

SHEARING MACHINE

Swing Beam

QC12K Series



- Steel plate welded structure, hydraulic transmission, nitrogen cylinder return, convenient operation, reliable performance, beautiful appearance.
- Edge adjustment signs, adjusts lightly and quickly, continuously variable transmission.
- Lighting device on the line, and continuously variable adjustment of upper carrier itinerary.
- Fence type safety protection device.
- Back gauge adopts Backgauge uses linear guide rails and ball screws, with low noise and high precision.

PRODUCT DETAILS

Backgauge

- The heavy-duty backgauge design of the product enhances collision resistance and minimizes deformation, ensuring durability and precision in cutting operations.
- The convenient backgauge rack facilitates easy retrieval of cutting materials, streamlining workflow efficiency.
- The availability of both manual and automatic backstop lifting functions caters to diverse cutting needs, accommodating longer materials with ease.



Main Motor

- Our main motor options feature renowned international brands like Siemens and popular Chinese brands like Wannan, ensuring quality and reliability across the board.
- Voltage customization is a key feature, offering tailored solutions including 3-phase options at 220V, 380V, and 415V, meeting diverse operational needs with precision.



Control System

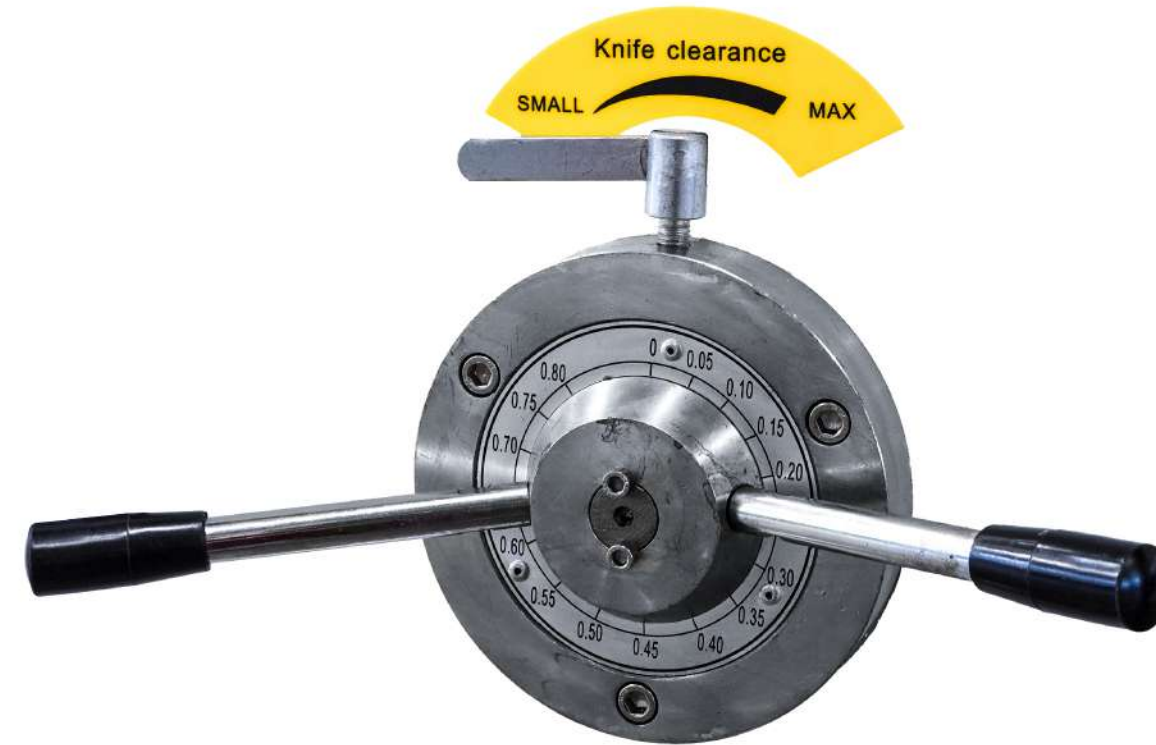
- The plate shearing machine features the E21S numerical control system from ESTUN, known for precision and reliability.
- The ESTUN E21S system allows for automated adjustment of cutting angle and blade clearance, enhancing operational efficiency.
- With the E21S from ESTUN, the plate shearing machine ensures optimal performance through precise control of cutting parameters.





