

WADH 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

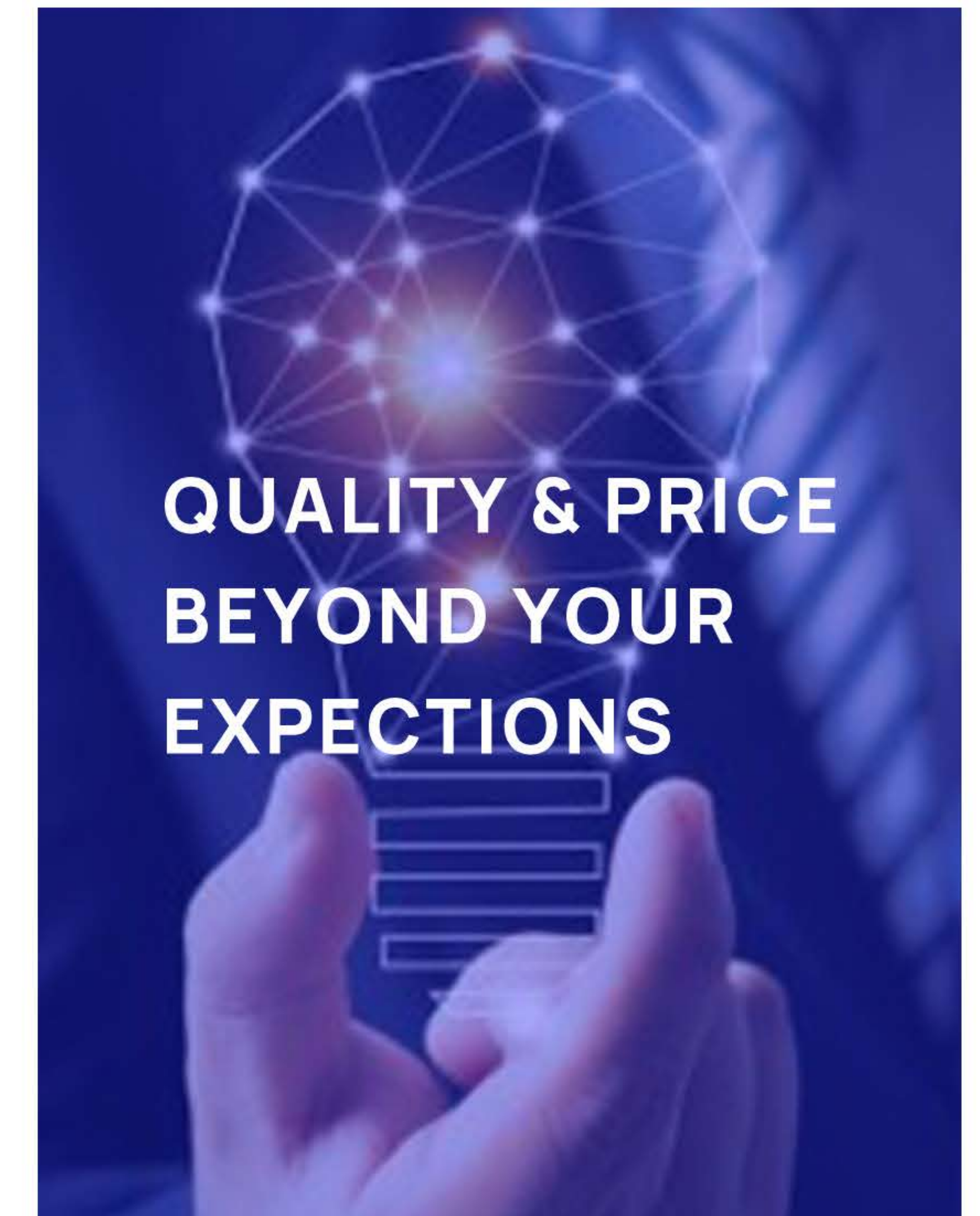
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RELIABLE



**STRONG AT
AFTER-SALE SERVICES**



**QUALITY & PRICE
BEYOND YOUR
EXPECTATIONS**



HYBRID

WADH SERIES

CNC TYPE

- The main motor uses a dual servo motor to drive the two-way pump. Realize parallel control of parallel bars.
- Power saving 60%
- Reduce oil consumption by 80%
- Significantly reduce user usage costs.
- The overall tempering of the fuselage removes stress and has strong stability.
- Fast down and return speed, efficient.

STANDARD

- CT12, ESA S640, DA66T controller
- 4+1 axis control (Y1、 Y2、 X、 R+V)
- Grating ruler (Spanish FAGOR)
- BOSCH-REXROTH or HAWE proportional servo
- Germany ECKERLE oil pump
- Oil pump servo motor
- Servo motor
- Ball screw & linear guide -Taiwan PMI
- Backgauge positioning system
- Double servo motor & servo inverter
- Motorized crowning
- Movable front support arm with linear guide
- X,Y, R axis servo motor control
- Fast clamp
- Movable Support Arm with Linear Guide
- Amada or Euro type toolings
- Italy's Flexbimec oil pump servo motor
- Heyan Oil Cylinder (Shanghai)

OPTIONAL

- Wila Hydraulic Clamp (Top & Bottom) - Netherlands
- Sheet Followers
- Front light curtain
- Rear light curtain
- Front laser protection
- Air cooling system
- Motorized Z axis
- R1, R2 axis
- Z1, Z2 axis
- X1, X2 axis

EQUIPMENT FEATURES



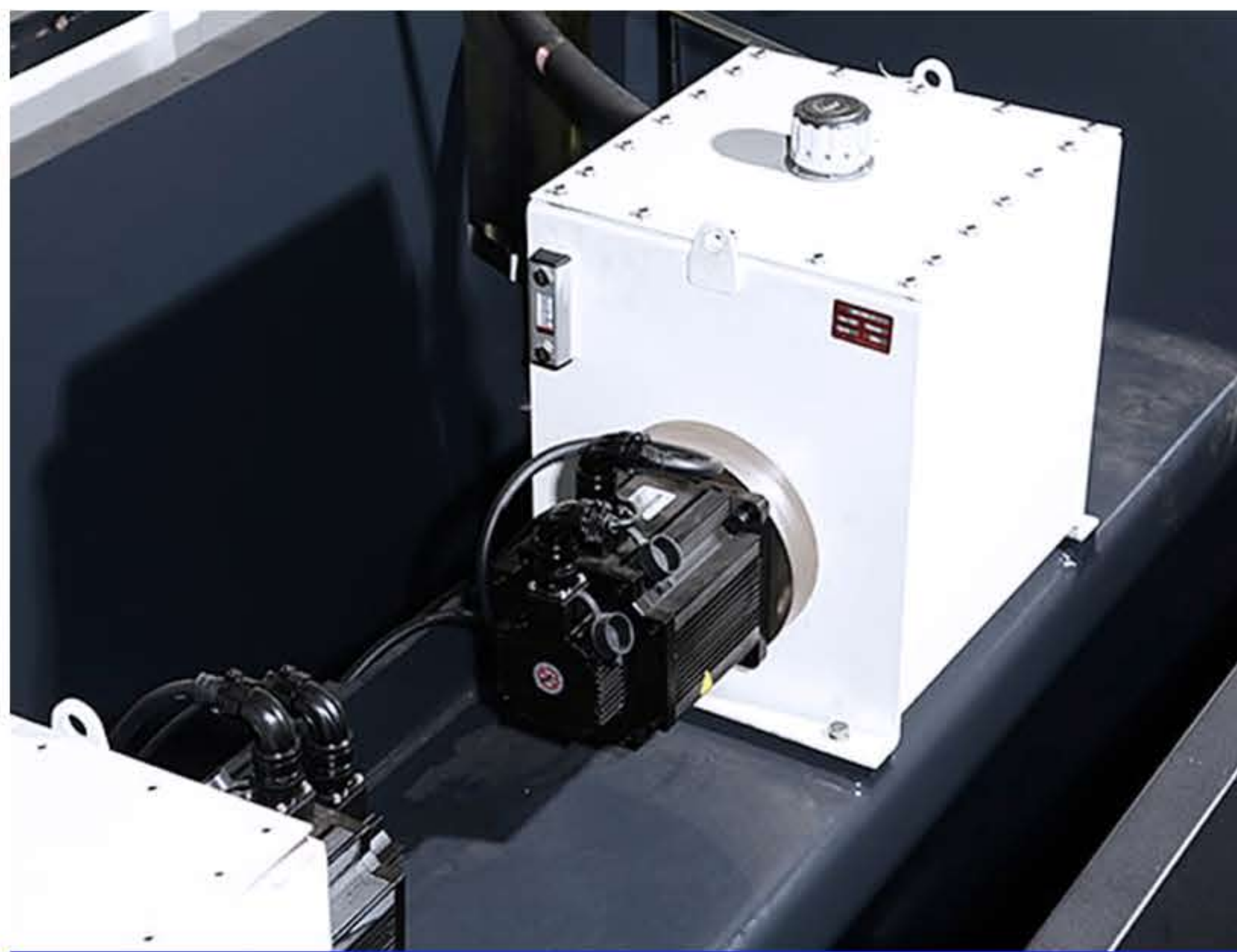
MECHANICAL STRUCTURE

- The whole frame of the press brake adopt integrated welding, and by tempering to eliminate the internal stress.



