

WAD/WADE PRESS BRAKE



OUR COMPANY

For the past 40 years since 1982, our machines have been used by more than 50000 customers around the world. Over the years, ADH has focused on innovative research and development, and has become a leading manufacturer of metal sheet metal forming, laser cutting equipment and intelligent solutions.

- 40 years manufacturing & servicing experience
- Export to over 80 countries
- More than 40 technicians
- Rank top 5 in China



 EMPLOYEES

617

 PRODUCTION BASES

3

 ANNUAL SALES VOLUME

5000

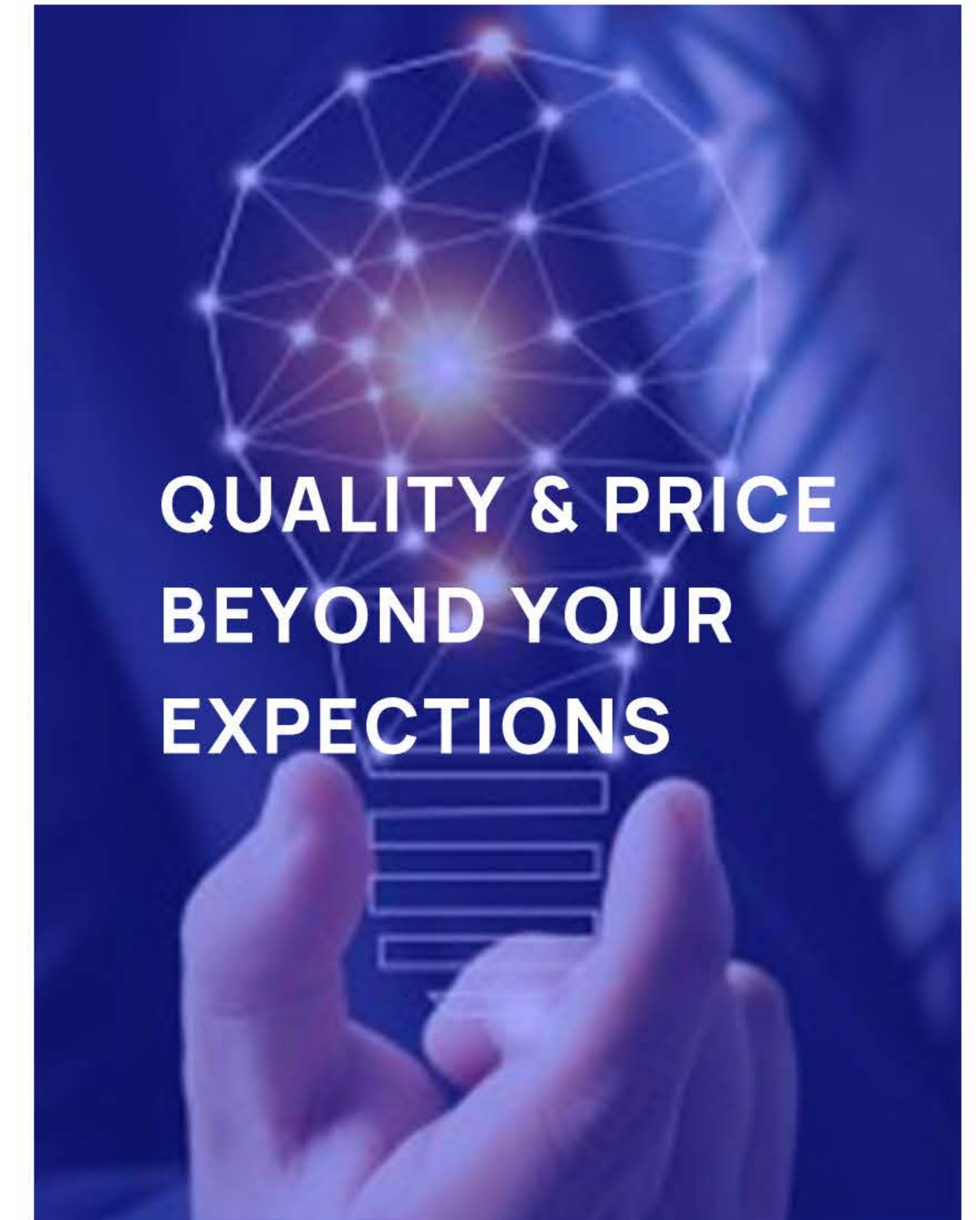
 SALES/SERVICE OFFICE

67

RELIABLE



**STRONG AT
AFTER-SALE SERVICES**



**QUALITY & PRICE
BEYOND YOUR
EXPECTATIONS**



WAD SERIES

CNC TYPE

- New EU streamlined design
- Integrated frame welding
- Adopt Tempering treatment
- Adopt shot blast to remove rust
- Sprayed with anti-rust treatment
- Adopt CNC three-dimensional machining
- Y1 and Y2 axes control
- Quiet speed waiting and fast down
- Low noise during pressing and return
- 60% less energy consumption
- Stable oil temperature
- More technical innovations
- Easy to operate
- High-frequency hydraulic control technology

EQUIPMENT FEATURES



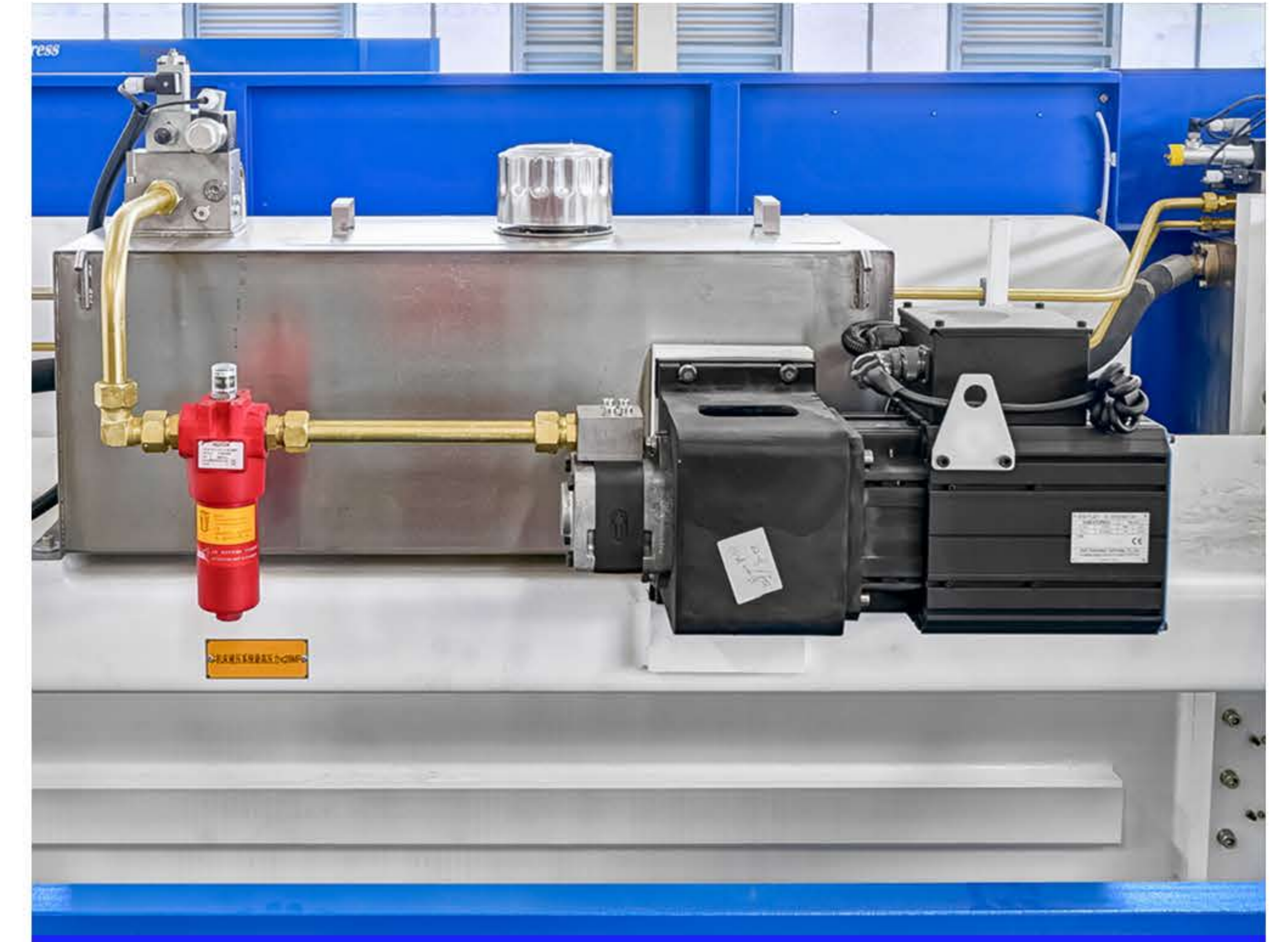
MECHANICAL STRUCTURE

- The main mechanical structure of the press brake consists of the frame, column, ram, worktable, the main cylinder and backgauge.
- The main components are through finite element analysis and optimized design by 3D software to fully guarantee the structural strength and rigidity of each component.



