DeraTech 瑞铁机床

TAM-S

Hydraulic CNC Press Brake

PROFESSIONAL/CONSISTENT/DEDICATED/EXCELLENT

Deratech Machine Tool (Suzhou) Corp., Ltd, a giant in the field of sheet metal forming and processing in China. Located in Taicang, Jiangsu Province, adjacent to Shanghai, the company mainly produces CNC press brakes, bending centers, laser cutting machines, flexible production units and other sheet metal forming processing equipment and equipment sets, and its products are well sold in domestic and abroad. With the continuous development of the company's business, all aspects of the company's strength are stepping up to a new level.

The company has always taken it as its mission to develop more cost-effective, durable and better sheet metal forming and processing equipment, to drive product iteration with technological advancement and drive enterprise development. In recent years, the products of Deratech have become more and more recognized by the industry and favoured by customers. With the successive launch of electric servo CNC press brakes and bending centers, the company will always focus on the perfection of its products to create more value for customers.

To date, Deratech has been granted over 100 patents (including 8 invention patents). It has been awarded as "Jiangsu Province Specialized and Sophisticated SMEs", "Jiangsu Province High and New Technology Enterprise", "Jiangsu Province Provincial Enterprise Technology Centre", "Jiangsu Province High-end sheet metal CNC machine tools strategic emerging industry standardization pilot", "Jiangsu Province intelligent flexible sheet metal equipment engineering research centre" and other titles, and participated in the CNC press brake national standards, industry standards revision and other work.

Driven by the target of "Made in China 2025", Deratech will continue to move forward and work hard. Growing up with customers and staying with them for a long time is Deratech's faithful commitment to customers.

苏州瑞铁激光科技有限公司
Deratech La____ (Suzhou) Corp.,Ltd

DeraTech

瑞铁机床

DeraTech
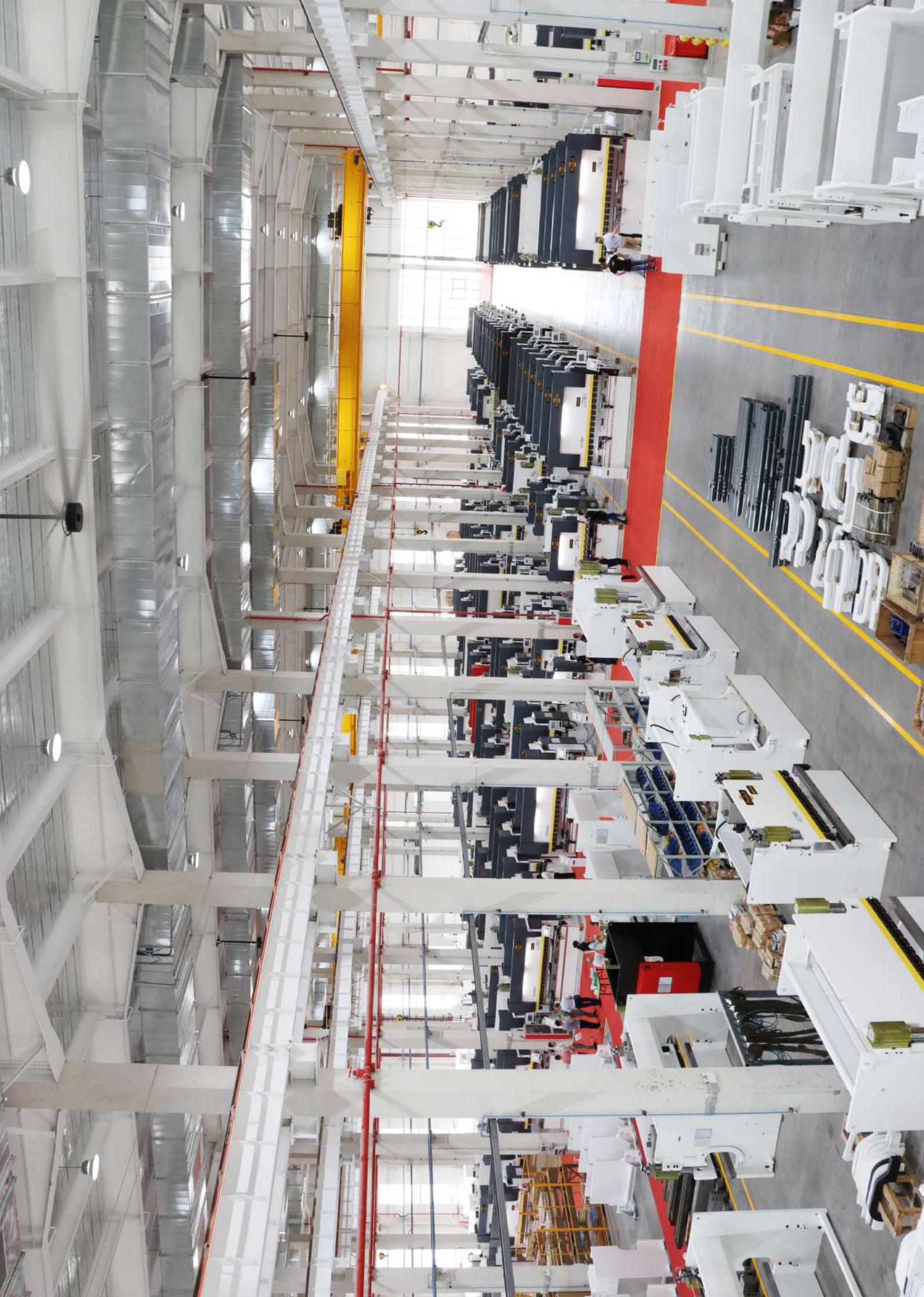
Cost-effective, low failure rate, stable and reliable, best-selling in the market all year round.