Ball Integrated Front Tables

- The ball-type front support minimizes friction, enhancing plate smoothness, a key feature of the product.
- Improved feeding convenience and speed boost cutting efficiency significantly, a standout advantage of this innovation.



Adjusting Device

- The product allows for manual adjustment of the blade gap, providing users with precise control over cutting depth and accuracy.

Lubrication Device (Optional)

- Two model options available: automatic and manual, offering customers choice and flexibility.
- Enhanced convenience and speed for users, catering to varying preferences efficiently.
- Streamlined selection process for customers, ensuring ease of use and satisfaction.



Hydraulic Valve

- Utilizes Rexroth hydraulic valve block for superior hydraulic performance, enhancing reliability and efficiency.
- Oil pressure overload protection system minimizes oil leakage and valve jamming, ensuring uninterrupted machine operation.
- Real-time oil pressure monitoring feature maintains smooth oil circuit operations, guaranteeing stable equipment performance.

Feeding Port

- The feed port design of our machine complies with international safety standards, guaranteeing secure and dependable operation.
- The machine provides a precise feeding height range, from the sheet thickness to sheet thickness plus 20-25mm, with adjustable height screws for convenient height customization.
- Enhanced operator safety is ensured with the inclusion of a front fence and side guardrail in our machine's design.





Cutting Line Illumination

- The standard alignment device incorporates machine light projection for precise cutting straightness, eliminating the need for manual line drawing.
- This technology enhances cutting accuracy by projecting a line shadow onto the sheet, ensuring high-quality results.
- It offers a modern alternative to traditional cutting methods, improving efficiency and precision in the cutting process.



Rear Protection Device

- Photoelectric technology actively detects and prevents potential hazards.
- Targeted Finger Protection: Specifically safeguards fingers from harm, minimizing injury risk during operation.



Electric Components

- High-quality electrical components ensure stability and durability, promising a long service life for the machine.
- By incorporating premium electrical components, the machine is designed for lasting durability and stable operation, setting it apart in terms of reliability and longevity.



Cutting Blade

- The rectangular blade design of the product offers versatility with four cutting edges, providing enhanced efficiency in cutting operations.
- Its long service life ensures durability, reducing the need for frequent replacements and maintenance costs.

OPTIONAL



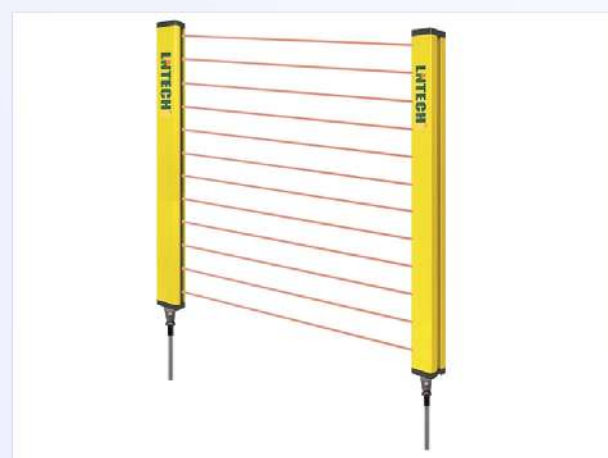
Hydraulic Oil Cooling Device

- Enables uninterrupted operation in high-temperature environments, ensuring machine efficiency and reduced downtime.
- Extends machine usability during prolonged continuous use, providing stable hydraulic performance and reliability.



Pneumatic Rear Support

- The machine provides the convenience of cutting wide sheets with a single key closure feature, enhancing user efficiency and ease of operation.
- Customers can enjoy the practicality of easily handling wide sheets and securely closing the machine with just one key, streamlining workflow and ensuring convenience.



LNTECH Laser Protection

- LNTECH's optional Laser Protection enhances personal safety with features like strong anti-electromagnetic and anti-light interference capabilities, ensuring reliable operation in various environments.