FRAME

- The foundation of every ADH press brake is a solid, mono-block frame which made from high yield steel.
- Which means our press brakes will perform accurately and reliably year after year.
- Every press brake frame is tempered.
- We're so confident in our frames so that we offer a 15-year warranty with our standard machines.



SERVO MOTOR

- Using servo motor as the main power source of hydraulic pump can save about 40% energy
- The overall efficiency of the slider increases by about 7-20%
- Oil temperature can be reduced by about 10-20°C



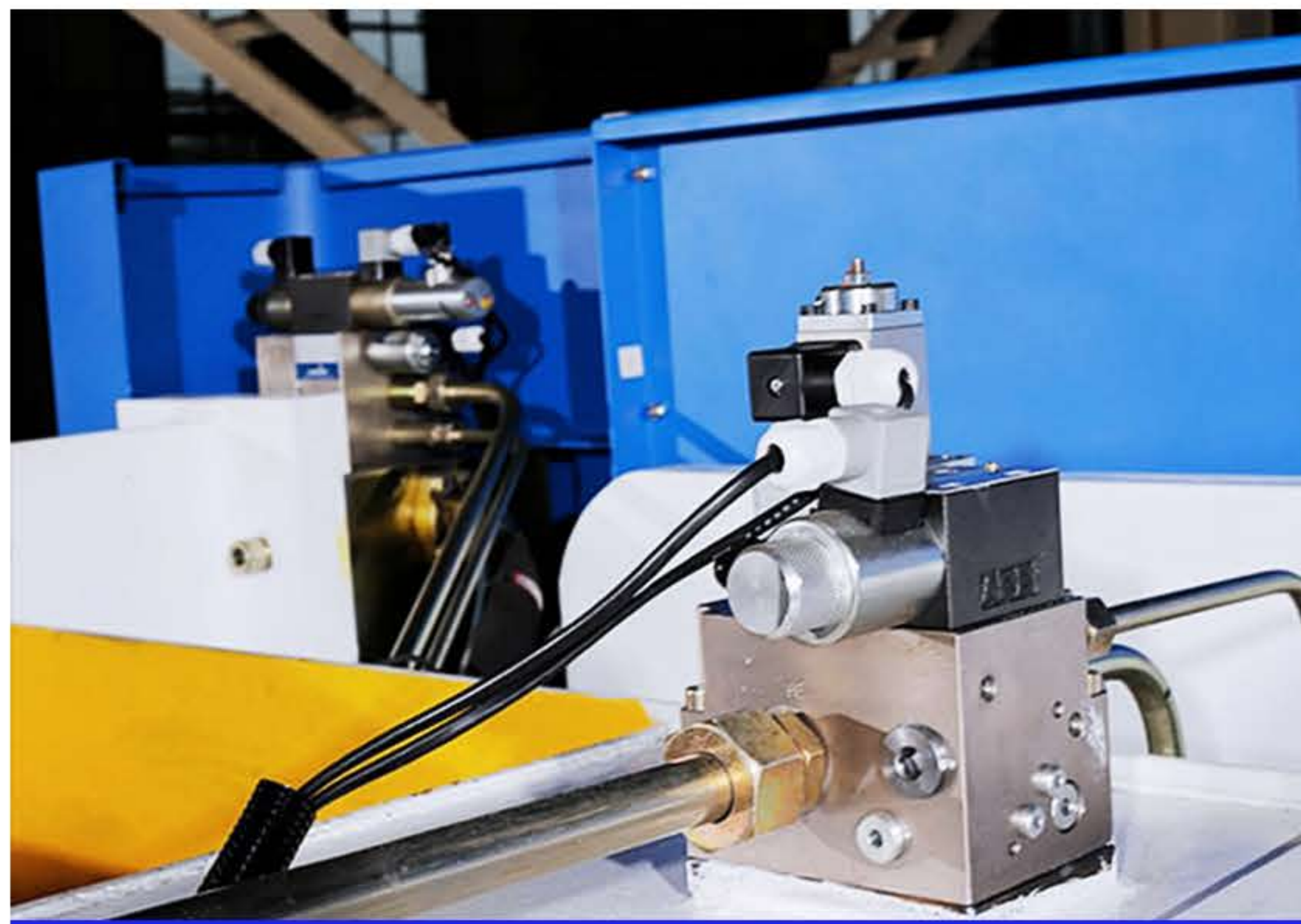
OIL PUMP

- HAWE / VOITH / ELKERLE:
Amazing low noise, made of high strength castiron and unique design for inner noise reduction
- Low sensitivity to oil pollution and assure of long service life



BACKGAUGE

- Taiwan PMI ball screw and linear rail
- Timing belt & wheel mechanism
- Servo motor control
- Adjustable height of backgauge finger



HYDRAULIC SYSTEM

- Our press brake machine uses Hoerbiger integrated hydraulic control system that make it more reliable and easy for maintenance.



FAST CLAMP

- The standard equipped fast clamp will help you replace the top punch in very short time.
- Convenient and time-saving.
- Fast intermediate loading and unloading function to improve work efficiency



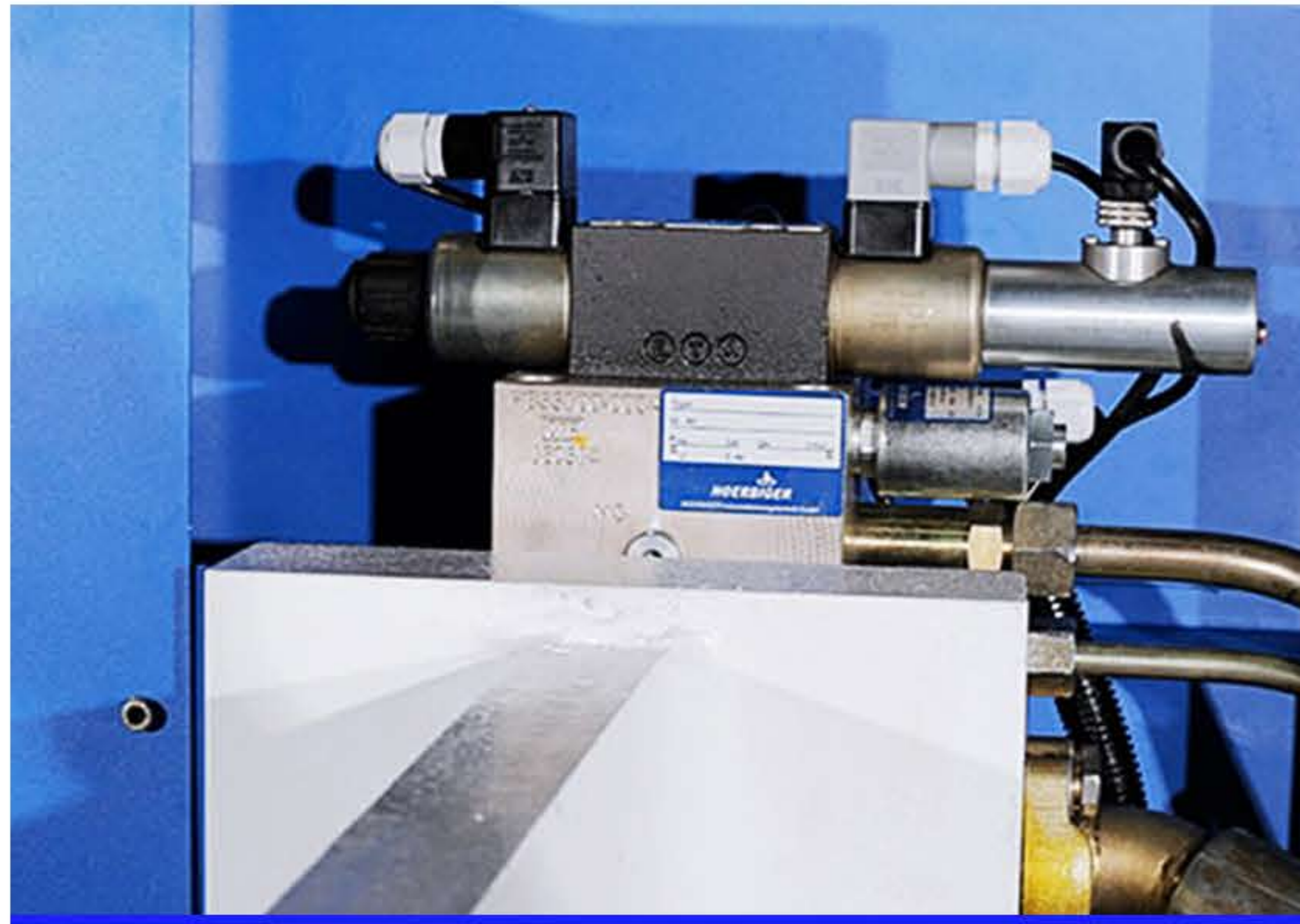
ELECTRICAL SYSTEM

- Our press brake adopt Schneider electrical components. The high quality electric parts can make the machine performing well even the electricity is not stable and customers can easily get the replacement anywhere in the world.



