

WELDOR[®]

CNC MACHINES

Forming The Future - The True Reputation of Quality

BENDING PREMIUM SERIES

HYDRAULIC PRESS BRAKE



ACCURATE



FASTER SPEEDS



MADE IN INDIA

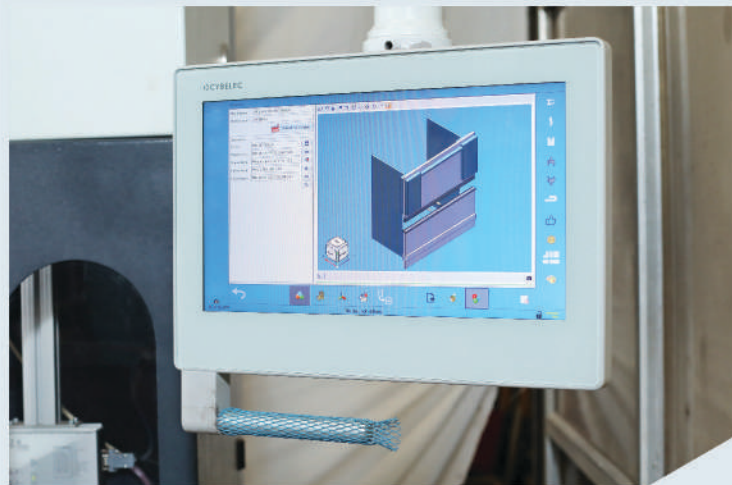
www.weldorcncmachines.com

CNC SYNCHRO PRESS BRAKE

THE INCREASED OPEN HEIGHT AND STROKES OF THE FRAME RESULTS IN THE OPTIMUM SOLUTION FOR ALL TOOLING TYPES, ALLOWING DEEPER BOX BENDING. THE NEW LOWER BEAM WITH PASSIVE & HYDRAULIC CROWNING SYSTEM, OPERATOR ERGONOMICS AND NARROWER DIMENSIONS PROVIDE HIGH PROCESSING FLEXIBILITY.

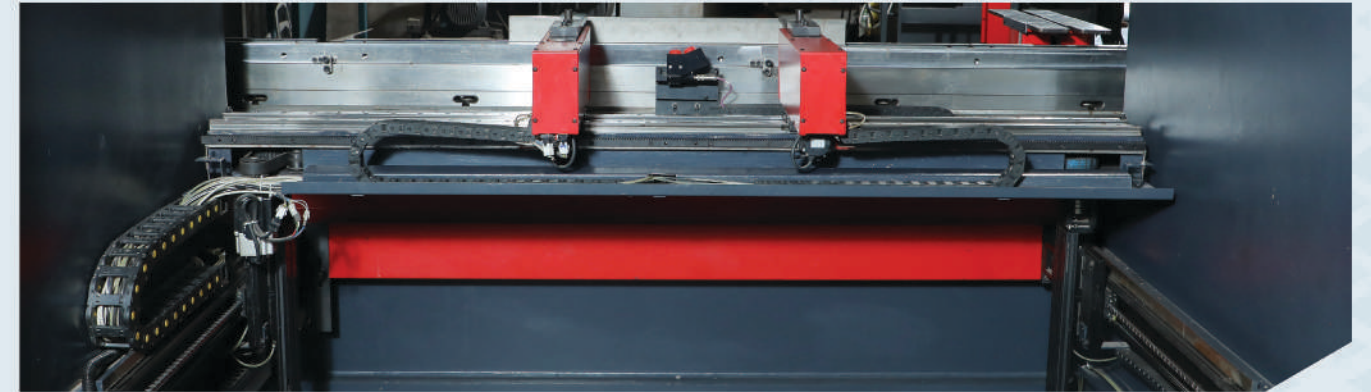


THE WORKING ENVIRONMENT HAS BEEN ORGANIZED WITH OPTIONAL FEATURES THAT SUPPORT THE USER FRIENDLINESS. THE OPERATOR CAN WORK WITH HIGHER COMFORT, HIGHER SPEED AND THEREFORE, HIGHER PRODUCTIVITY WITH LESS EFFORT CAN BE ACHIEVED.