PRODUCT FEATURES

Quick Clamping Device

Easy tooling change and improved productivity.

Stable Backgauge Structure

Double linear guide structure to ensure the best positioning accuracy. Multi-stage stop design to increase the positioning range.

Compensation Device of Throat Deformation

It can accurately measure the amount of deformation and feedback, to ensure accuracy, and can effectively prevent non-standard workpiece collision interference detection unit.

Mechanical Compensation Device

Controlled by CNC system to ensure the bending accuracy is always stable.

Removable Front Pallet

The pallet can follow the linear guide to move and can be stopped at any position.
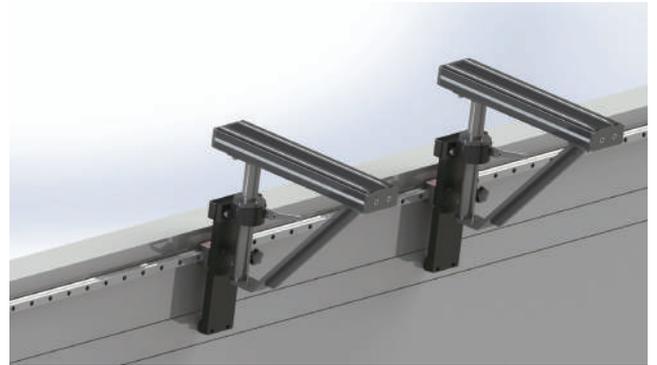
Tooling

Integral hardened for durability.
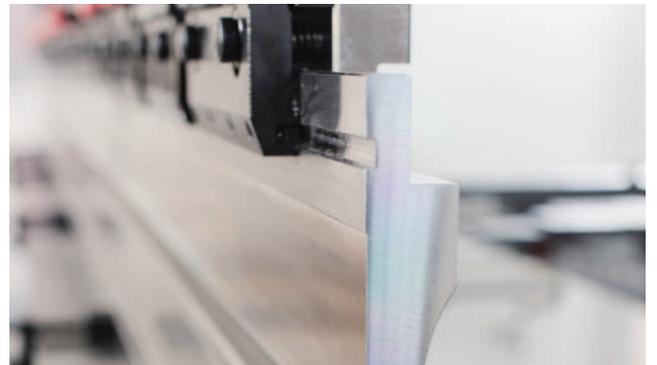
Hydraulic System

Imported from Germany, higher frequency response, lower failure rate, and smoother machine operation.
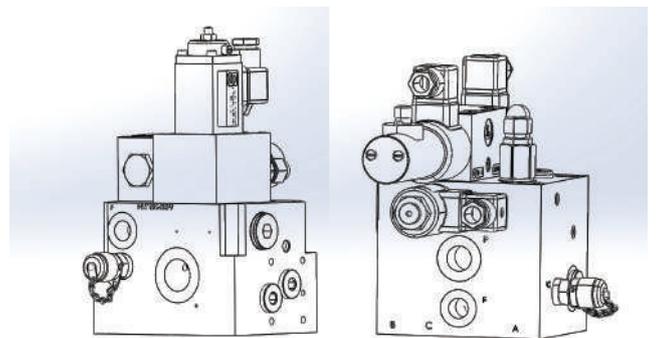
Fuel Storage Tank Made of Special Material