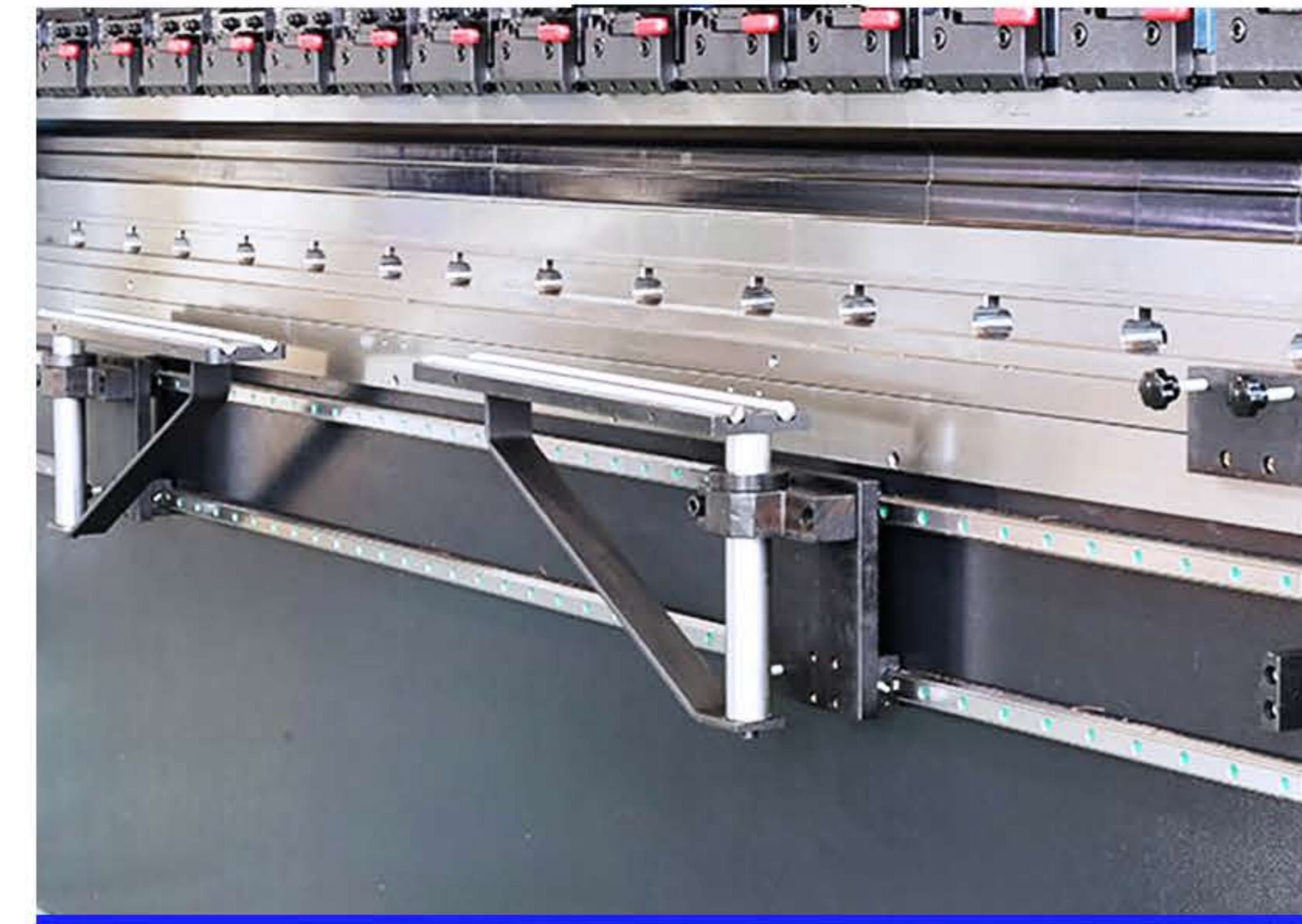
PUNCH & DIE

- The standard top punch and dual-V bottom die are specially designed for bending sheet metals. More press brake toolings can be selected as per your practical use. Material and HRC47 degree values are marked on it.



GERMANY HAWE VALVE

- Adopt Germany's HAWE integrated structure of oil pump and hydraulic valve to ensure the bending accuracy.



DUAL LINEAR GUIDE

- The front support arm with two linear guide is optional.



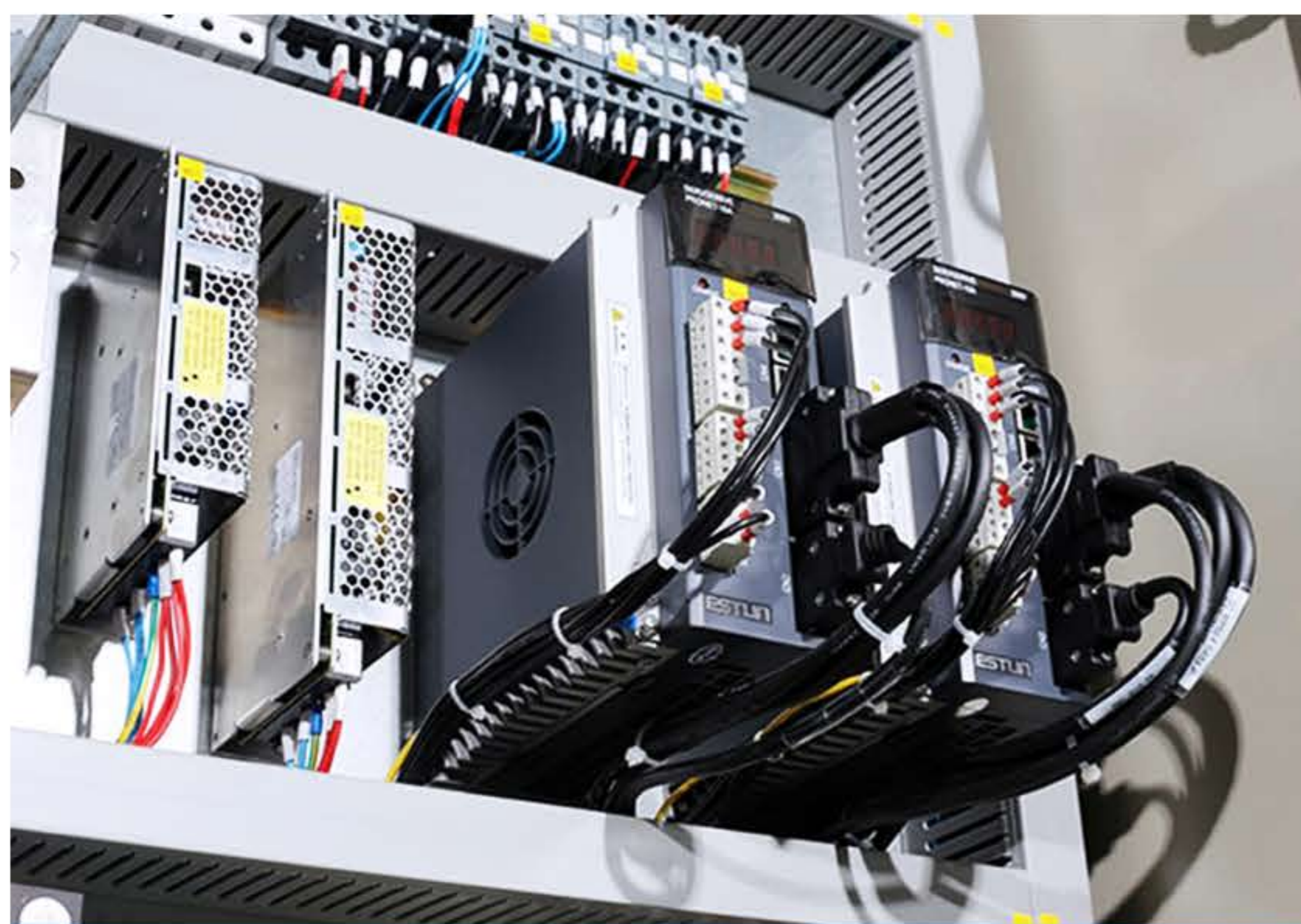
BACKGAUGE FINGERS

- Our WAD series CNC press brake will equip with 3 pieces of backgauge fingers with four adjustable range for positioning, with the accuracy of +0.01mm.