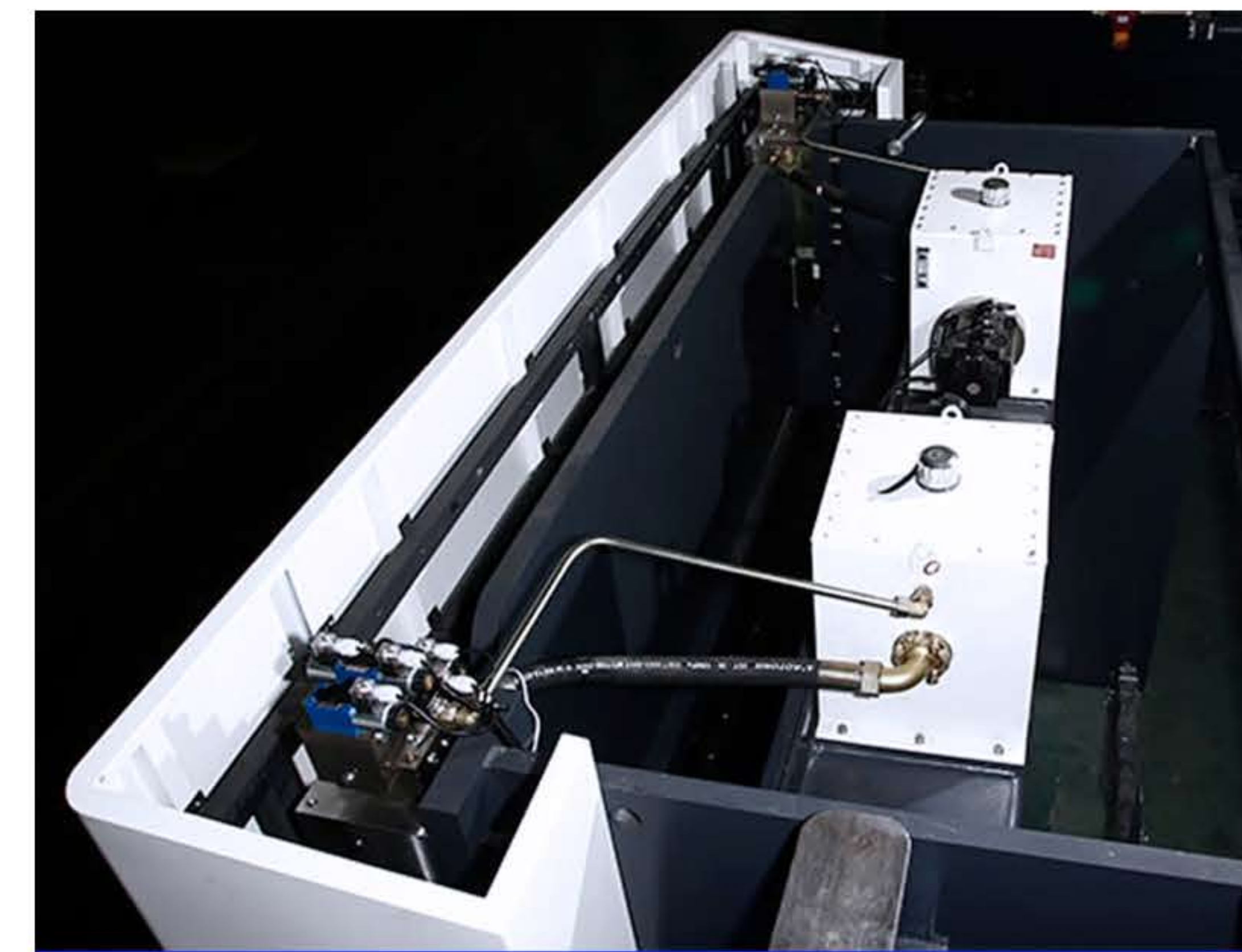
HIGH ACCURACY

- The WADH series ADH press brake features high precision and high speed. With advanced closed loop and servo hydraulic technology, the slider repeatability and parallel accuracy can reach $\pm 0.01\text{mm}$.



HYDRAULIC OIL TANK

- The fuel tank volume is small, the hydraulic oil cost is greatly reduced; the oil rises at a low temperature, the risk of oil leakage is reduced, the stability is higher, and the service life of the hydraulic system and the oil cylinder is improved.



HYDRAULIC SYSTEM

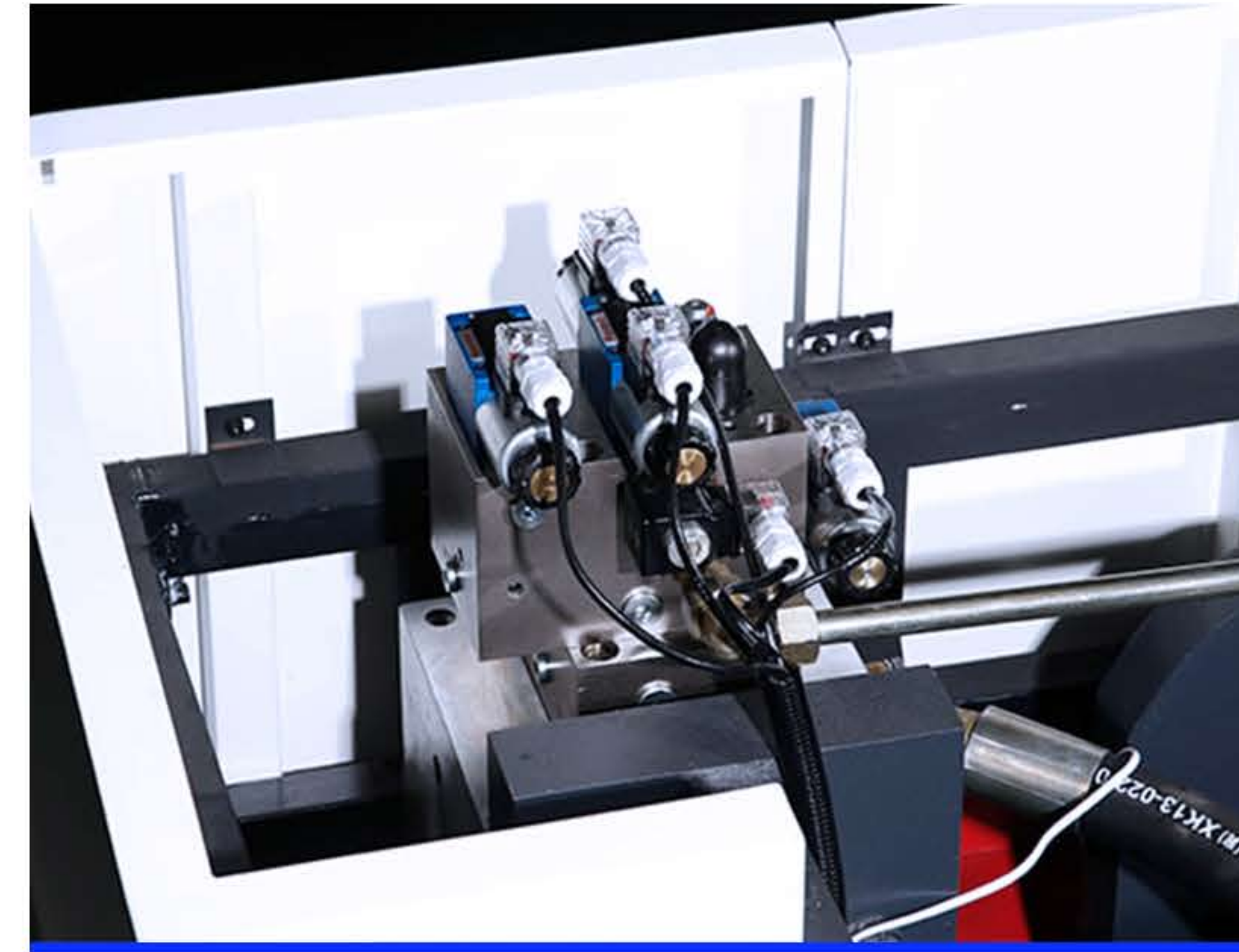
- The servo motor drives the oil pump to rotate forward and backward. The flow and pressure are automatically controlled by the oil pump and the servo motor.
- There is no overflow control. Zero power is consumed during the process waiting time. The motor power consumption is determined by the load.

EQUIPMENT FEATURES



FAST CLAMP & FRONT SUPPORT

- The WADH series press brake is equipped with fast clamp and movable front support arm with linear guide as standard.
- Standard top punch and dual-V die are equipped on the press brake. Besides, we have more press brake toolings for your selection.