THE PREMIUM SERIES PRESS BRAKE HAS BEEN DESIGNED WITH THE LATEST TECHNOLOGICAL EQUIPMENTS. WITH A NEW TOUCH SCREEN CONTROLS FROM CYBELEC, ECO-FRIENDLY TECHNOLOGY FOR ENERGY SAVING WITH MACHINE SHUT DOWN TIMER AND A RANGE OF ACCESSORIES FOR EASY & FASTER SET-UP. THE MACHINE IS AN EASY, ENVIRONMENTALLY FRIENDLY AND FLEXIBLE SOLUTION.

BACKGAUGE



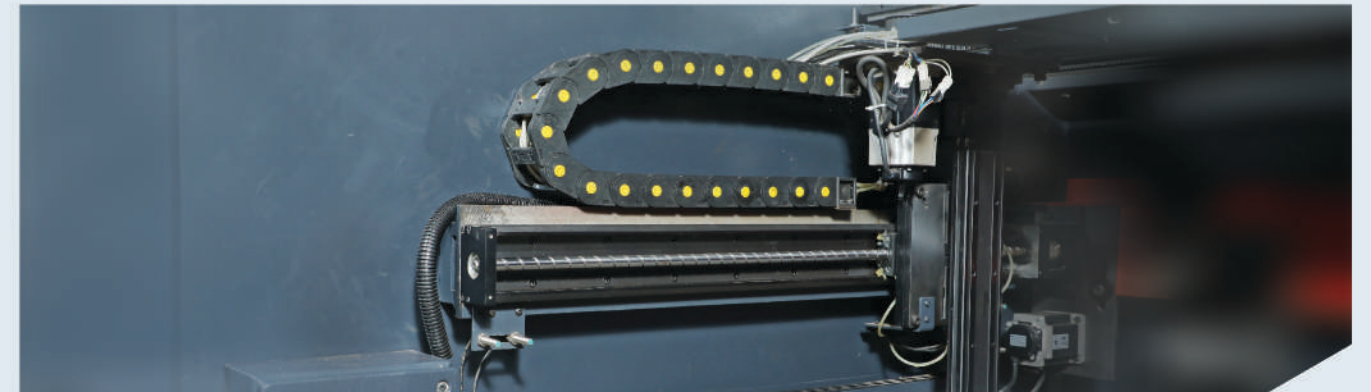
YOU CAN CHOOSE OPTIONAL INDEPENDENT AXIS MOVEMENT FOR YOUR COMPLEX JOBS.

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 CAN BE PUT AS - 2 AXIS (X, R), 4 AXIS (X, R, Z1, Z2), 5 AXIS (X, X', R, Z1, Z2), 6 AXIS (X1, X2, R1, R2, Z1, Z2) CAN BE FEATURED IN THE MACHINE ON SPECIFIC REQUEST.



COMBINING PAYLOAD AND POSITIONING ACCURACY, THE NEW DESIGNED BACK GAUGE, SPECIFICALLY DESIGNED FOR HIGH ACCURACY APPLICATIONS, OFFERS AN EFFICIENT SOLUTION FOR ACCURATE AND STABLE GAUGING.

HIGH-SPEED MOVEMENT THROUGH KK GUIDE ON ALL AXES ENSURES THAT THE GAUGE FINGERS ARE POSITIONED AS QUICKLY AS THE OPERATOR POSITIONS THE PART.

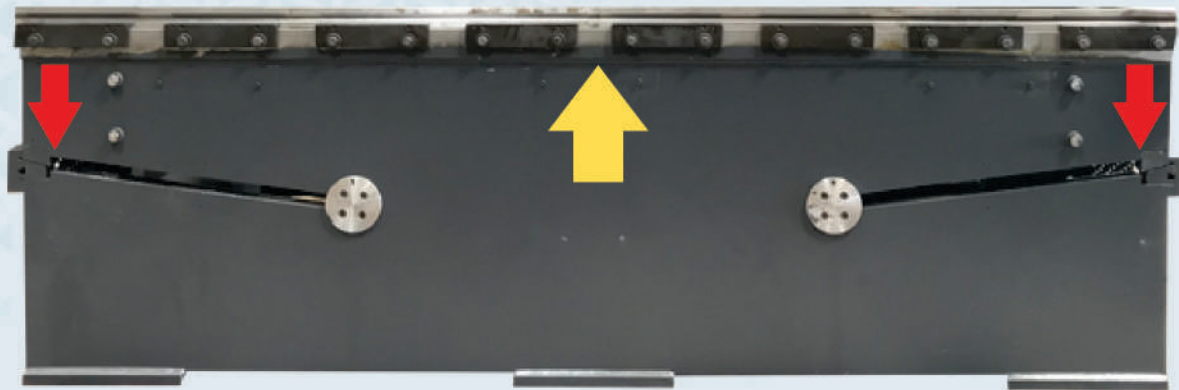
A.C. SERVO MOTOR DRIVES FOR ALL AXES ALLOW PERFECT POSITIONING.