(OPTIONAL) FRONT LIGHT CURTAIN

- The front light curtain will be very helpful for protecting the fingers of the operators.



SERVO DRIVE

- Estun brand servo drive



(OPTIONAL) LASER PROTECTION

- Does not affect the efficiency of the press brake, can completely solve the safety problem.

QUALITY
IS
WHAT
WE
PURSUE





DELEM DA-53T

- Standard 4+1 axis control
- Menu*single-driven parameter programming
- 10.4" LCD true color TFT display
- Workbench flexibility proof control
- Mould Library
- USB interface
- Advanced Y-axis control algorithm, which can control both closed-loop and open-loop valves
- Built-in control valve amplifier
- PLC
- Analysis Software



CYBELEC TOUCH 12

- Controls 4 axes.
- Automatic bend sequencing (option).
- Bend allowance calculation.
- Pressure – crowning calculation.
- Modular tools for each part or bend.
- Angle and back gauge correction.
- Telemaintenance via wireless connection with PC or notebook.
- USB port for memory stick for data transfer/backup.



DELEM DA-58T

- 2D graphical touch screen programming
- 15" high resolution colour TFT
- Bend sequence calculation
- Crowning control
- Servo and frequency inverter control
- Advanced Y-axis control algorithms for closed-loop as well as open-loop valves
- USB, peripheral interfacing
- Profile-T offline software



ESA S630

- Numerical or optional 2D Graphical programming.
- Equipped with 10" colour touch screen.
- Backgauge control
- Angle programming
- Tooling libraries.
- "Simple manual" mode for quick bends.
- Retract function
- Storage of thousands of part programs.
- External USB memory stick port.



DELEM DA-66T

- 2D graphical touch screen programming mode
- 3D visualization in simulation and production
- 17" high resolution colour TFT
- Full Windows application suite
- Delem Modusys compatibility (module scalability and adaptivity)
- USB, peripheral interfacing
- Sensor bending & correction interface
- Profile-TL offline software



DELEM DA-69T

- 3D and 2D graphical touch screen programming mode
- 3D visualisation in simulation and production
- 17" high resolution colour TFT
- Full Windows application suite
- Delem Modusys compatibility (module scalability and adaptivity)
- USB, peripheral interfacing
- User specific application support within the controllers multitasking environment
- Sensor bending & correction interface
- Profile-T3D offline software