The ability to maintain extremely high cylinder cleanliness ensures the stable operation of the hydraulic oil path. According to the industry experience, more than 85% of the aftermarket of CNC press brakes are related to the cleanliness within the hydraulic oil channel, so the probability of failure can be reduced from the source.
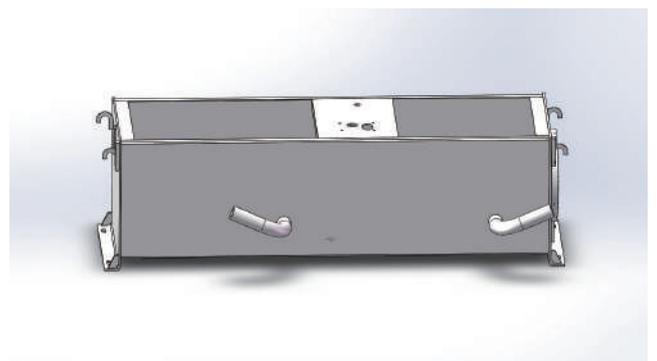
CNC SYSTEM

Switzerland Cybelec CT12

- 12" touch screen
- "EasyBend" page operation single action
- Interactive pop-up alarm box
- Automatic calculation of bending angle, main pressure and deflection compensation
- Automatic calculation of bending steps
- Multi-step bending sequence, product angle, pressure and compensation control can be stored
- Finger drawing of workp/iece cross-sections

PARAMETERS - TAM-S

Model	Force (kN)	A Max. bending length (mm)	B Distance between uprights (mm)	C Throat depth (mm)	D Cylinder stroke (mm)	E Opening height (mm)	Main power (kW)	X-axis stroke (mm)	R-axis stroke (mm)	Max Speed (mm/s) Approaching speed	Working speed	Returning	L Length	W Width	H Height	Weight (kg)
TAM-80/2500S	800	2500	2000	300	160	425	7.5	450	200	200	0-15	200	2990	1470	2410	6100
TAM-100/3200S	1000	3200	2700	400	200	475	12.4	450	200	220	0-15	180	3700	1550	2645	7800
TAM-110/2500S	1100	2500	2000	400	225	500	12.4	600	200	220	0-15	180	3010	1670	2720	7800
TAM-110/3200S	1100	3200	2700	400	225	500	12.4	600	200	220	0-15	180	3710	1670	2720	9000
TAM-110/4100S	1100	4100	3600	500	225	500	12.4	600	200	220	0-15	180	4610	1770	2720	10900
TAM-130/2500S	1300	2500	2000	400	225	500	12.4	600	200	200	0-15	160	3010	1670	2720	7800
TAM-130/3200S	1300	3200	2700	400	225	500	12.4	600	200	200	0-15	160	3710	1670	2720	9000
TAM-130/4100S	1300	4100	3600	500	225	500	12.4	600	200	200	0-15	160	4610	1770	2720	11300
TAM-130/5100S	1300	5100	4600	400	225	500	17.8	600	200	180	0-15	130	5610	1820	2960	15200
TAM-130/6100S	1300	6100	5600	400	225	500	17.8	600	200	180	0-15	130	6610	1820	3110	17700
TAM-170/2500S	1700	2500	2000	400	225	500	17.8	600	200	200	0-15	160	3030	1680	2720	8700
TAM-170/3200S	1700	3200	2700	400	225	500	17.8	600	200	200	0-15	160	3730	1680	2720	10100
TAM-170/4100S	1700	4100	3600	500	225	500	17.8	600	200	200	0-15	160	4630	1790	2720	12100
TAM-170/5100S	1700	5100	4600	400	225	500	17.8	600	200	160	0-15	110	5630	1800	2960	17000
TAM-170/6100S	1700	6100	5600	400	225	500	17.8	600	200	160	0-15	110	6630	1800	3160	20000
TAM-230/2500S	2300	2500	2000	420	225	500	21.4	600	200	140	0-13	150	3040	1700	2720	10500
TAM-230/3200S	2300	3200	2700	420	225	500	21.4	600	200	140	0-13	150	3750	1700	2720	11800
TAM-230/4100S	2300	4100	3600	420	225	500	21.4	600	200	140	0-13	150	4650	1700	2720	13700
TAM-230/5100S	2300	5100	4600	420	225	500	21.4	600	200	130	0-13	130	5640	1880	3060	18600
TAM-230/6100S	2300	6100	5600	420	225	500	21.4	600	200	130	0-13	130	6640	1880	3210	21600
TAM-250/2500S	2500	2500	2000	400	250	525	21.4	600	200	130	0-13	130	3050	1920	2975	11700
TAM-250/3200S	2500	3200	2700	400	250	525	21.4	600	200	130	0-13	130	3750	1920	2975	14000
TAM-250/4100S	2500	4100	3600	400	250	525	21.4	600	200	130	0-13	130	4650	1920	2975	16000
TAM-250/5100S	2500	5100	4600	400	250	525	21.4	600	200	120	0-13	110	5650	1920	3125	21200
TAM-250/6100S	2500	6100	5600	400	250	525	21.4	600	200	120	0-13	110	6650	1920	3325	24600
TAM-320/3200S	3200	3200	2700	400	300	575	25.2	600	200	100	0-13	110	3930	2110	3205	17700
TAM-320/4100S	3200	4100	3600	400	300	575	25.2	600	200	100	0-13	110	4830	2110	3205	20300
TAM-320/5100S	3200	5100	4600	400	300	575	25.2	600	200	90	0-13	90	5830	2150	3690	26100
TAM-320/6100S	3200	6100	5600	400	300	575	25.2	600	200	90	0-13	90	6830	2150	3855	30400

