KRRASS®

NC Press Brake WC67K-160T3200 E21

Main Features:

1 . The whole EU streamlined design, heat treatment rack, high rigidity worktable, optional mechanical crowning device, to achieve precision bending .
2 . Hydraulic synchronous control and Estun NC programmable logic controller ensure accurate repeatability and ease
use .
3 . Integrated hydraulic system (Bosch Rexroth Germany/First USA) allows automatically switch to slow bends in a quick way.
4 . X axis and Y axis realize accurate positioning function by frequency converter through NC E21 system programming control .
5 . Cutting-edge frequency response hydraulic control technology, more stable machine tools, more reliable operation .
6 . The best ratio of parameters, optimal core configuration ensure stable performance, more convenient operation .
7 . WC67K standard single-axis back gauge system and single-axis bending angle system, you can choose to add the V-axis crowning function, and select the appropriate mold to bend complex shape workpieces easily .

Main Configuration:

- Estun E21 NC control system
- Y-axis and X-axis system control adjustment
- Delta frequency converter controls the positioning of X axis and Y axis
- Using SHAC ball screw and light bar to ensure the accuracy of 0 . 05mm .
- Clip-on quick clampings
- Front holder support
- Germany Bosch Rexroth hydraulic valve block
- Germany EMB oil tube connector
- Germany Siemens main motor
- France Schneider Electric
- Hydraulic and electrical overload protection
- Top and bottom dies (86 °, R0 . 6mm, material: 42CrMo)

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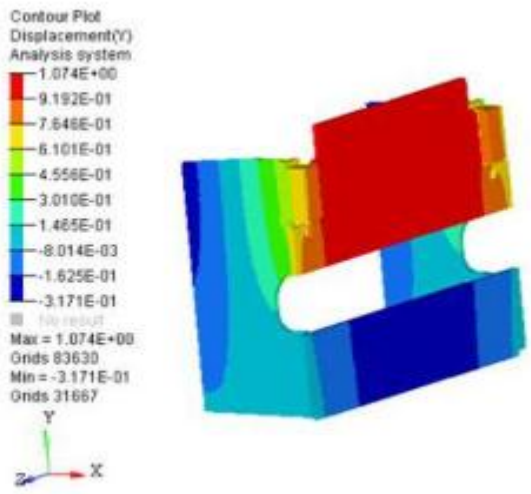
MACHINE BLOCK:

KRRASS® press brake features a rigid frame for min deflection under the load. The frame steels are German origin and designed using SOLIDWORKS 3D programming and made with quality steel Improved Q235 using the latest technology.

Feature:

•The machine welding is made by welding aparatus and welding robots.
•After the welding, we make stress relief process by vibration system.
•After the stress relief process machine frame goes to CNC 5 axes machining centers for accuracy.
•All reference surfaces and connection holesare machined.
•By all this processes machine frame sensivity is protected for a long life time.



PRO S PRESS BRAKE CYLINDERS:

In order to allow tilting of the ram without damage,because we use spherical connections. This type of connection also allows peak forces to be absorbed gently.

Advantage:

•High-Speed Free Fall
•High Bending Speed
•High Return Speed
•Very low noise level.

•Free-fall bending & return speeds of EURO PRO S press brakes series makes is the best choice to meet demands in today's competitive markets.
•PRO S series offer twice as fast production capacity compared to conventional NC press brakes.

SPEED GRIP SYSTEM:

The speed grip system reduces the time spent changing tools by 80% compared with traditional systems.

Advantage:

•Vertical tool exchange
•Safety guard
•including selectable intermediates

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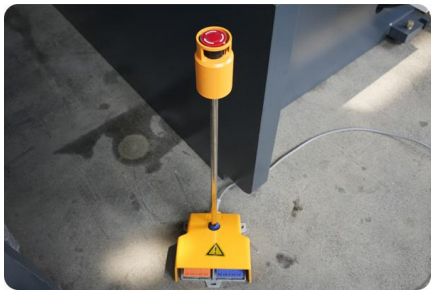
Features:

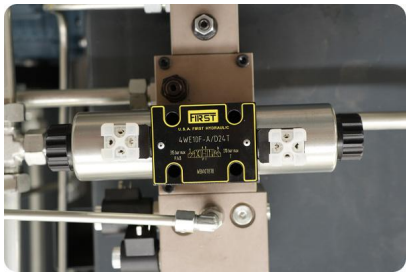
- Backgauge control
- Control the common motor or inverter
- Intelligent positioning
- Holding pressure unloading time setting
- Workpiece counting
- 40 programs stored, 25 steps per program
- Unilateral positioning
- Concession function
- One-key backup / restore
- mm / inch
- Chinese / English

SHEARING PROCESS:

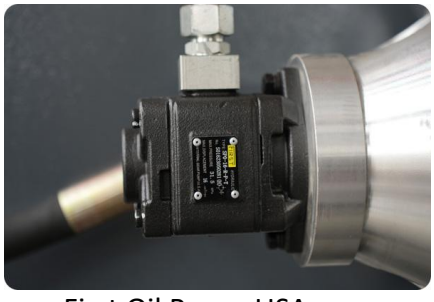
Schneider Electrics-France



KACON - South Korea



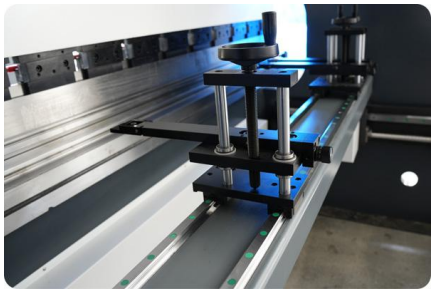
First Valve-USA



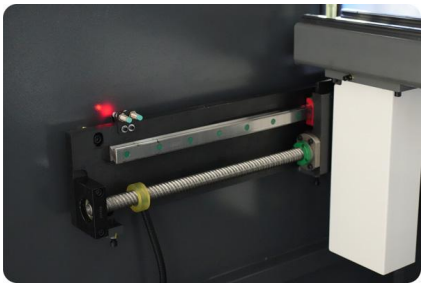
First Oil Pump-USA

Siemens Motor

Quick Clamps



Hight-Precision fine-tuning back finger stoper



Backgauge use ball screw and linear guide rail

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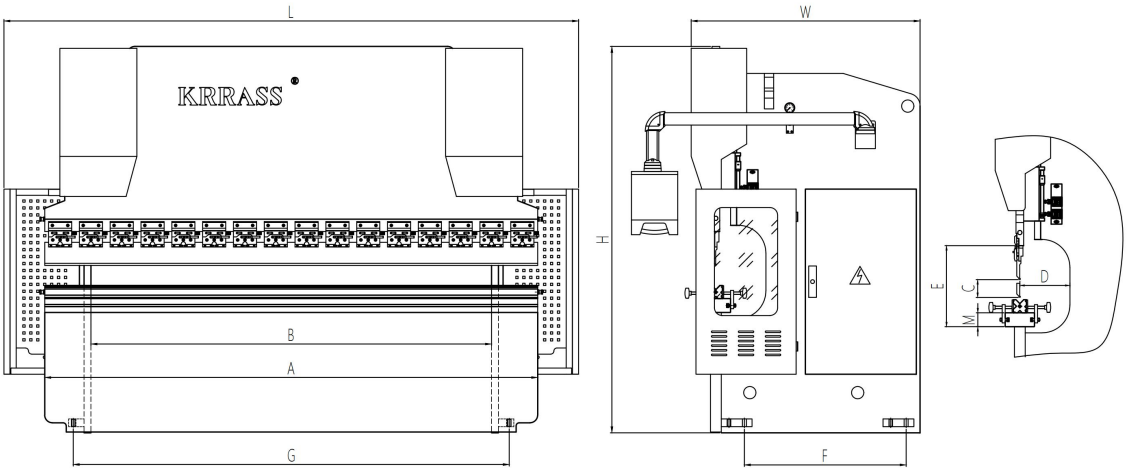
TECHNOLOGIES:

1	Model			WC67K-160T3200
2	Bending Pressure		kN	1600
3	Bendling Length (A)		mm	3200
4	Vertical Column Distance (B)		mm	2600
5	Throat Depth (D)		mm	320
6	Slider Stroke		mm	200
7	Max Opening Height(excluding fixtures and workbenches) (E)		mm	570
8	Main Motor	Power	kW	11
9	Oil pump	ml/r		25
10	Controller	Model		E21
11	Slide Working Speed	Driving	mm/s	100
		Pressing	mm/s	10
		Returning	mm/s	100
12	Slide Working Accuracy	Repeat Position Accuracy	mm	±0.01
13	Backage X Axis	Stroke	mm	600
		Repeat Position Accuracy	mm	≤±0.01
14	Frame Thickness	Left and Right Vertical Plates	mm	55
		Workbench	mm	90
		Slider	mm	60
15	L		mm	3720
16	W		mm	1580
17	H		mm	2650



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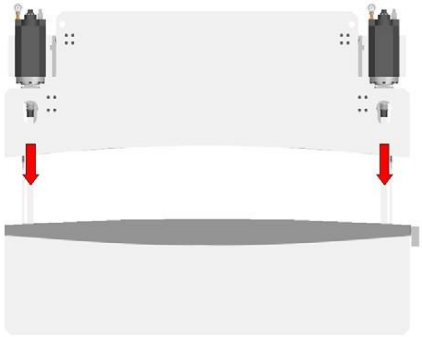
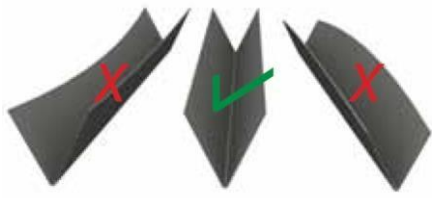
MANUAL MACHANICAL CROWNING SYSTEM(Optional):

The system allows the user to manually control the deformation of the beam during bending. Therefore, the angle remains constant throughout the length of the board.

Advantage:

The convexity system is controlled by hand to automatically execute the convexity and make the part in a uniform bending angle at any given point.





Standard Configuration List:

No.	Name	Model/Manufacturer	Others
1-	Controller	■E21- Estun	
2-	Electrics	Schneider - France	Travel switch & Limit Switch
3-	Main Motor	Siemens Motor - Germany	
4-	Back Stopper, Timing Belt, Timing Pulley	SHAC	Positioning Control
5-	Pedal Switch	KACON-Korea	
6-	Hydraulic System	Bosch Rexroth - Germany/First-USA	
7-	Hydraulic Oil	First-USA	
8-	Sealing Ring	MERKEL - Germany	Sealing Ring
9-	Oil Tube Connector	EMB - Germany	Oil Tube Connector
10-	Front Safeguard	Produced by KRRASS	Front Safeguard
11-	Die	One Set of standard Dies	Die
12-	Backgauge	Ball Screw and Polished Rod, Linear Guide Rail-Taiwan, SHAC	Backgauge
13-	Clamp	Quick Clamp - China	Clamp
14-	Deflection Crowning(Optional)	Mechanical Crowning	China Brand