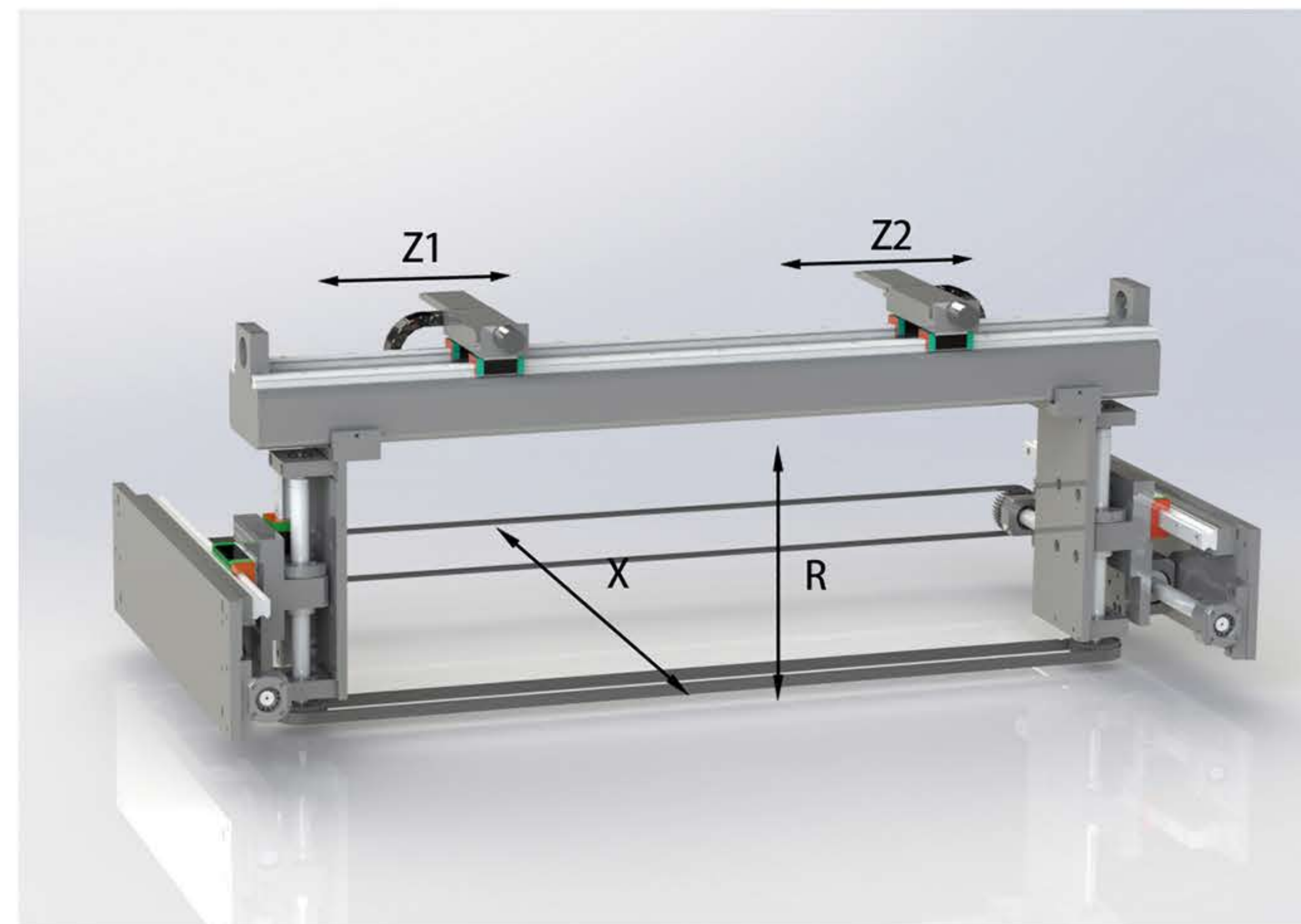
BACK GAUGE

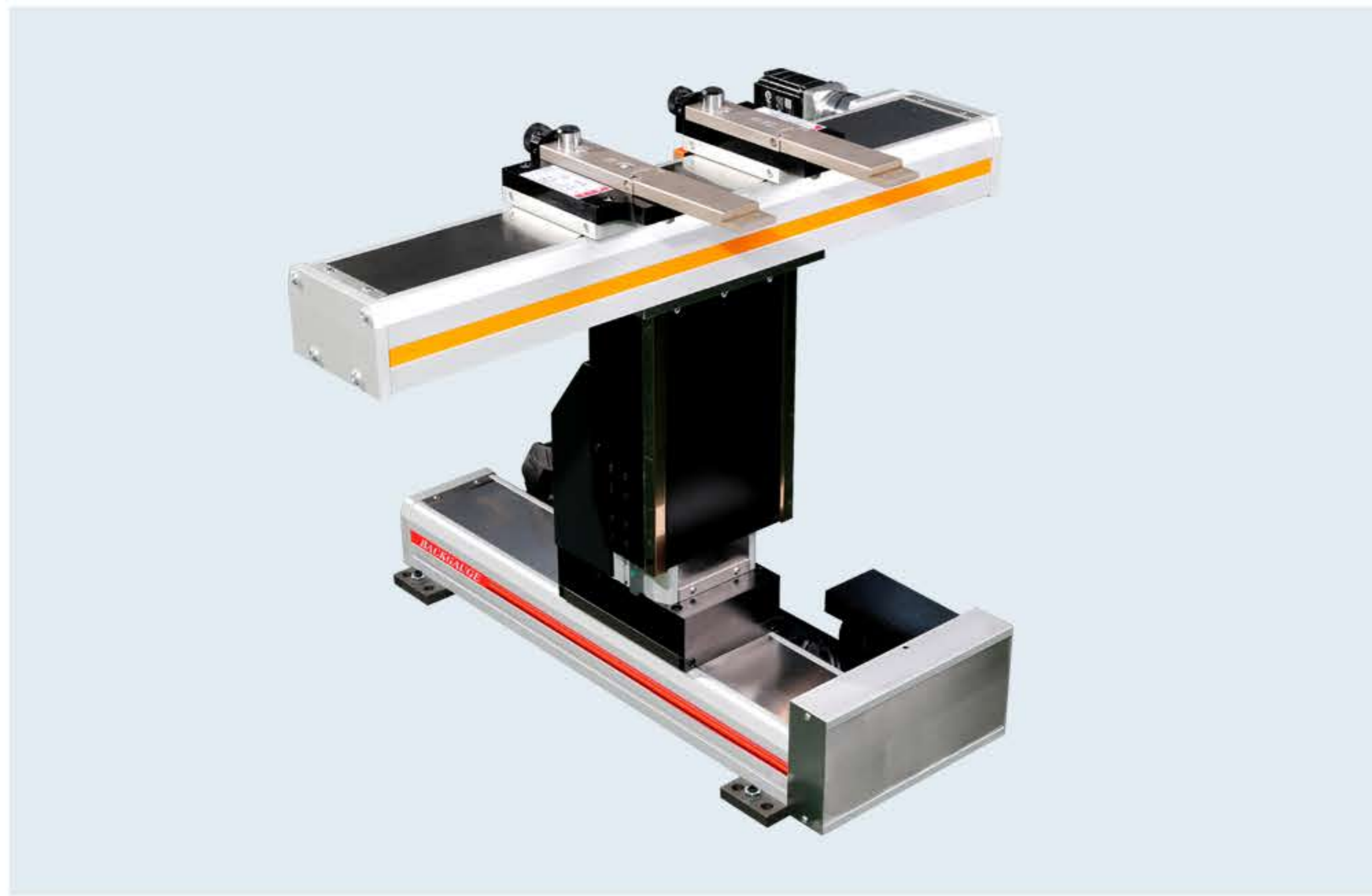
X-forward & backward

R-up & down

Z-left & right

Back gauges with different numbers of axes to meet all your needs.