HYDRAULIC SERVO PUMP

- The German HOERBIGER hydraulic servo pump is a new hybrid electric drive system with a 70% reduction in fuel tank capacity, a 10% reduction in duty cycle, a 50% increase in energy efficiency and a positioning accuracy of up to 5μm.



SEGMENT DIES

- We can provide you segment dies based on your practical use without extra charges.



MECHANICAL CROWNING

- The motorized crowning system will adjust the parallelism and straightness automatically.

QUALITY
IS
WHAT
WE
PURSUE



WADH PRESS BREAK



ESA S640

- 15" touch screen panel (resolution WSVGA 1366x768)
- FPGA integrated logics, surface mounting, fiber optic
- Cpu Via Nano X2 E 1,2 Ghz with 2Gb of RAM
- Silicon hard disk (flash disk) for more than 30.000 part programs
- 2 serial ports rs-2322
- USB port for memory stick
- 1 ethernet port & 2 can open 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



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.



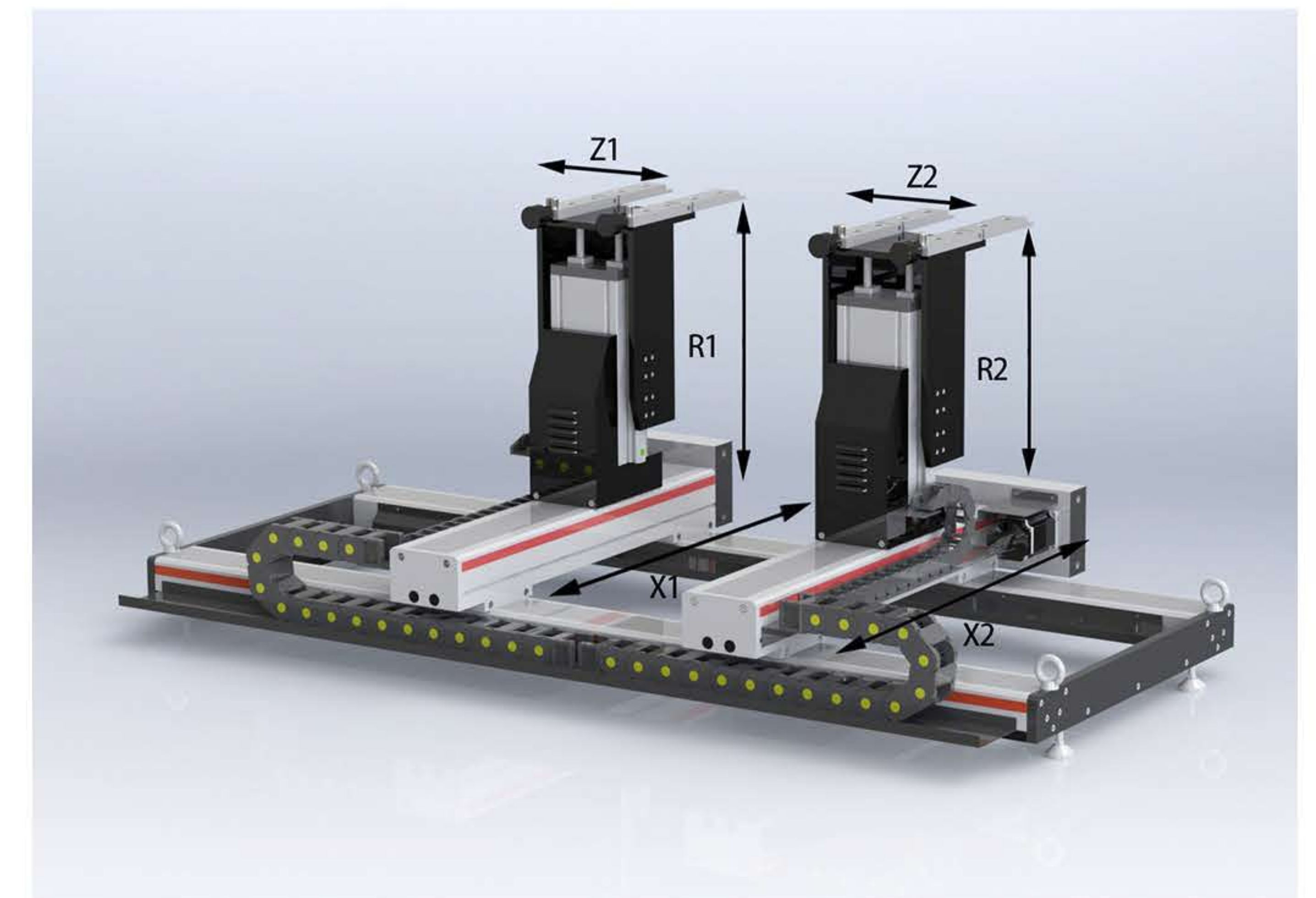
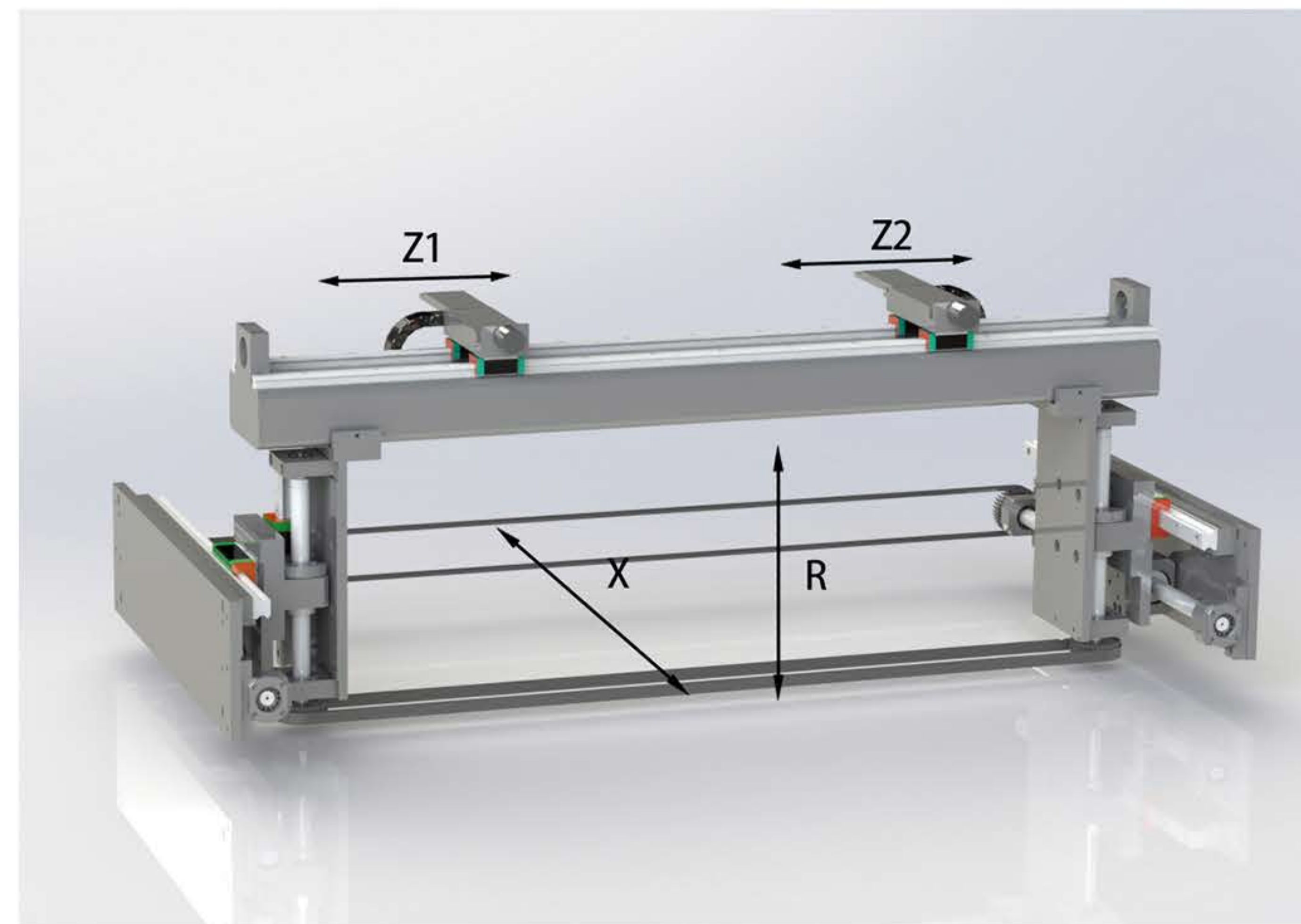
BACK GAUGE

