

## QC11K-4\*3200 Guillotine Shearing Machine with E21S



### 1. Main features

- The streamlined welded machine structure achieves high rigidity; the machine is designed by ANSYS software which can ensure the reliability and precision of the shearing machine.
- The motors for backgauge are controlled by inverter, which can achieve high positioning accuracy 0.05mm of the backgauge by changing the frequency and voltage of motor.
- Top blade with four cutting edges and bottom blade with four cutting edges (6CrW2Si).
- X axis(Backgauge) and cutting time can be programmed by E21S system controller, which can store up to 40 groups of programs.
- Cutting angle can be adjusted by CNC controller, Blade gap can be motorized controlled.
- Hydraulic overload can be protected by overflow valve, knife rack returns by Nitrogen cylinders.
- Foot switch with emergency button can stop the machine immediately when accident happens.
- Adjusting knife gap between upper and bottom blades can achieve better cutting performance.
- Front arms with ruler and roll balls can ensure the cutting accuracy and feed the material easily.

## 2. Safety standards and devices

● GB 28240-2012	● ANSI B11.4—2003 (R2013)
● Door open with power off device(inclusive)	● South Korean KACON foot switch(inclusive)
● Side and front metal safe fences(inclusive)	● Hydraulic overload protection(inclusive)

## 3. E21S NC controller








- Backgauge(X axis ) movement control
- Control AC motor or inverter
- Intelligent and unilateral positioning
- Work-piece counting function
- Double programmable digital output
- 40 programs stored, 25 steps per program
- One key back-up/restore of parameters
- Unit for mm/inch
- Language for Chinese/English

## 4. Technical parameters

No.	Item	Unit	4*3200	
1	Max cutting thickness	mm	4	
2	Max cutting length	mm	3200	
3	Throat depth	mm	150	
4	Cutting angle(adjustable)	° (degree)	30'- 1°30'	
5	Cutting speed	Cutting times/minutes	14-35	
6	Cutting Blade	length	mm	1100*3
		quantity	pcs	3(upper)+3(bottom)
7	Backgauge	travel	mm	500



		speed	mm/sec	180
		accuracy	mm	±0.02
8	Front arms	length	mm	800
		quantity	pcs	3
9	Spring pressure cylinder		pcs	12
10	Main motor		KW	5.5
11	Control system		/	E21S
12	Dimension		(L*W*H)mm	3840*1600*1620
13	Weight		kg	4500
14	Machine video link on Youtube		<a href="https://youtu.be/kL-dEINpl6Y">https://youtu.be/kL-dEINpl6Y</a>	

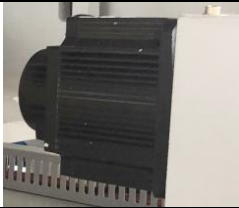

### 5. Standard configurations

No.	Name	Picture	Original country	
1.	Main motor		SIEMENS or WNM	
2.	Electric components		SCHNEIDER	France
3.	Inverter		iG5(South Korea) ,Delta(Taiwan), JRACDRIVE(China)	
4.	Hydraulic pump		SUNNY	USA
5.	Foot switch		KACON	South Korea

6.	Hydraulic valve		Rexroth-BOSC H	Germany
7.	Tubing connector		EMB	Germany
8.	Seal rings		NOK	Japan
9.	Ball Screw		HIWIN	Taiwan
10.	Safe guard		European safety standard	
11.	Front support arms		Built-in ruler	
12.	Spring pressure cylinder		Fix the metal sheet for cutting	
13.	Cutting blade		4 cutting edges for upper blade, 4 cutting edges for bottom blade	

## 6. Optional configurations

1.	Front feeder		Feeding material automatically
2.	Pneumatic back supporter		Unloading the material by pneumatic cylinder

3.	Servo Motor		THINKVO	China
4.	Anti-twist system		<ul style="list-style-type: none"> <li>● To make the balance of main pressure and the cushion force, to make the shearing operation more smoothly, the shearing section more flat, and working more efficiently</li> <li>● Hydraulic System (Twisproof system)</li> <li>● Auto adjustment of blade clearance</li> <li>● Blade angle can outer controlled</li> </ul>	

**7. Inclusive Accessories**

No.	Item	Unit	Quantity
1	Cutting blade	set	1
2	Front support arms	piece	3
3	Foot switch	piece	1
4	O-ring and combination gasket	set	1
5	Foundation bolts	set	1
6	Oil gun	piece	1
7	Allen wrench	set	1
8	Nitrogen inflation tool	set	1
10	Operation manual	copy	1

### 8. After sales service

- Warranty period is 12 months after receiving the machine; any quick-wear part is available for free during guarantee period under proper operation, customers only need to pay for the freight of the replaced new parts.
- Installation and training service is optional for customers, any client can ask for this service from HARSLE, they should assume the airfare and accommodation for our engineer during the journey.  
The salary for each engineer is USD100 per day.

### 9. Term of Payment

- 30% by T/T in advance, 70% by T/T before delivery.

### 10. Lead time

- 25 days after receiving advance payment, sometimes we will have ready machines in stock.