SMALL BACKGAUGE
X+R+Z1+Z2



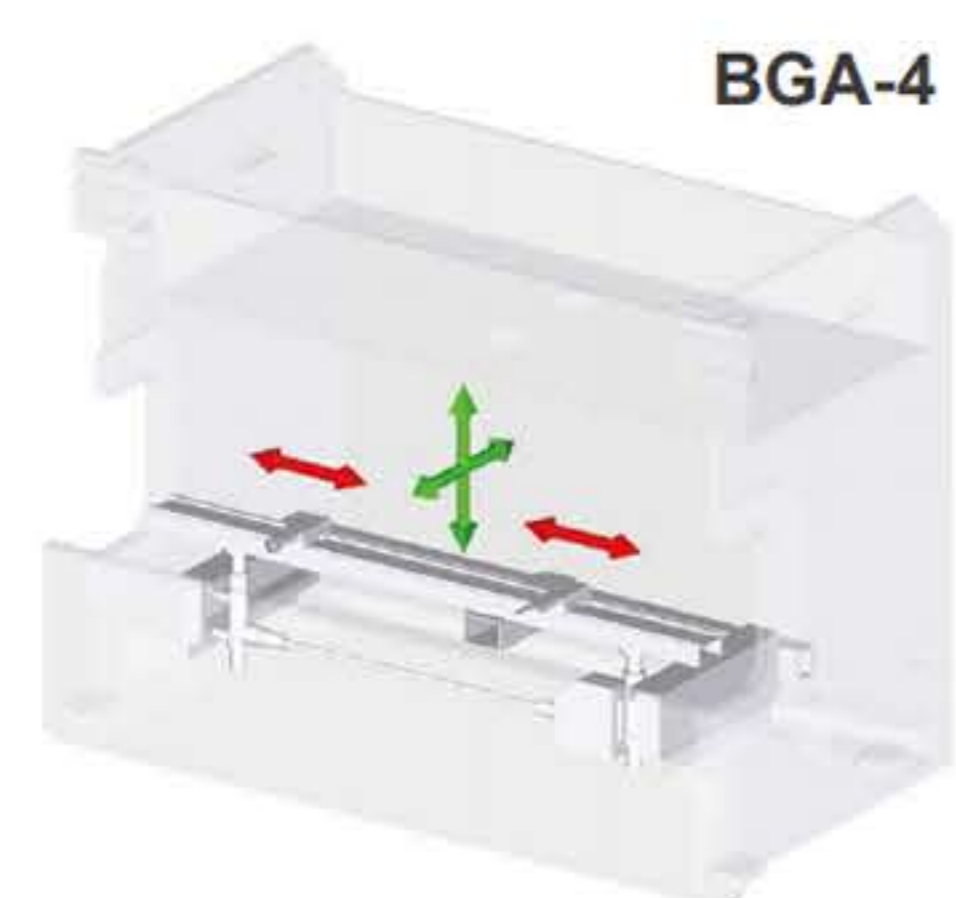
4 AXIS BACKGAUGE
X+R+Z1+Z2



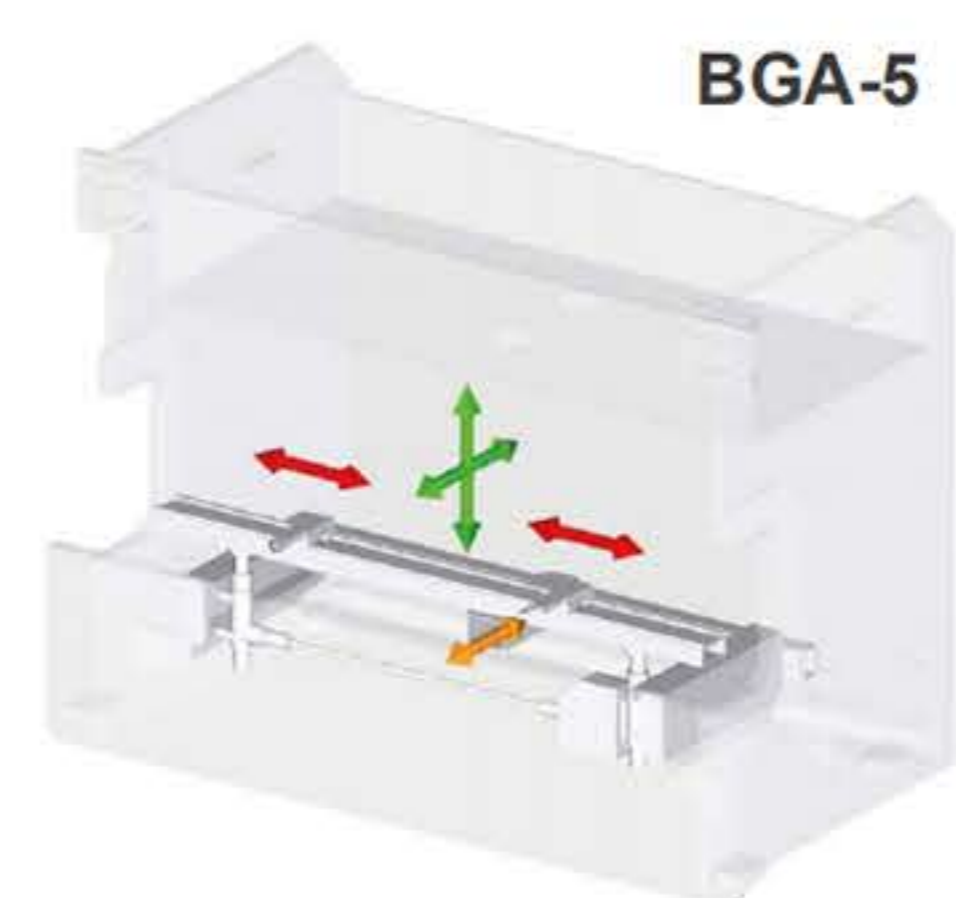
6 AXIS BACKGAUGE
X1+X2+R1+R2+Z1+Z2



2 axes Y1-Y2-X-R



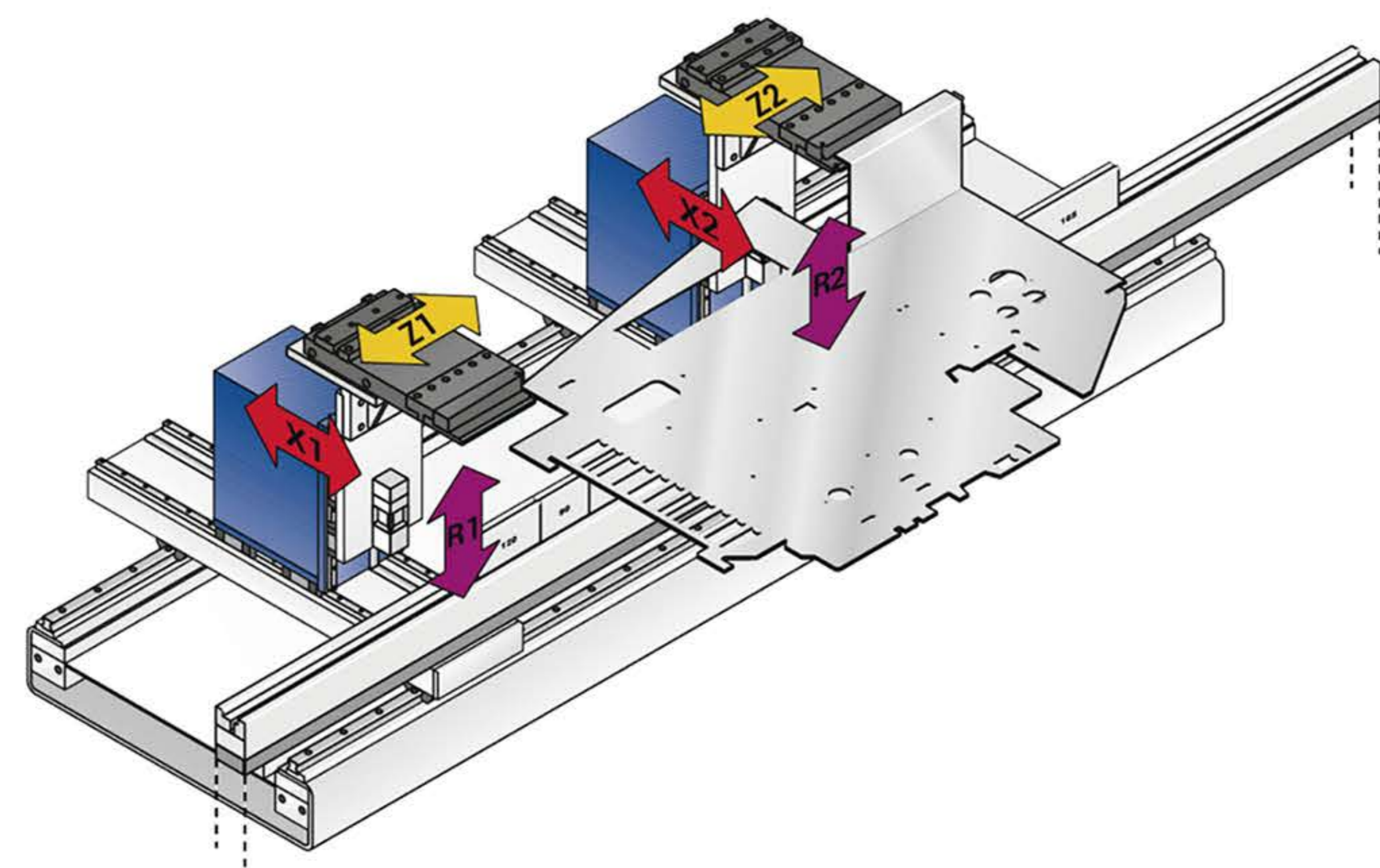
4 axes Y1-Y2-X-R-Z1-Z2



5 axes Y1-Y2-X1-R-X5-Z1-Z2

/BGA

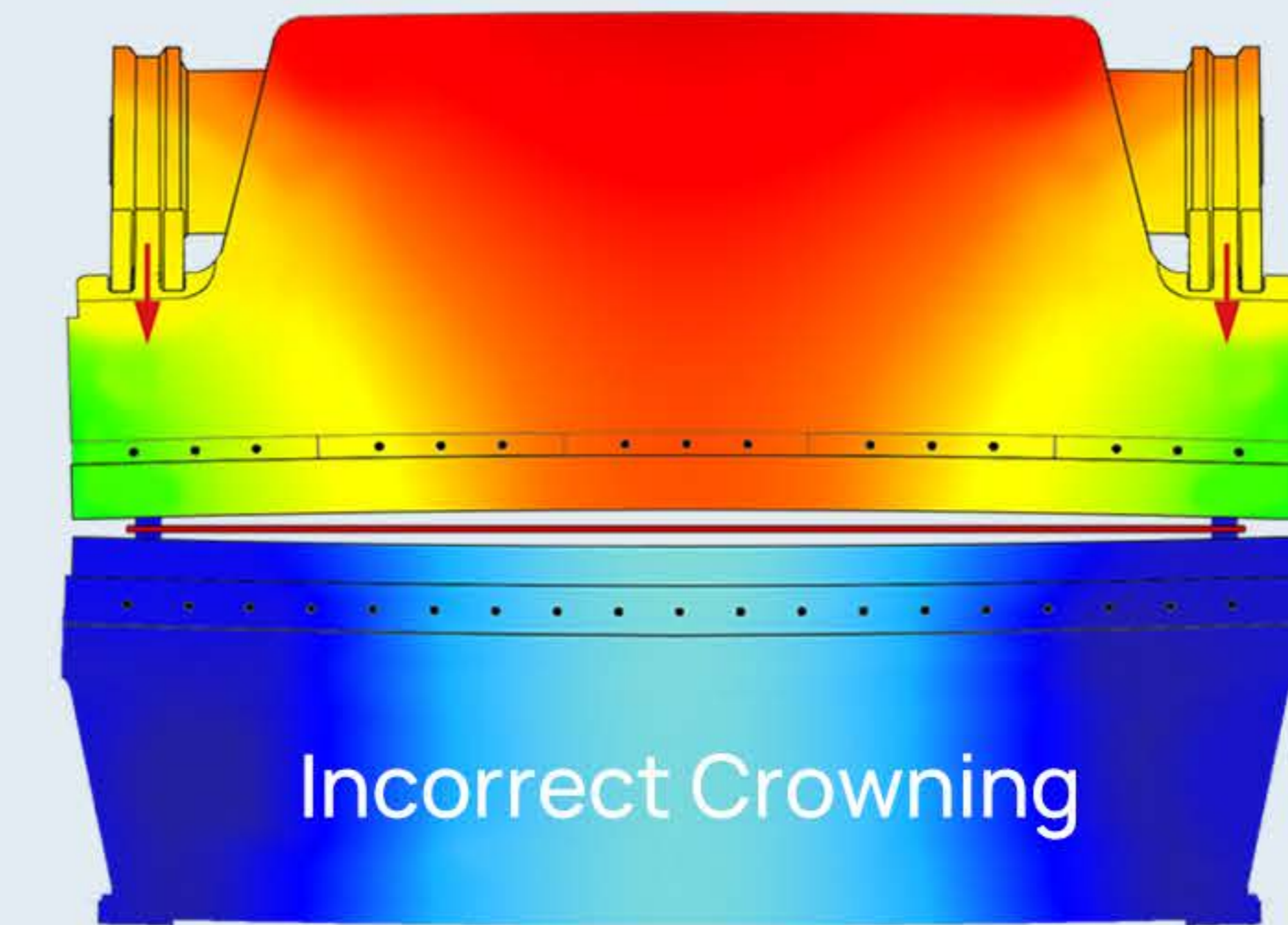
		X	R	Z1	Z2	X5
BGA 2	2 axes X+R (Standard)	750 (1000)	150	Under request*	Under request*	190
BGA 4	4 axes X+R+Z1+Z2 (Optional)	500	170	2000	2000	300
BGA 5	5 axes X+R+Z1+Z2+X2 (Optional)	0.01	0.05	0.05	0.05	0.01
	Type of motor	Servo Drive	Servo Drive	Servo Drive	Servo Drive	Servo Drive
	Mechanical system	Ball screw	Ball screw	Rack	Rack	Ball screw