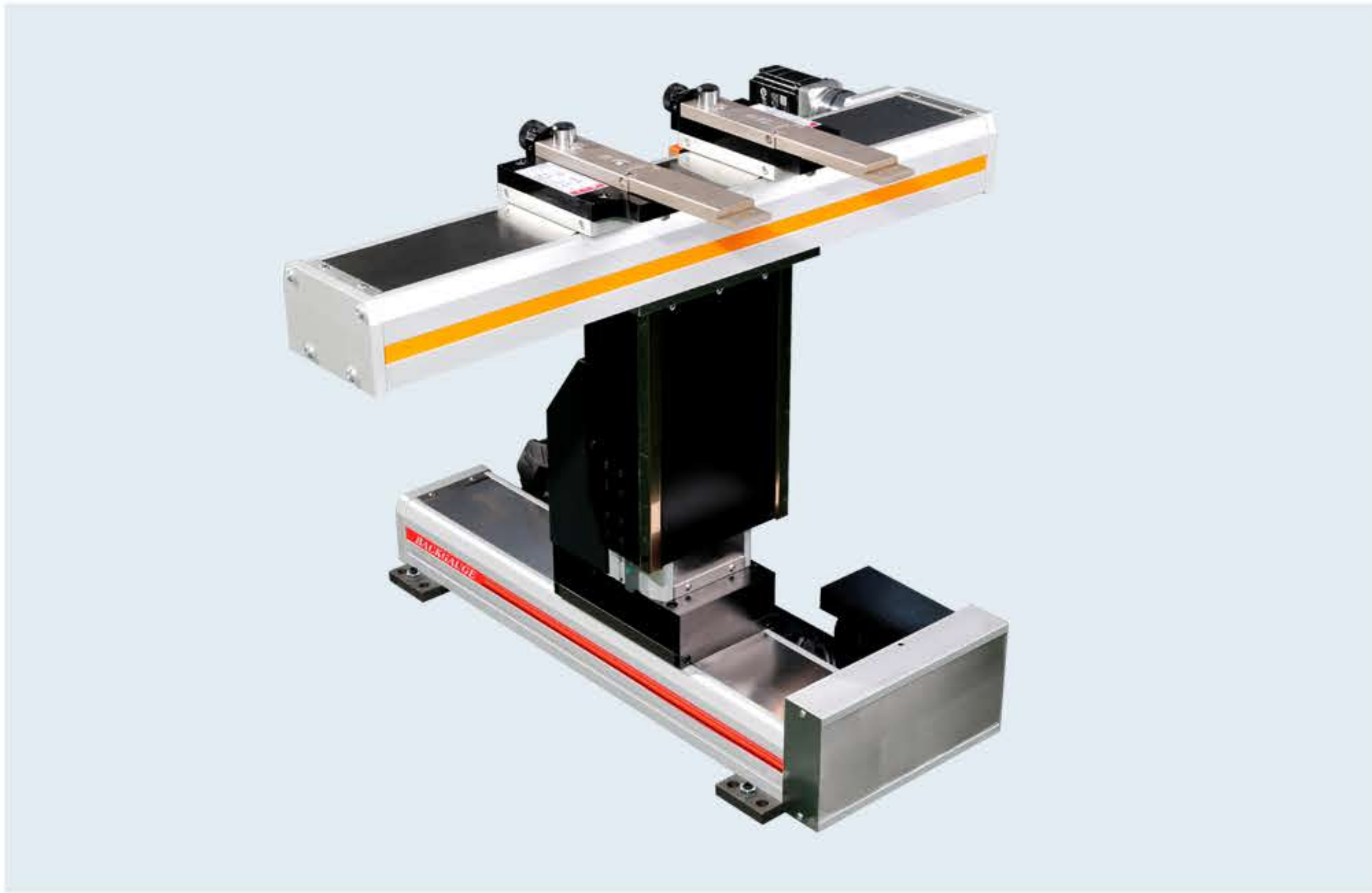
X-forward & backward

R-up & down

Z-left & right

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

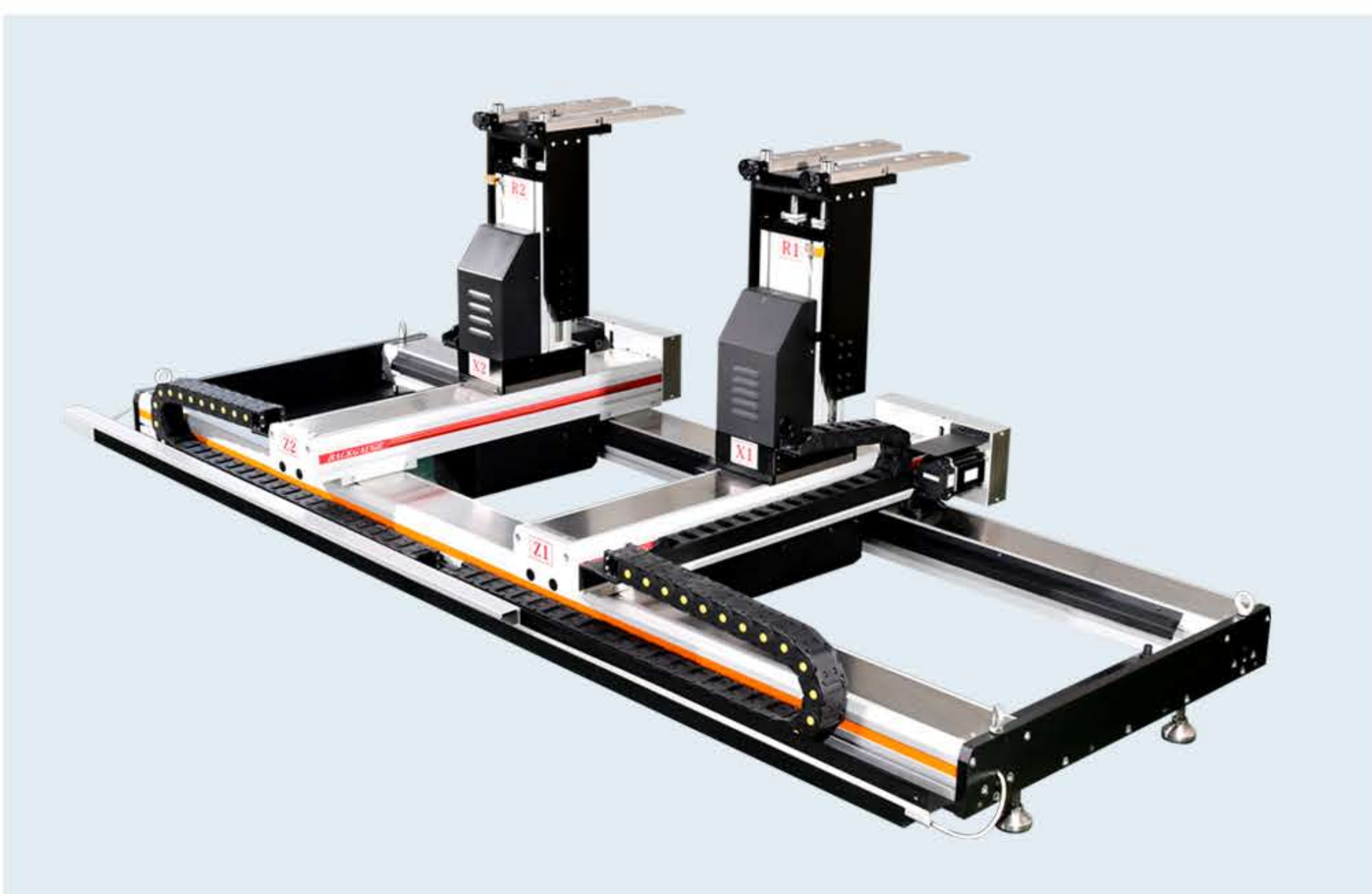




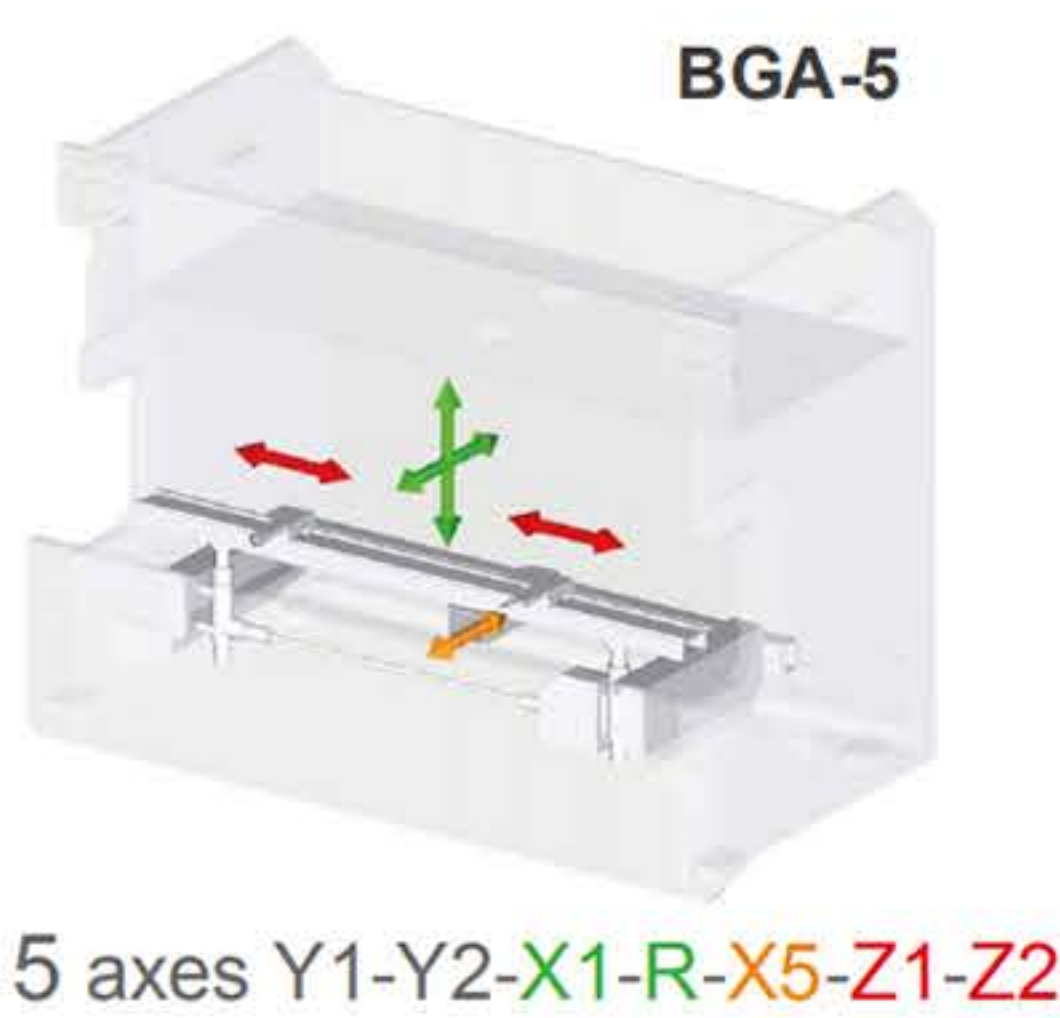
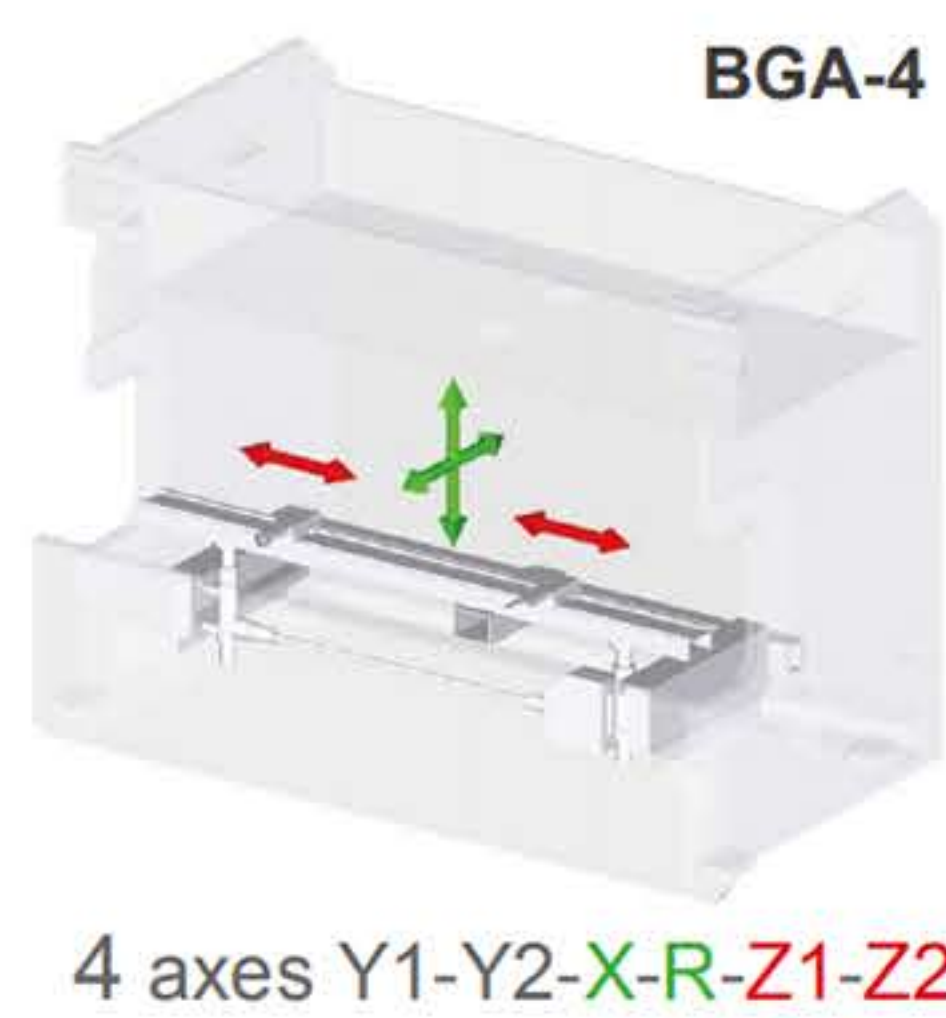
SMALL BACKGAUGE
 $X+R+Z1+Z2$