CONTROLLER



ESTUN E21S

- Backeauge control
- Control ordinary motor or frequency converter
- Intelligent positioning
- Dual programmable digital output
- Workpiece counting
- 40 program storage, 25 steps per program
- One-sided positioning
- Retraction function
- One-click parameter backup and recovery
- Metric/imperial system



ESTUN E200PS

- High-definition LCD display, 128x64 pixels.
- Control of backgauge.
- Control of blade gap.
- Control of cutting stroke.
- Synchronization display of actual backgauge position with programmed value.
- Cutting count.
- 100 program steps.
- Panel-mounted installation.
- Servo control / Variable frequency speed control / Dual-speed AC motor control.



DELEM DAC-310T

- Panel based housing
- Bright LCD screen
- Back gauge control
- Retract function
- Cutting angle or gap control
- Stroke length limitation
- Manual movement of axes
- Stock count

Specifications

QC12K Series



SPECIFICATIONS									
Model	Cutting Thickness	Cutting width	Oil Tank	Stroke	Backgauge range	Cutting Angle	Main Power	Weight	Dimensions
Unit	mm	mm	L	times/min	mm	°	KW	Ton	L×W×H mm
4*2500	4	2500	140	33	20-650	1.5	7.5	4	3035*1570*1720
4*3200	4	3200	190	15	20-650	1.5	7.5	5.5	3750*1640*1850
4*4000	4	4000	190	10	20-800	1.5	7.5	7.5	4550*1970*1900
4*5000	4	5000	320	8	20-800	1.5	7.5	13.5	5700*1900*2000
4*6000	4	6000	440	8	20-800	1.5	15	17	6500*2460*2250
6*2500	6	2500	190	17	20-650	2	7.5	5.5	3050*1650*1900
6*3200	6	3200	190	12	20-650	1.5	7.5	6.5	3750*1650*1800
6*4000	6	4000	190	9	20-800	1.5	7.5	8.7	4550*2000*1950
6*5000	6	5000	320	7	20-800	1.5	15	15.5	5540*2450*2300
6*6000	6	6000	440	5	20-800	1.5	15	19.8	6545*2470*2500
8*2500	8	2500	190	14	20-650	2	11	5.8	3060*1650*1800
8*3200	8	3200	190	10	20-650	1.5	11	6.8	3760*1650*1800
8*4000	8	4000	190	9	20-800	1.5	15	8.8	4560*1960*1920
8*5000	8	5000	320	8	20-800	1.5	18.5	16	5600*2360*2180
8*6000	8	6000	440	6	20-800	1.5	18.5	21.5	6600*2450*2500
10*2500	10	2500	190	10	20-800	2	15	7	3050*1960*1920
10*3200	10	3200	190	9	20-800	1.5	15	8.5	3800*1960*1920

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Unit	mm	mm	L	times/min	mm	°	KW	Ton	L×W×H mm
10*4000	10	4000	400	8	20-800	1.5	22	12	4700*2100*2200
10*6000	10	6000	440	6	20-800	1.5	22	28	6600*2100*2300
12*2500	12	2500	400	12	20-800	2	22	10.3	3170*2150*2180
12*3200	12	3200	400	10	20-800	2	22	11.6	3800*2150*2180
12*4000	12	4000	400	8	20-800	1.75	22	13.8	4700*2285*2180
12*5000	12	5000	440	6	20-800	2	22	19.5	5800*2450*2400
12*6000	12	6000	440	5	20-800	2	22	32.5	6600*2600*2700
12*8000	12	8000	580	4	20-800	1.75	22	50.5	8600*3250*3200
16*2500	16	2500	400	11	20-800	2.5	22	11	3245*2290*2180
16*3200	16	3200	400	10	20-800	2	22	12.6	3870*2300*2180
16*4000	16	4000	600	8	20-800	1.75	22	17.8	4705*2575*2200
16*5000	16	5000	600	6	20-800	2.5	30	24.8	5900*2600*2700
16*6000	16	6000	600	5	20-800	2.5	30	35	6600*2700*2900
20*2500	20	2500	500	8	20-800	2.5	30	14.3	3300*2580*2300
20*3200	20	3200	500	7	20-800	2.5	30	16	4150*2600*2500
20*4000	20	4000	550	5	20-800	2.5	30	23	4850*2600*2800
25*2500	25	2500	550	7	20-800	3	37	19	3200*2700*2900
25*3200	25	3200	600	5	20-800	3	37	24	4200*2700*3000