OPTIONAL CONFIGURATION

Italy Laser Protection Light Curtain

MSD light curtain protection device can effectively provide bending machine safety, to protect the operator's personal safety.

Sheet Thickness Measuring Device

Device on the backgauge finger, the device can measure the plate thickness accuracy of +/- 0.01mm, can detect the material thickness of 20mm and below. The whole inspection process takes only 0.1 seconds, and the inspection value is instantly fed back to the CNC system and helps the system adjust to the real plate thickness.

Angle Monitoring and Correction Device

Online real-time monitoring of the bending angle, to provide immediate feedback to the CNC system, so that the accuracy measurement and precision of the bending angle can reach +/- 0.1 °, to ensure the consistency of each batch of workpiece bending accuracy.
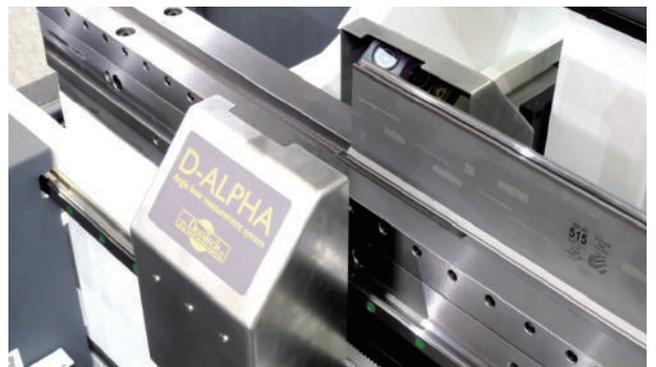
X-R-Z1-Z2 4 Axes Backgauge System

X-R-Z1-Z2-X' 5 Axes Backgauge System
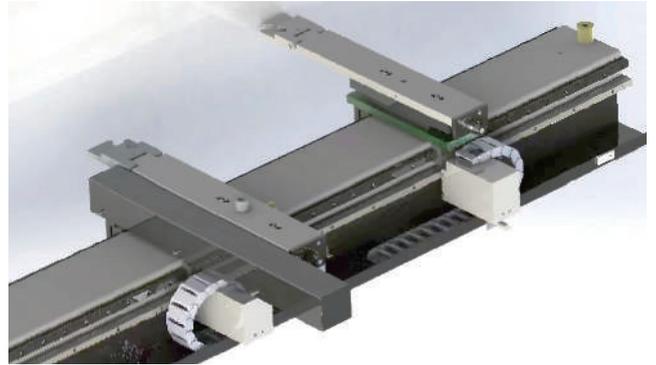
X1-X2-R1-R2-Z1-Z2 6 Axes Backgauge System
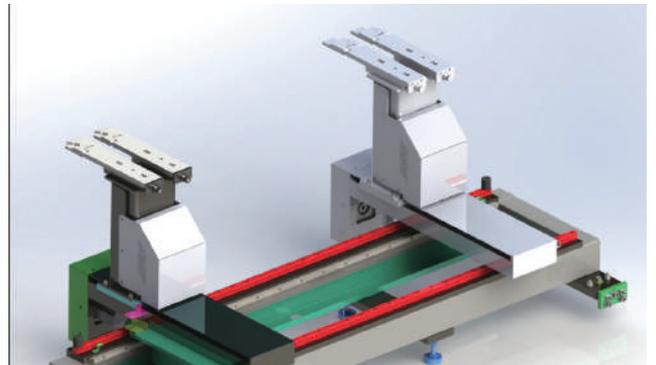
Servo Replacement of Tooling Slots
Need to add axes to use the function

