



瑞铁机床

BCI

Bending Center

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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.



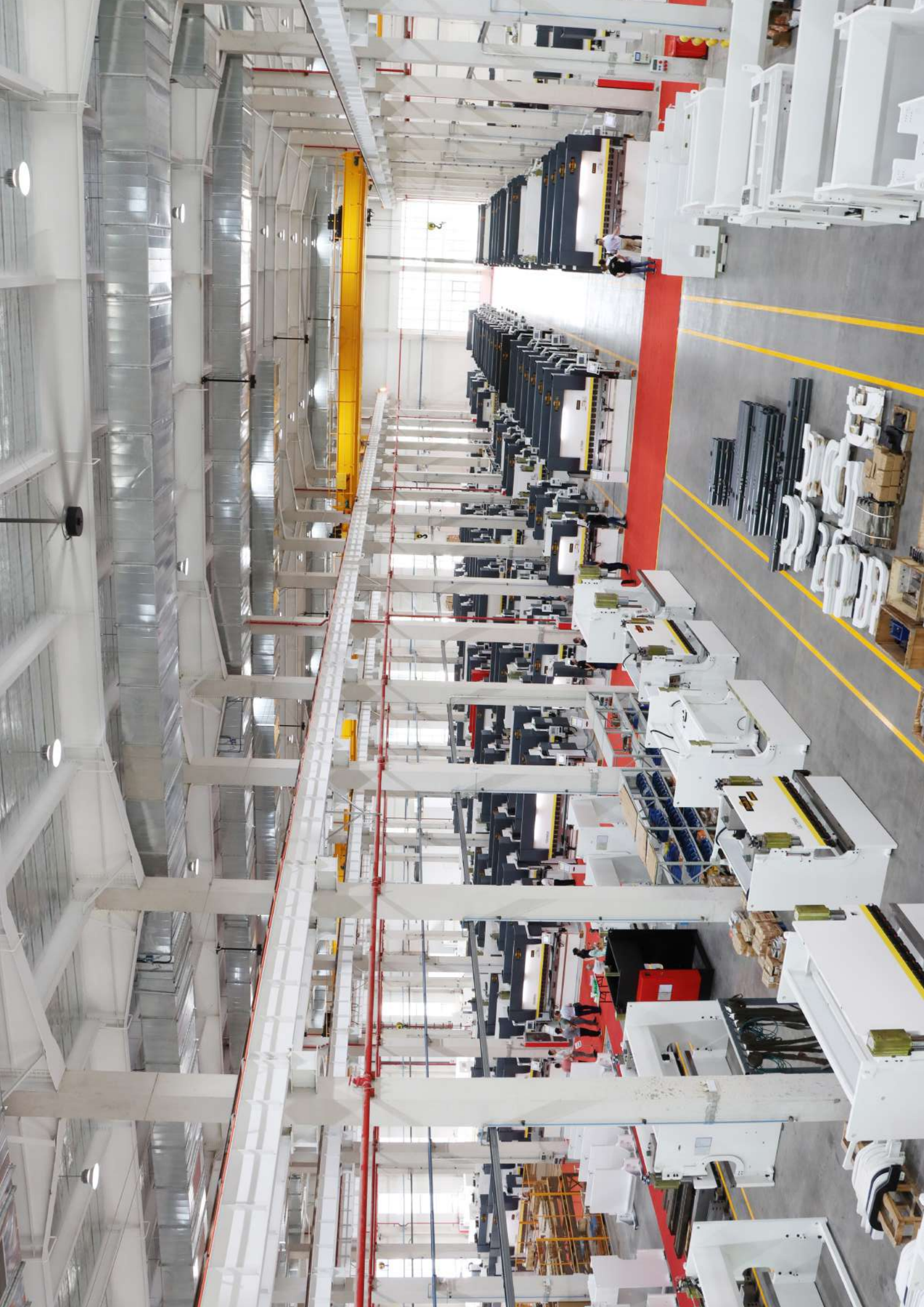
DeraTECH

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苏州瑞铁激光科技有限公司  
DeraTech Laser Technology (Suzhou) Corp. Ltd.