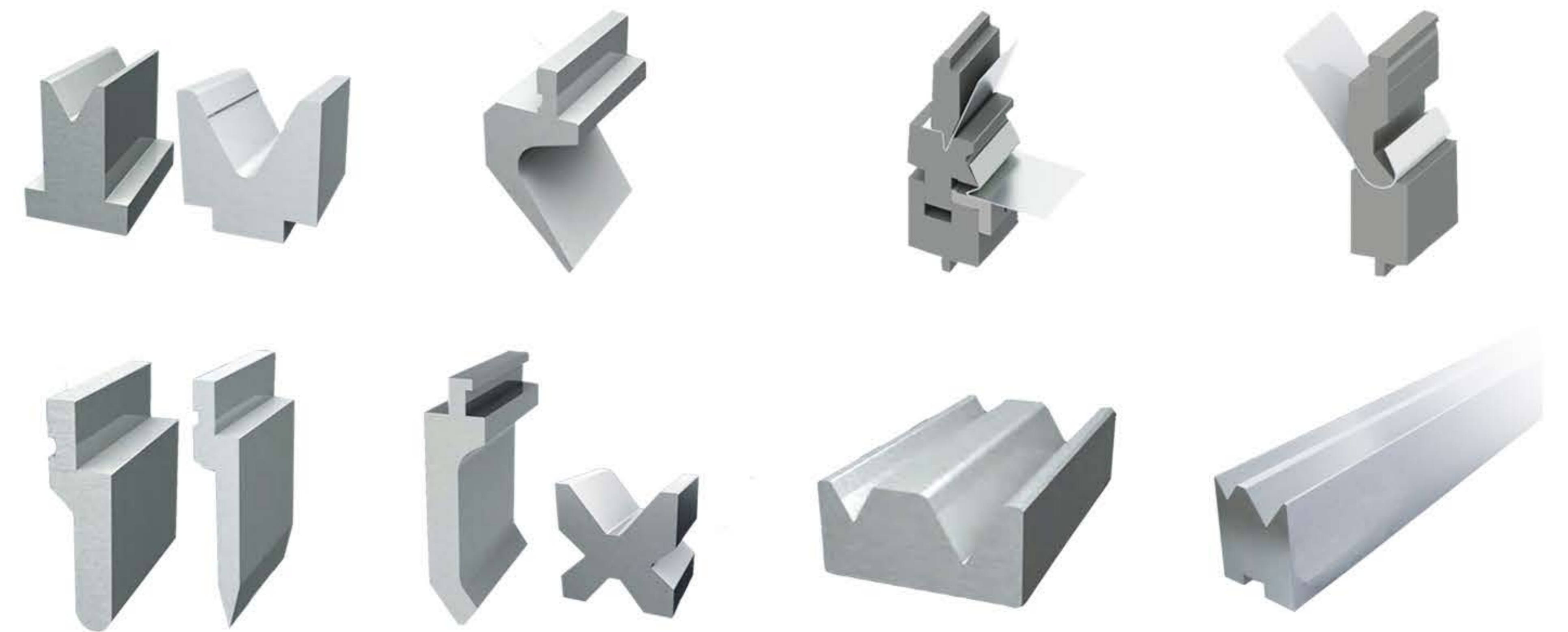
Axes	X1	X2	R1	R2	Z1	Z2
Stroke (mm)	750	750	200	200	Under request**	Under request**
Speed (mm/s)	500	500	500	500	2200	2200
Precision (mm)	0.01	0.01	0.01	0.01	0.05	0.05
Type of motor	Servo Drive	Servo Drive	Servo Drive	Servo Drive	Servo Drive	Servo Drive
Mechanical system	Ball screw	Ball screw	Ball screw	Ball screw	Rack	Rack

CROWNING

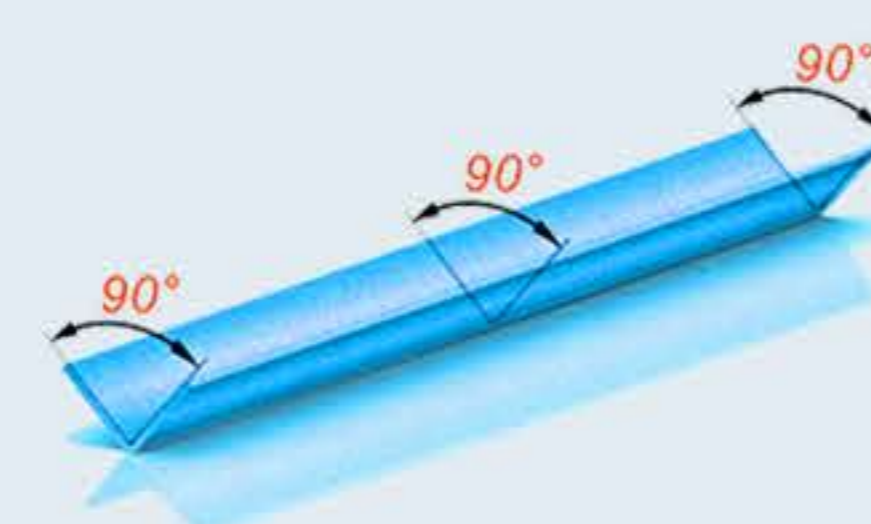
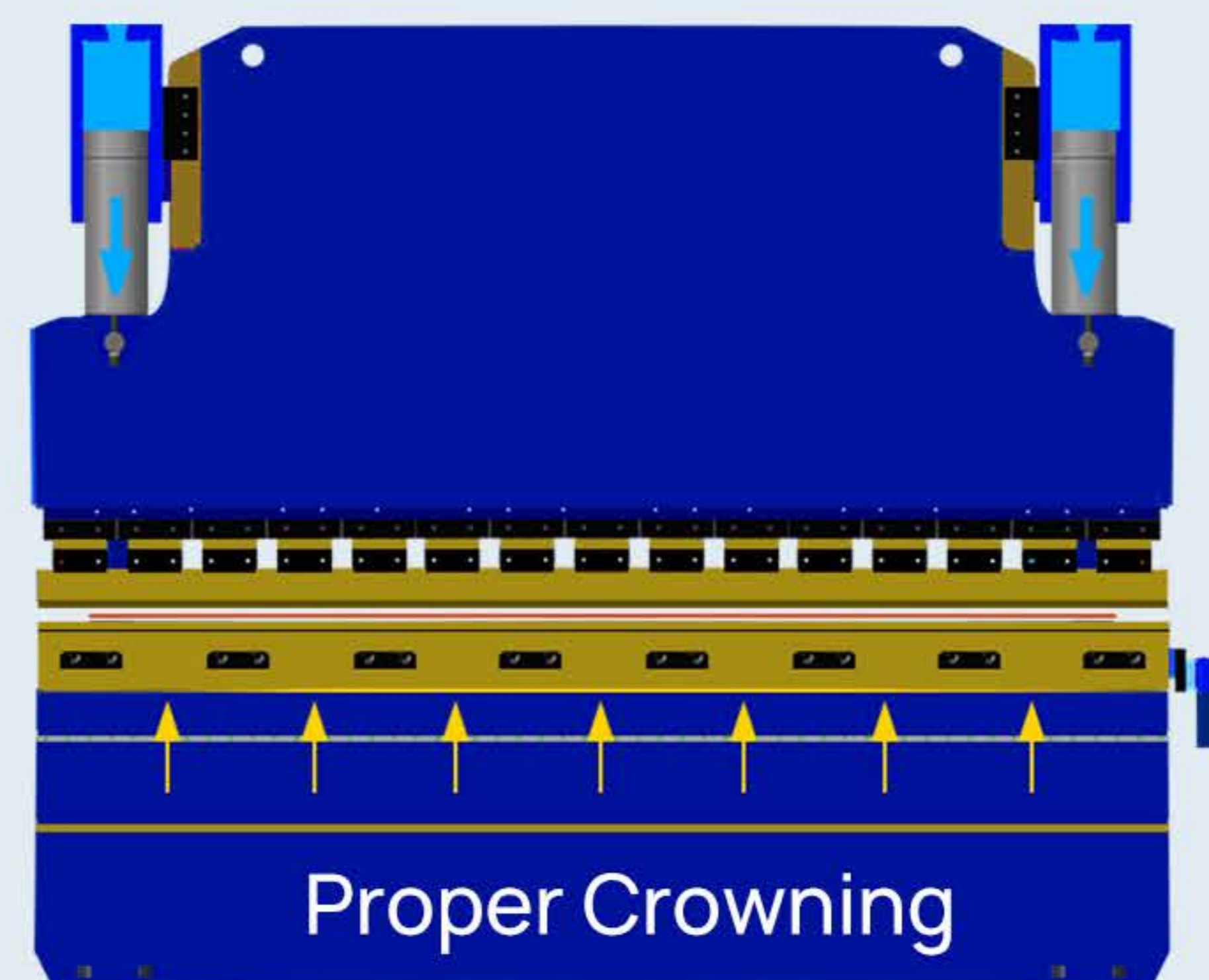
CNC system according to the load force of the workpiece bending size (the force causes the slider and the work table vertical plate deflection deformation), compensation calculation required, automatic control and relative displacement of convex wedge block, so as to effectively compensate the deflection slider and table upright plate deformation, bending workpiece can get the ideal.



