAVEL	mm/s	100	100	100	100	120	120
OIL TANK	Ltr.	80	80	80	80	80	80

Specifications, appearance and equipment are subject to change without notice by reason for improvement.

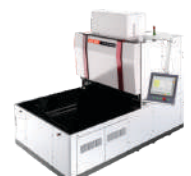
OUR ESTEEMED CLIENTS



V-GROOVING MACHINE



CNC SYNCHRO PRESS BRAKE



PANEL BENDER



CONTACT US!



VISIT US!

WELDOR®

CNC MACHINES

Forming The Future - The True Reputation of Quality

📍 SURVEY NO. 240, VERAVAL (SHAPAR) RAJKOT - 360 024. GUJARAT. INDIA.

☎️ +91 990 99 04640

✉️ weldorcncmachines@gmail.com

🌐 www.weldorcncmachines.com

🌐 www.weldorpunchpress.com