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

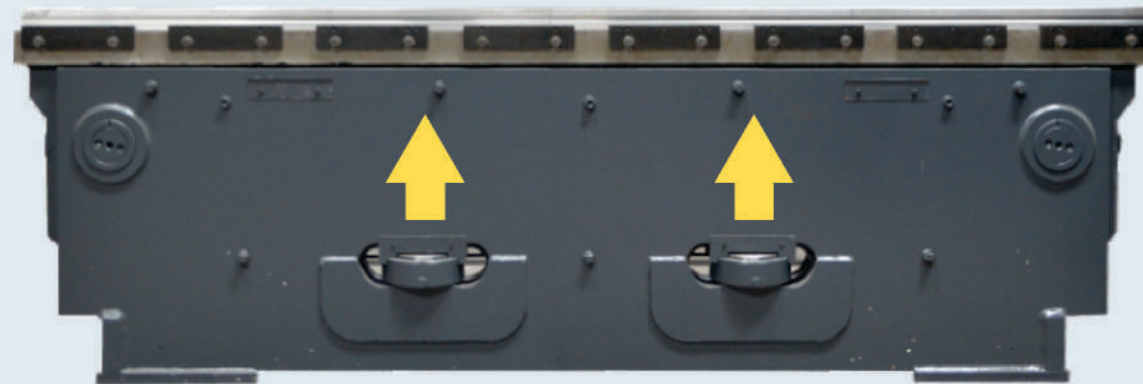
UNIQUE ANTI-DEFLECTION SYSTEM

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

OPTIONS

1. 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.

2. 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.

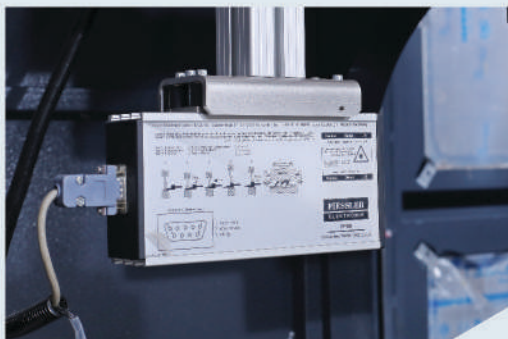
OPTIONAL PUNCH HOLDERS



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%.

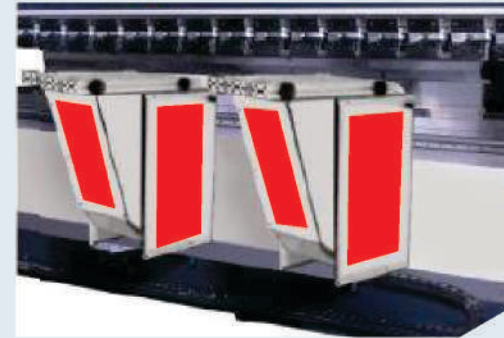
OPERATOR'S SAFETY



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, PREMIUM 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	PS 5020	PS 8025	PS 1003	PS 1203	PS 1503	PS 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	160
PRESSING SPEED	mm/s	14	14	14	14	12	10
RETURN SPEED	mm/s	170	170	170	170	130	120
MOTOR	kW / H.P.	7.5 / 10	15 / 20	15 / 20	20 / 25	22 / 30	30 / 40
X-AXIS TRAVEL	mm	500	600	600	600	600	600
R-AXIS TRAVEL	mm	100	100	100	120	120	120
OIL TANK	Ltr.	350	500	500	500	500	500

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

OUR ESTEEMED CLIENTS



CNC PIPE PUNCHING MACHINE



V-GROOVING MACHINE



CNC HYBRID PRESS BRAKE



PANEL BENDER



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VISIT US!

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