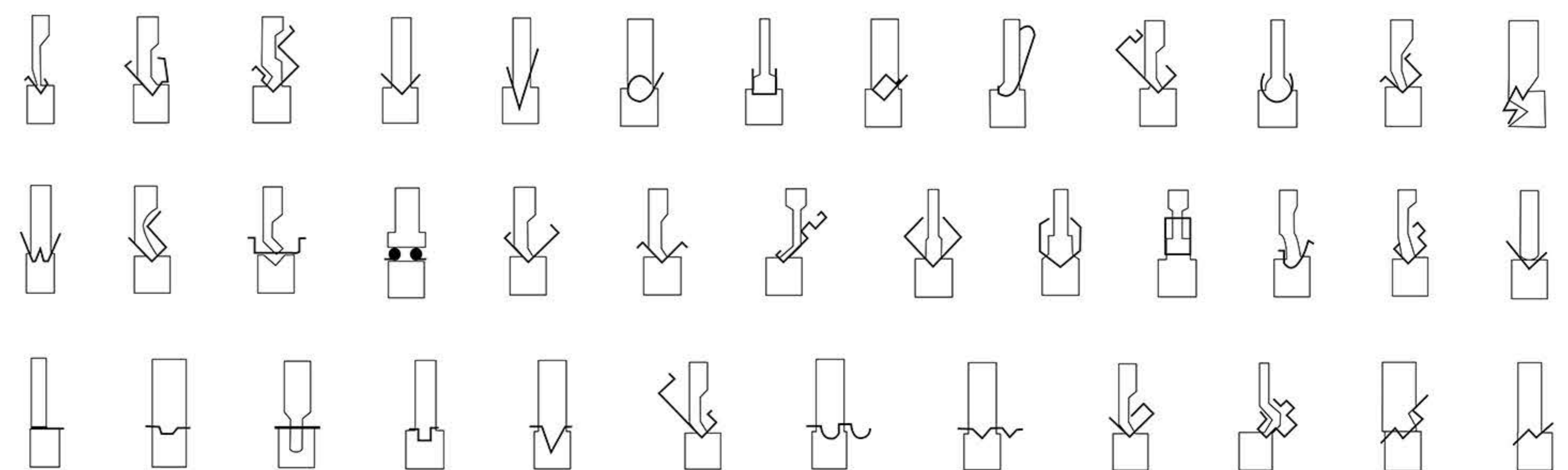
DIE DRAWING FOR PRESS BRAKE



MOTORIZED CROWNING



PROCESSING WORKPIECE DRAWING



Specifications

WAD/WADE CNC Press Brake

Model	Bending Force	Bending Length	Oil Tank	Approaching Speed	Ram Speed	Return Speed	X-axis stroke	X-axis Speed	R-axis stroke	R-axis Speed	Column Distance	Throat Depth	Stroke	Daylight	Step/Servo Motor	Weight	Dimensions
Unit	KN	mm	L	mm/S	mm/S	mm/S	mm	mm/s	mm	mm/s	mm	mm	mm	mm	KW	Ton	L×W×H mm
50T/1300	500	1300	170	160	13	160	500	350	200	200	1120	250	150	460	5.5/6	4	1800*1500*2300
50T/2000	500	2000	170	160	13	160	500	350	200	200	1600	250	150	460	5.5/6	4.3	2600*1500*2300
70T/1600	700	1600	170	220	13	160	500	350	200	200	1300	300	150	460	5.5/6	5.1	1800*1600*2500
70T/2500	700	2500	170	220	13	160	500	350	200	200	2050	300	150	460	5.5/6	5.6	3100*1600*2500
70T/3200	700	3200	170	220	13	160	500	350	200	200	2700	300	150	460	5.5/6	6.6	3700*1600*2500
80T/2500	800	2500	170	220	12	145	500	350	200	200	2050	300	150	460	7.5/8.7	6	3100*1600*2600
110T/2500	1100	2500	170	220	12	160	500	350	200	200	2050	400	200	480	11/10.8	7	3100*1800*2600
110T/3200	1100	3200	170	220	12	160	500	350	200	200	2700	400	200	480	11/10.8	7.6	3800*1800*2600
110T/4000	1100	4000	170	220	12	160	500	350	200	200	3100	400	200	480	11/10.8	8.8	4600*1800*2600
110T/4100	1100	4100	170	220	12	160	500	350	200	200	3600	400	200	480	11/10.8	9	4700*1800*2700
135T/3200	1350	3200	170	220	10	130	500	350	200	200	2700	400	200	480	11/10.8	9	3800*1800*2700
135T/4000	1350	4000	170	220	10	130	500	350	200	200	3100	400	200	480	11/10.8	9.4	4600*1800*2700
135T/4100	1350	4100	170	220	10	130	500	350	200	200	3600	400	200	480	11/10.8	9.6	4700*1800*2700
170T/2500	1700	2500	300	160	10	100	500	350	200	200	2050	450	200	480	15/13.2	10.4	3100*2000*2800
170T/3200	1700	3200	300	160	10	100	500	350	200	200	2700	450	200	480	15/13.2	11.3	3800*2000*2800
170T/4000	1700	4000	300	160	10	100	500	350	200	200	3100	450	200	480	15/13.2	12.3	4600*2000*2800
170T/4100	1700	4100	300	160	10	100	500	350	200	200	3600	450	200	480	15/13.2	12.5	4700*2000*2800
220T/2500	2200	2500	300	160	9	105	500	350	200	200	2050	450	200	480	18.5/16.7	12	3100*2200*2850
220T/3200	2200	3200	300	160	9	105	500	350	200	200	2600	450	200	480	18.5/16.7	12.8	3800*2200*2850
220T/4000	2200	4000	300	160	9	105	500	350	200	200	3100	450	200	480	18.5/16.7	14	4600*2200*2850
220T/5000	2200	5000	300	160	9	105	500	350	200	200	4000	450	200	480	18.5/16.7	19	4600*2200*2850
250T/2500	2500	2500	460	100	8.5	100	500	350	200	200	2000	450	250	540	22/16.7	15.5	3100*2000*2900

Model	Bending Force	Bending Length	Oil Tank	Approaching Speed	Ram Speed	Return Speed	X-axis stroke	X-axis Speed	R-axis stroke	R-axis Speed	Column Distance	Throat Depth	Stroke	Daylight	Step/Servo Motor	Weight	Dimensions
250T/3200	2500	3200	460	100	8.5	100	500	350	200	200	2600	450	250	540	22/16.7	16.1	3500*2000*2900
250T/4000	2500	4000	460	100	8.5	100	500	350	200	200	3100	450	250	540	22/16.7	17.8	4300*2100*3100
250T/5000	2500	5000	460	100	8.5	100	500	350	200	200	3800	450	250	540	22/16.7	23.3	5300*2150*3150
250T/6000	2500	6000	460	100	8.5	100	500	350	200	200	4800	450	250	540	22/16.7	25	6300*2150*3150
300T/3200	3000	3200	650	80	8.5	110	500	350	200	200	2600	500	250	570	22	18.8	3500*2250*3200
300T/4000	3000	4000	650	80	8.5	110	500	350	200	200	3100	500	250	570	22	20.3	4300*2500*3400
300T/5000	3000	5000	650	80	8.5	110	500	350	200	200	3800	500	250	570	22	27	5300*2500*3400
300T/6000	3000	6000	650	80	8.5	110	500	350	200	200	4800	500	250	570	22	30.4	6300*2500*3400
400T/3200	4000	3200	760	80	8	80	980	220	200	40	2400	500	300	610	30	22.8	3500*2700*3500
400T/4000	4000	4000	760	80	8	80	980	200	200	40	3100	500	300	610	30	28.3	4300*2700*3500
400T/5000	4000	5000	760	80	8	80	980	200	200	40	3800	500	300	610	30	31.2	5300*2700*3500
400T/6000	4000	6000	760	80	8	80	980	200	200	40	4800	500	300	610	30	37.4	6300*2700*3500
400T/8000	4000	6000	760	80	8	80	980	200	200	40	6400	500	300	610	30	52.8	6300*2700*3500
500T/4000	5000	4000	760	80	8.5	90	980	220	200	40	3100	500	300	610	37	35	4300*2700*3500
500T/5000	5000	5000	760	80	8.5	90	980	200	200	40	3800	500	300	610	37	39.8	5300*2700*3500
500T/6000	5000	6000	760	80	8.5	90	980	200	200	40	4800	500	300	610	37	45.8	6300*2700*3600
600T/3200	6000	3200	1050	80	8.5	85	980	200	200	40	2300	600	320	650	45	45	4300*3300*3900
600T/4000	6000	4000	1050	80	8.5	85	980	200	200	40	3100	600	320	650	45	45.8	4300*3300*3900
600T/5000	6000	5000	1050	80	8.5	85	980	220	200	40	3800	600	320	650	45	50.3	5300*3300*3900
600T/6000	6000	6000	1050	80	8.5	85	980	200	200	40	4800	600	320	650	45	56.8	6300*3300*3900
600T/7000	6000	7000	1050	80	8.5	85	980	200	200	40	5600	600	320	650	45	66.8	7300*3300*3900
700T/6000	7000	6000	1050	80	8.5	85	980	200	200	40	4900	600	320	700	55	66.8	6300*3500*4000
800T/6000	8000	6000	1800	80	8	90	980	220	200	40	4600	600	320	800	30*2	76.8	6300*3500*4000
800T/7000	8000	7000	1800	80	8	90	980	200	200	40	5600	600	320	800	30*2		7300*3500*4200
800T/8000	8000	8000	1800	80	8	90	980	200	200	40	6600	600	320	800	30*2		8300*3600*4500
800T/10000	8000	10000	1800	80	8	90	980	200	200	40	7800	600	320	800	30*2		10300*3600*4900



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