4 AXIS BACKGAUGE
 $X+R+Z1+Z2$

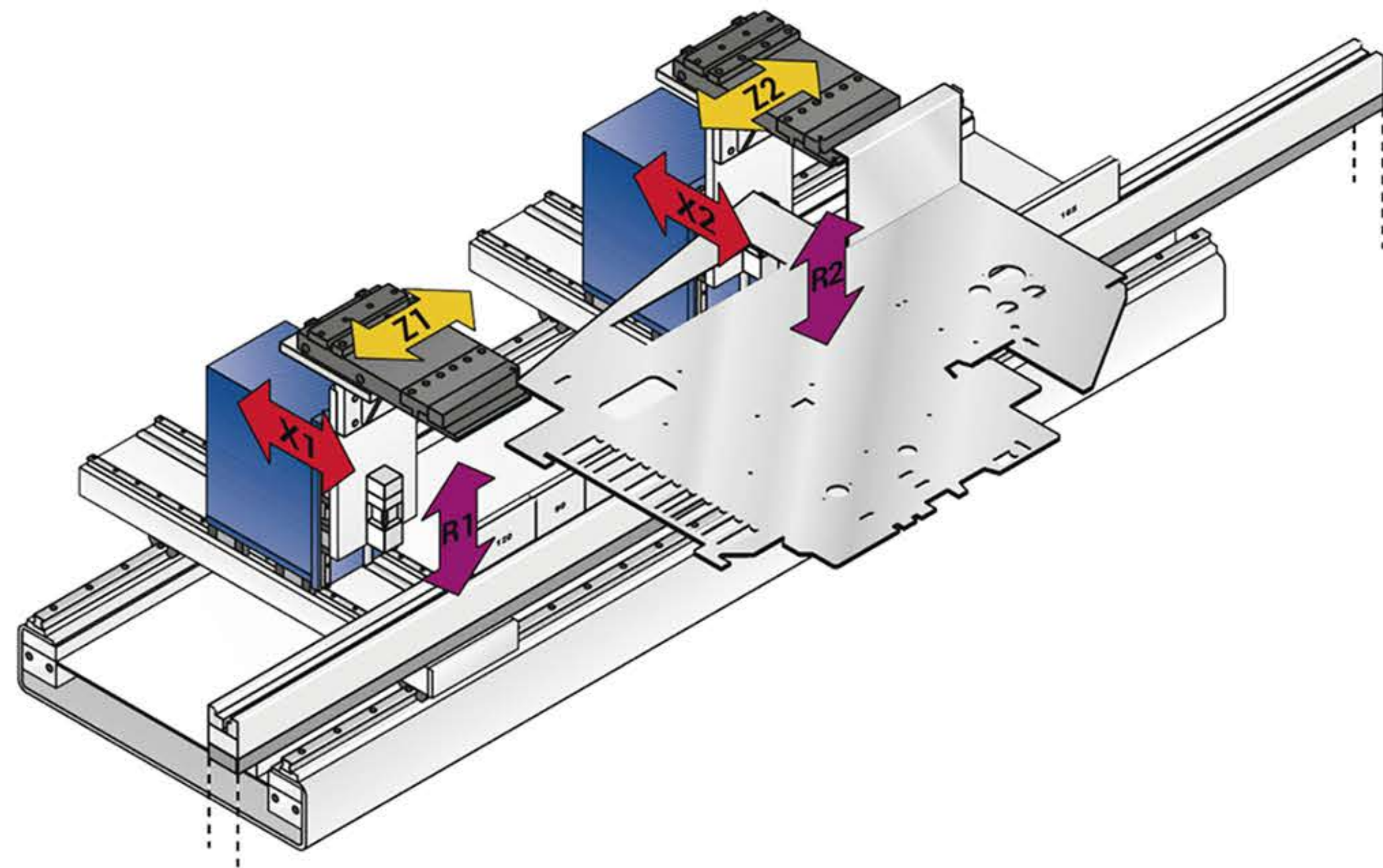


6 AXIS BACKGAUGE
 $X1+X2+R1+R2+Z1+Z2$



/BGA

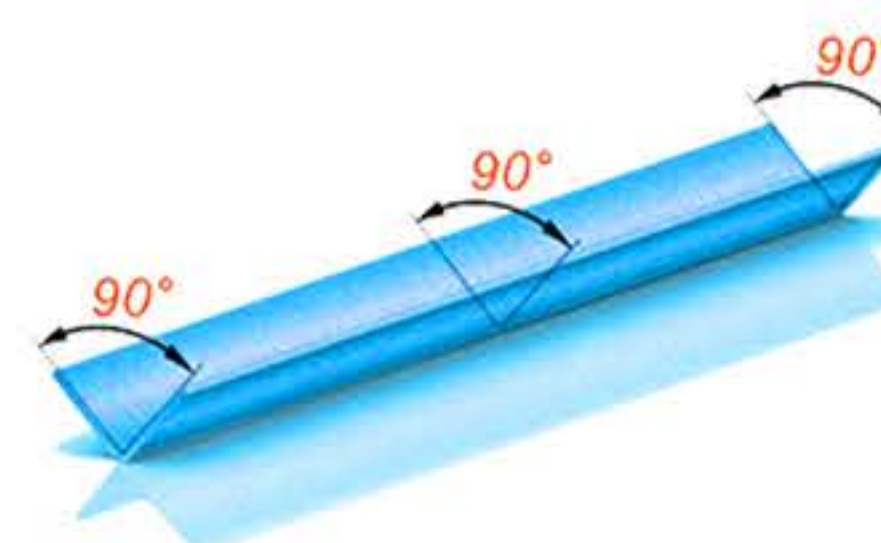
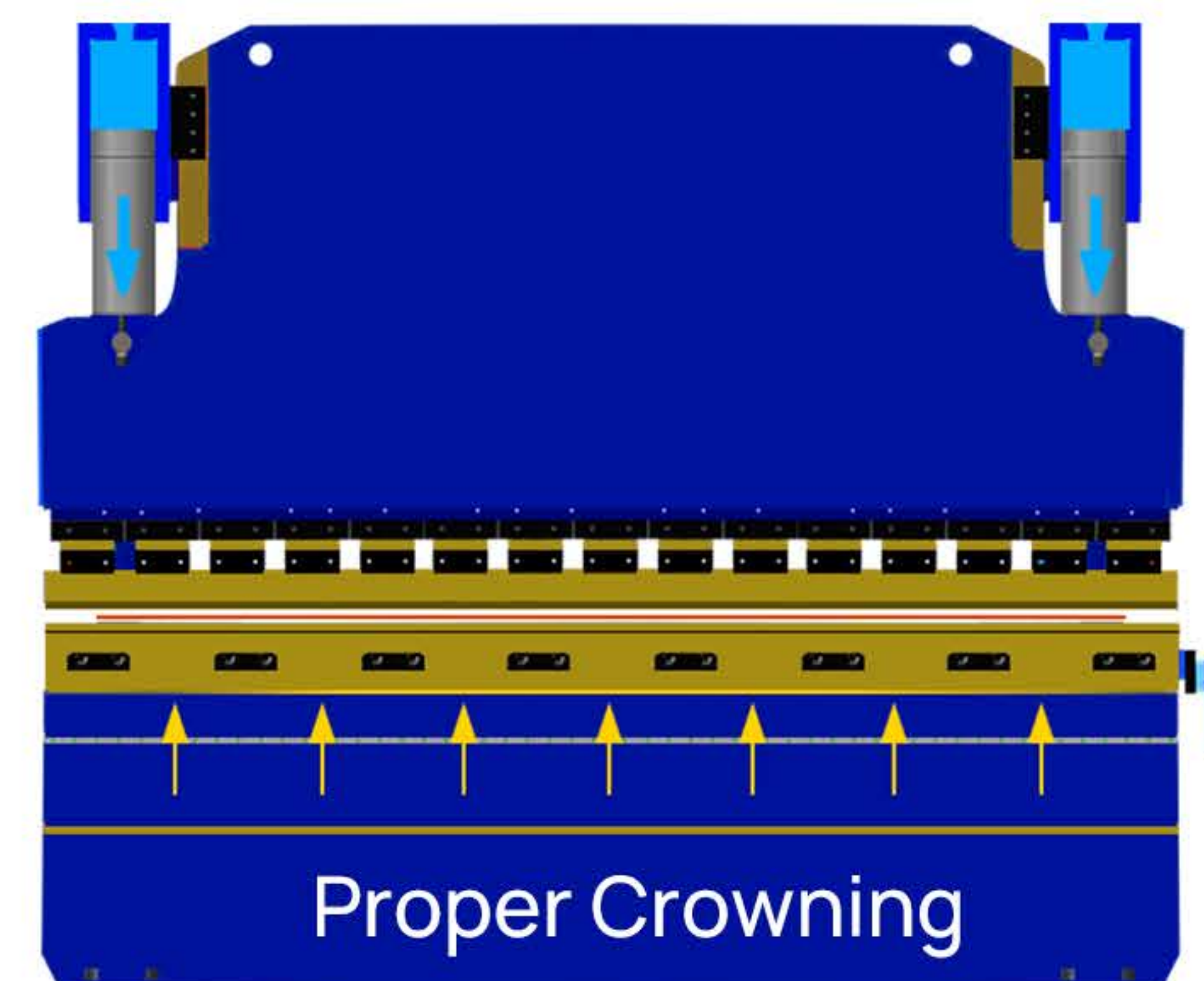
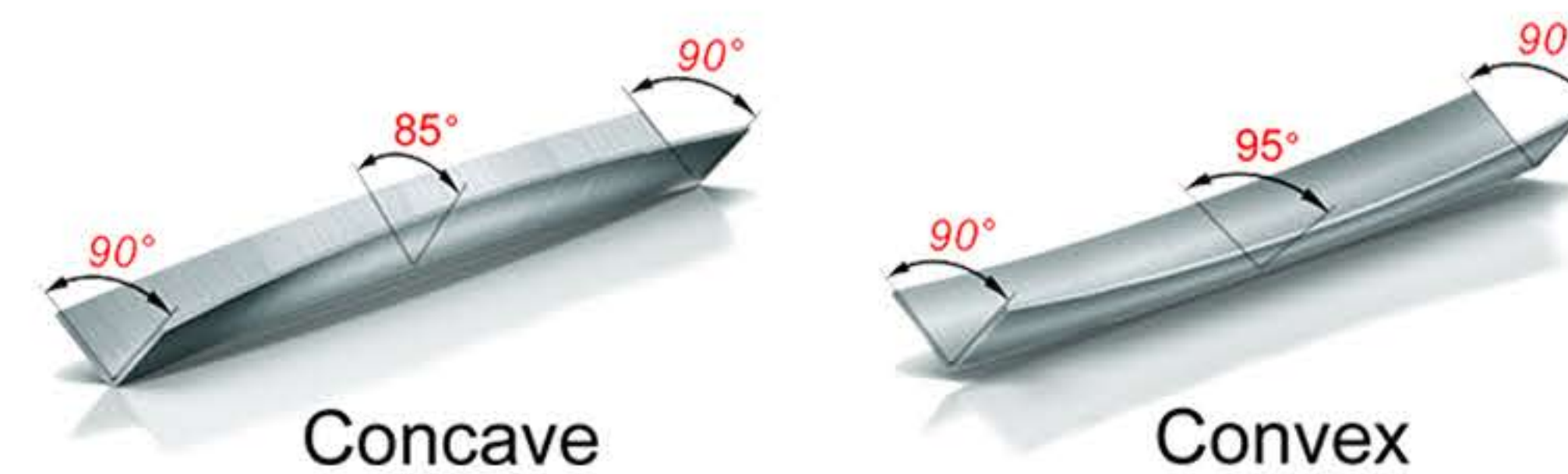
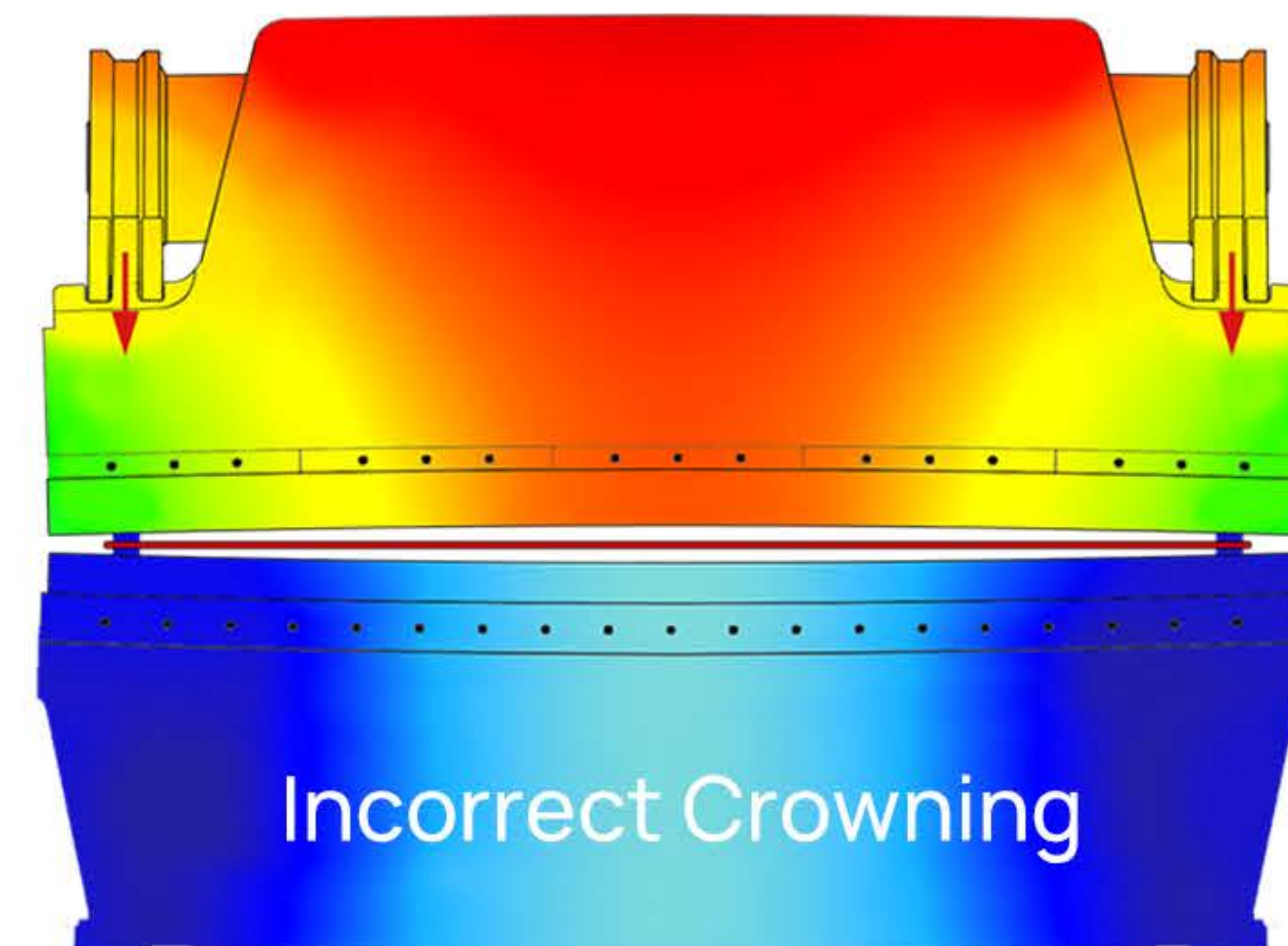
		Axes	X	R	Z1	Z2	X5
BGA 2	2 axes X+R (Standard)	Stroke (mm)	750 (1000)	150	Under request*	Under request*	190
BGA 4	4 axes X+R+Z1+Z2 (Optional)	Speed (mm/s)	500	170	2000	2000	300
BGA 5	5 axes X+R+Z1+Z2+X2 (Optional)	Precision (mm)	0.01	0.05	0.05	0.05	0.01
		Type of motor	Servo Drive	Servo Drive	Servo Drive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