DeraTech





## BCI Suction Cup Bending Center

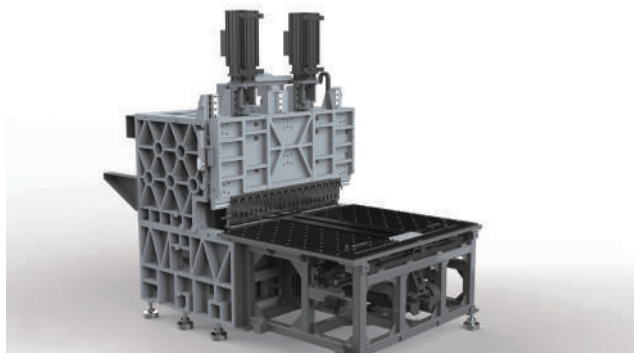


Full servo drive, easy system operation, high efficiency with both performance and price.

## PRODUCT FEATURES

### Scientific Structural Design

The core frame of the equipment is made of high grade QT500-7 and HT250 or above castings, which is stable and durable.



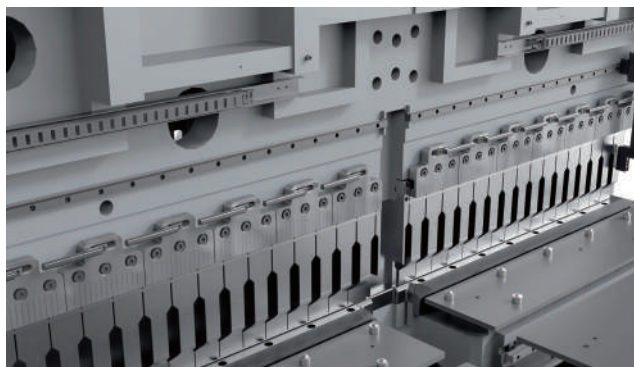
### Precision Drive Mechanism

The core movement mechanism of the whole machine adopts heavy-duty type grinding screw, the maximum screw reaches 8020, with heavy-duty type high-precision P3 roller type linear guide, the transmission rigidity is sufficient, high precision.



### Quick-Release Tools

Equipped with precision bending knife and press knife, the whole tool is hardened, the surface hardness is over HRC55, and it is easy to disassemble.



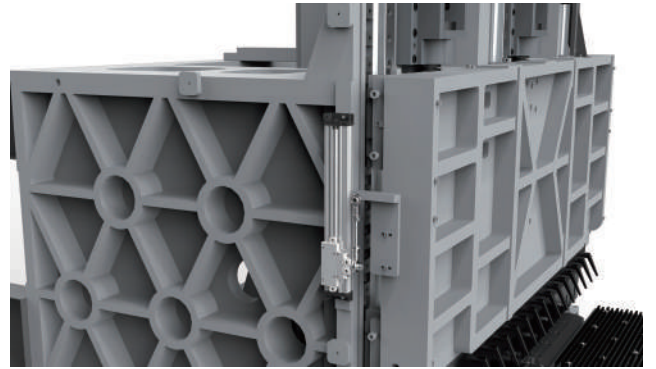
### Precise Positioning System

The loading adopts Y-axis and three-reliance positioning method, with suction cups to fix the workpiece, suitable for thin plate processing.



### Sheet Thickness Measuring Device

The thickness of the bending plate is tested before each bending, and the workpiece is identified automatically. Avoid equipment damage.



## PARAMETERS - BCI

Model	Max. bending size Inch (mm)	Double-sided molding Min size (mm)	Four-sided molding Min.size (mm)	Max. bending Height (without hinge knife) (mm)	Max. bending thickness				Material Min. Thickness (mm)	Bending Angle (°)	Peak Power (kW)	Avg. power (kW)	Servo Number of axes (PCS)	Dimension (mm)	Weight (ton)
					Carbon Steel Sheet (UTS 410 N/mm <sup>2</sup> )	304 Stainless steel (UTS 520 N/mm <sup>2</sup> )	201 Stainless (UTS 515 N/mm <sup>2</sup> )	Aluminum sheet (UTS 265 N/mm <sup>2</sup> )							
BCI-1412	1400×1400	140	140×210	170	1.2	1.0	0.8	1.6	0.35	±150	34	1.5	9	3660×1910×2900	10
Remarks: Bending height support customization															