Easily complete complex processes such as small-angle bending, press-flat bending, and double-thickness compound bending. Precise positioning at any position within the stroke range, reducing tooling change time and maximizing tooling change efficiency.
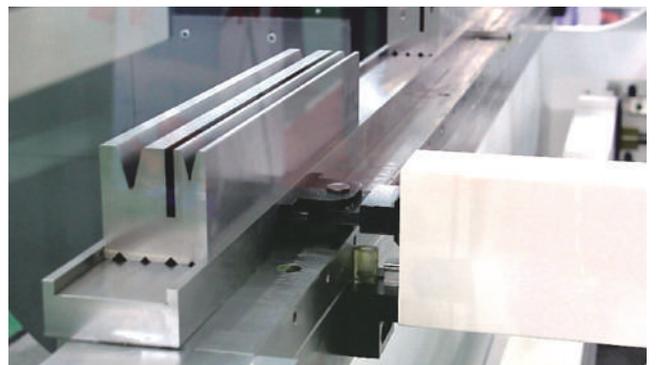
Bending Aids System

Improves bending efficiency and saves labor for the operator.
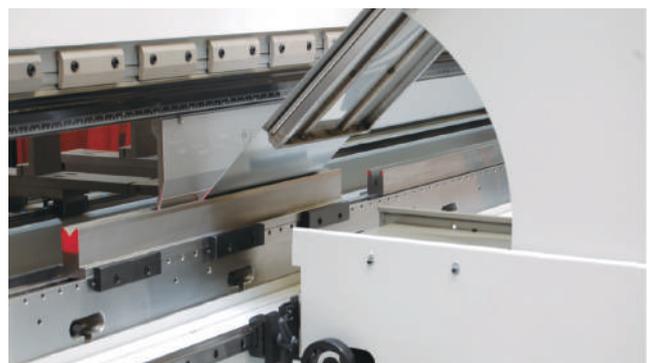
Pneumatic Lifting Pallet

Designed for complex folding process (bending and hemming bending) workpiece design of pneumatic lift front support, according to the working position of a tooling set holds the material plane, make your bending more convenient and quick.

Pneumatic Rear Pallet Device

Specially designed for complex processes (e.g. bending + flattening bending) workpieces with pneumatic lifting front pallets, which can set the palletizing plane according to the working position of the tooling.

OPTIONAL CNC SYSTEM

Italy ESA S640

- 15-inch resistive touch screen (resolution 1366 x 768)
- Memory capacity 128MB, 2D graphics as standard
- 4+1 axes as standard, 6+1 axes optional
- Automatic bending sequence calculation as standard
- Offline software support (optional)

Italy ESA S860W

- Multi-touch support, 18.5 inches
- Support for "hand-drawn" parts
- Support direct import and management of mold libraries (dxf file format)
- Support for upper tooling clamp and lower tooling holder library management
- Support for DataM laser angle measurement
- Support for Esa 3D Bend 3-D bending software
- Modbus TCP bus interface for Industry 4.0

Switzerland Cybelec VT-15

- 15-inch touch screen, can be used with gloves
- Automatic simulated bending step sequence function
- Intuitive programming and easy-to-set-up navigation
- 2D finger-painting programming function (section drawing) and precise 2D program creation
- EasyBend for single part bending
- 4 axes as standard, control up to 6 axes
- Pressure, deflection compensation and pump control functions

Switzerland Cybelec VT-19

- 19-inch capacitive touch screen (resolution 1366 x 768)
- Windows operating system, 32GB storage capacity
- Standard 2D graphics, optional 3D graphics
- 4+1 axes as standard, unlimited axes available
- Automatic bending sequence calculation as standard
- Support offline software (optional)

Netherlands Delem DA-66T

- 17-inch infrared touch screen
- Windows CE operating system with 1GB storage capacity
- Standard 2D graphics, 3D display, optional 3D graphics programming
- Automatic bending sequence calculation as standard
- Offline software as standard

DeraTech

瑞铁机床

WeChat
Official Accounts