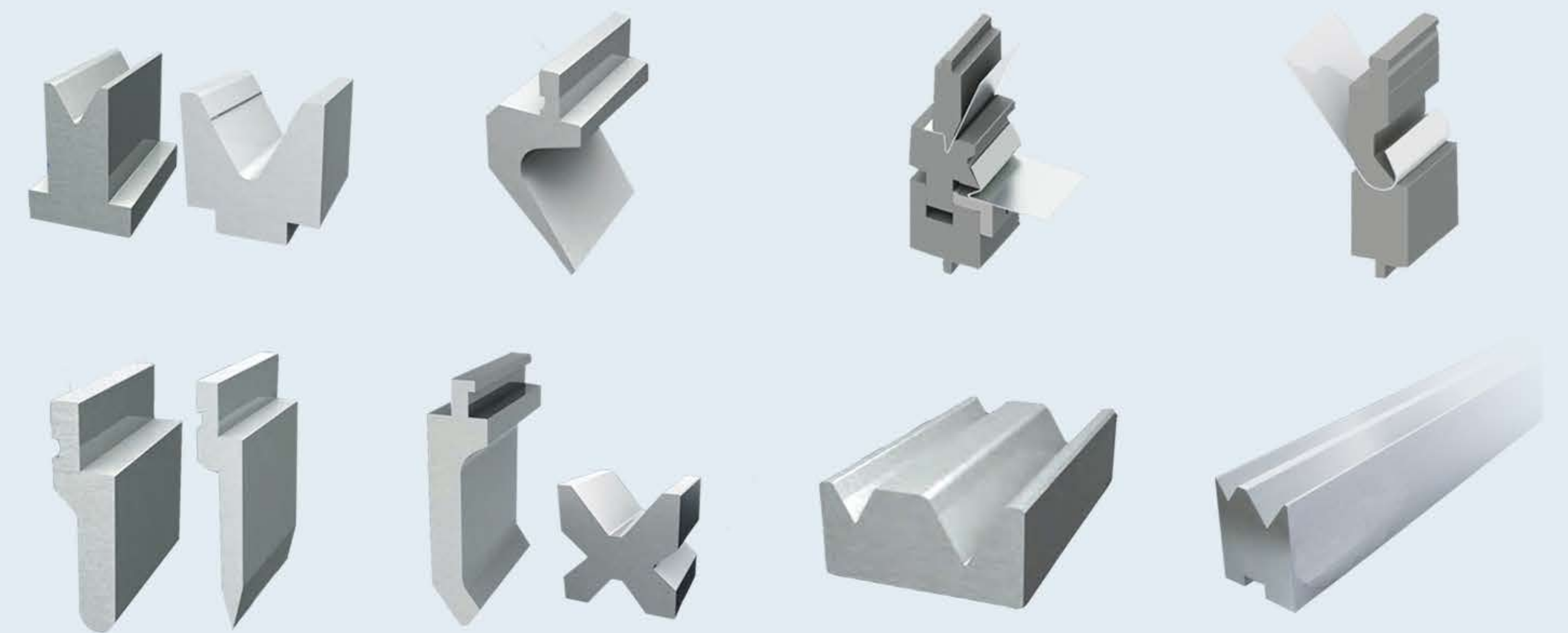
Axes	X1	X2	R1	R2	Z1	Z2
Stroke (mm)	750	750	200	200	Under request**	Under request**
Speed (mm/s)	500	500	500	500	2200	2200
Precision (mm)	0.01	0.01	0.01	0.01	0.05	0.05
Type of motor	Servo Drive	Servo Drive	Servo Drive	Servo Drive	Servo Drive	Servo Drive
Mechanical system	Ball screw	Ball screw	Ball screw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