# BCI Bending Center with Pressure Arm

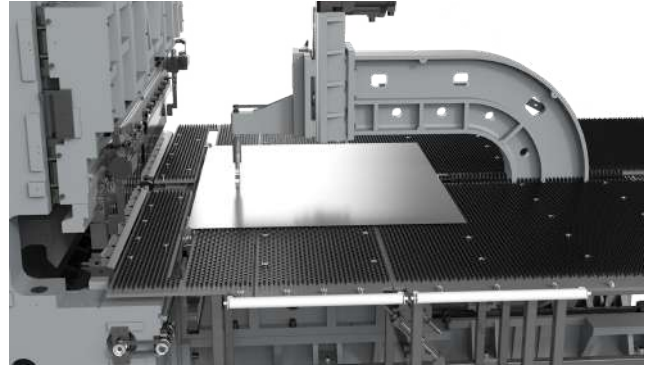


Ergonomic design, industry-leading control technology, energy saving and environmental protection, stable and efficient, wide processing range.

## PRODUCT FEATURES

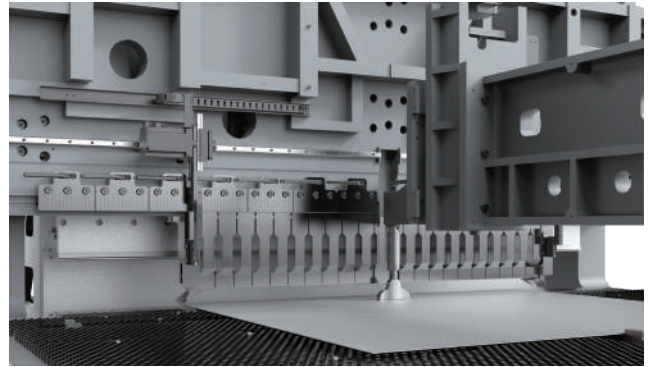
### Omni-Directional Workpiece Positioning System

High-torque servo motor with pressure arm clamping workpiece, workpiece rotation adopts high-precision RV reducer, higher precision of rotation positioning. Shaped workpieces such as mesh hole, hollowing and thick plate are applicable, stable operation and high reliability.



### Power Hinge Knife (Optional)

Effectively avoid interference and scratching by the workpiece surface.



## PARAMETERS - BCI

Model	Max. bending size Inch (mm)	Double-sided molding Min size (mm)	Four-sided molding Min.size (mm)	Max. bending Height (without hinge knife) (mm)	Max. bending thickness				Material Min. Thickness (mm)	Bending Angle (°)	Peak Power (kW)	Avg. power (kW)	Servo Number of axes (PCS)	Dimension (mm)	Weight (ton)
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BCI-1415	1400×1400	140	140×190	170	1.5	1.2	1.0	2.0	0.35	±150	35	1.8	15	4400×1910×2900	12
BCI-1430	1400×1400	140	140×190	170	3.0	2.0	1.7	3.0	0.35	±150	40	1.8	15	4400×1910×2900	13
BCI-2015	2000×1500	140	140×190	170	1.5	1.2	1.0	2.0	0.35	±150	39	2.5	15	5150×2700×3350	16
BCI-2030	2000×1500	140	140×190	170	3.0	2.0	1.7	3.0	0.35	±150	72	2.6	15	5150×2700×3350	16
BCI-2515	2500×1500	140	140×190	170	1.5	1.2	1.0	2.0	0.35	±150	58	2.9	15	5750×3150×3410	22
BCI-2530	2500×1500	140	140×190	170	3.0	2.0	1.7	3.0	0.35	±150	72	2.6	15	5750×3150×3400	22

Remarks: Bending height support customization

# CNC SYSTEM

## DH-21B System

- 21-inch display
- Graphical visual error checking programming
- Cloud-based interface management system
- Offline programming support
- Advanced autonomous programming
- Off-load detection
- Plate thickness detection
- Soft limit function to prevent bending knife collision
- No board mode, no physical demonstration of the test process
- Real-time step sequences can be viewed
- Multiple Industry 4.0 interfaces



**DERATECH**

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