CROWNING

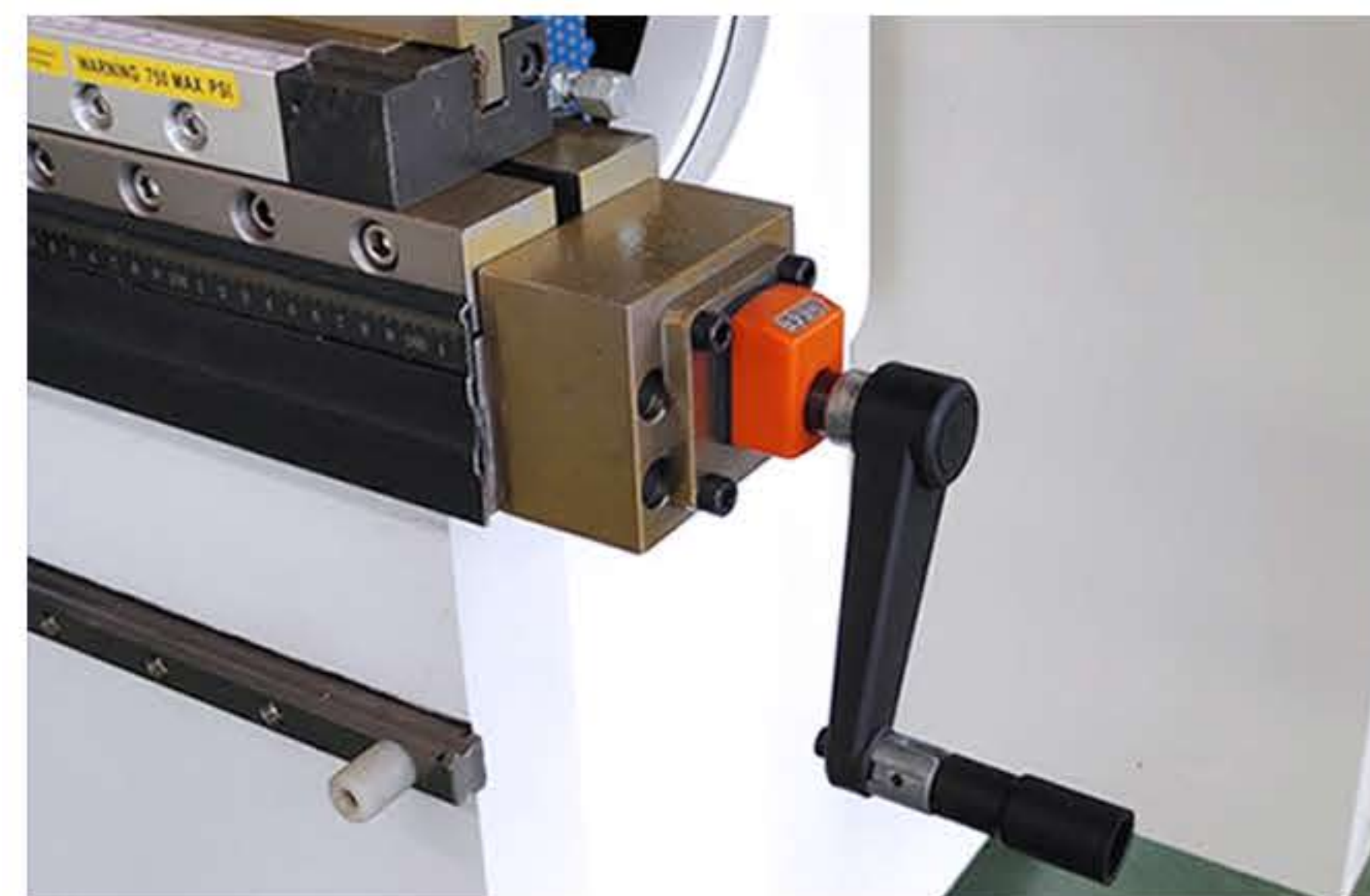
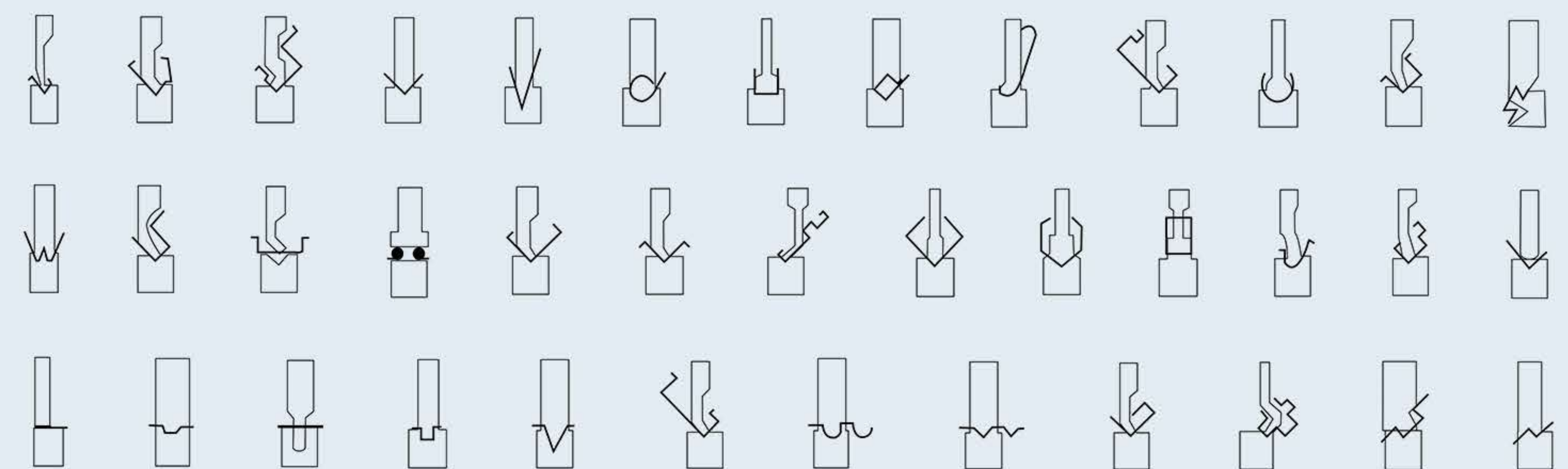
CNC system according to the load force of the workpiece bending size (the force causes the slider and the work table vertical plate deflection deformation), compensation calculation required, automatic control and relative displacement of convex wedge block, so as to effectively compensate the deflection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



DIE DRAWING FOR PRESS BRAKE



PROCESSING WORKPIECE DRAWING

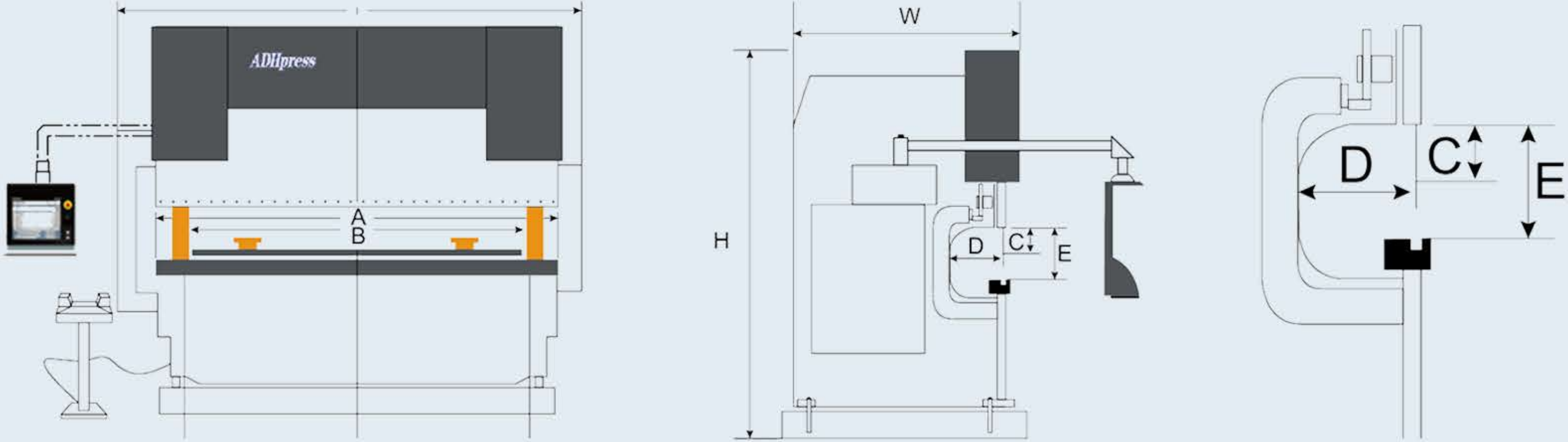


MANUAL CROWNING



MOTORIZED CROWNING

SPECIFICATIONS



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	Main 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	LxWxH mm
70T/2500	700	2500	38X2	250	18	250	500	350	200	200	2050	300	150	460	2*3.8	5.5	3100*1600*2450
110T/3200	1100	3200	38X2	230	18	220	500	350	200	200	2700	400	200	480	2*3.8	8.0	3800*1800*2750
110T/4000	1100	4000	38X2	230	18	220	500	350	200	200	3100	400	200	480	2*3.8	9.0	4600*1800*2750
135T/3200	1350	3200	38X2	230	15	200	500	350	200	200	2700	400	200	480	2*5.7	8.8	3800*1900*2850
135T/4000	1350	4000	38X2	230	15	200	500	350	200	200	3100	400	200	480	2*5.7	10	4600*1900*2900
170T/3200	1700	3200	38X2	200	15	200	500	350	200	200	2700	450	200	480	2*5.7	12.0	3800*2000*3100
170T/4000	1700	4000	38X2	200	15	200	500	350	200	200	3100	450	200	480	2*5.7	13.0	4600*2000*3100
220T/3200	2200	3200	80X2	200	15	190	500	350	200	200	2600	450	200	480	2*10	13.0	3800*2100*3200
220T/4000	2200	4000	80X2	200	15	190	500	350	200	200	3100	450	200	480	2*10	15.0	4600*2100*3200



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