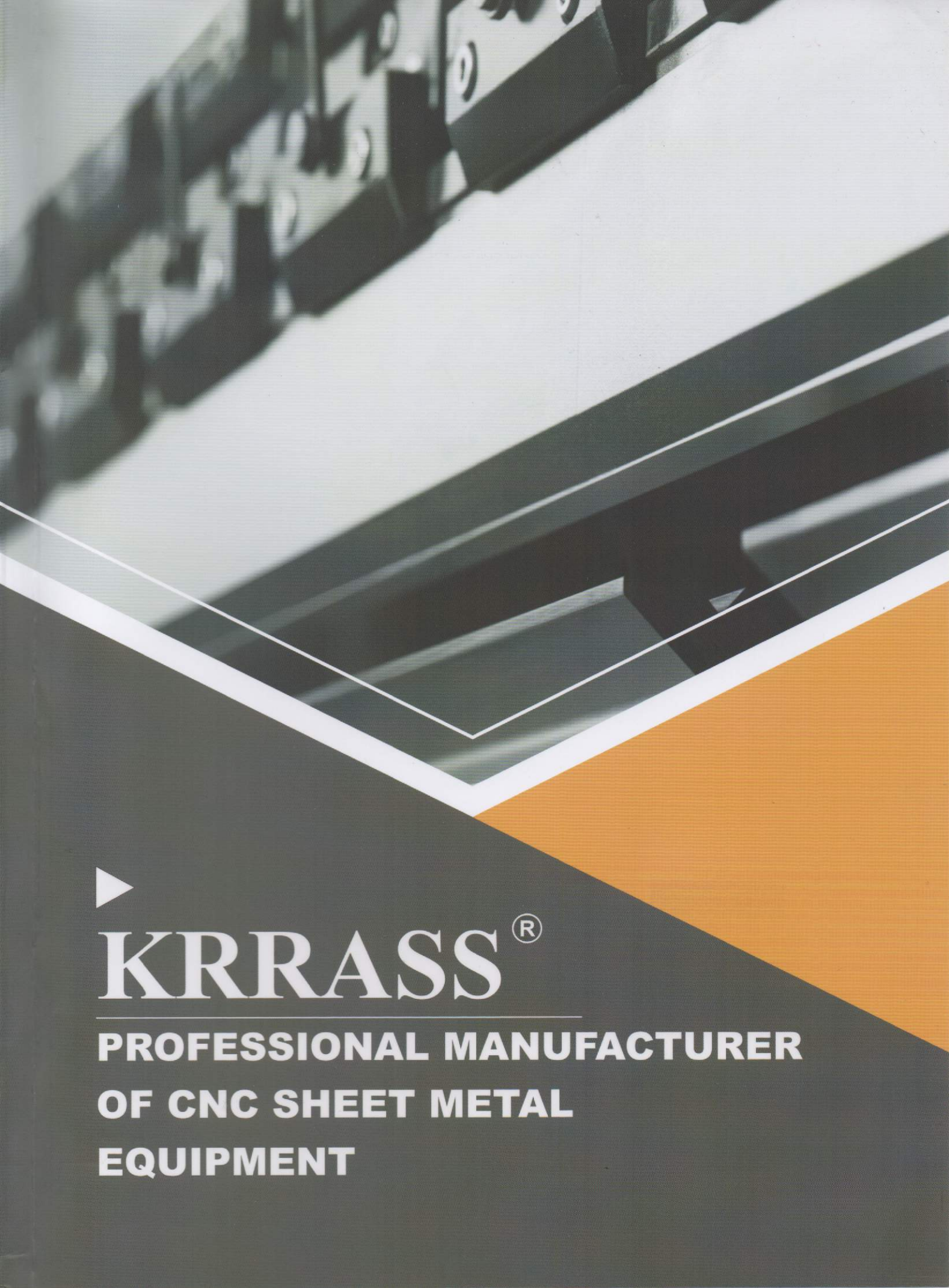


A close-up, high-angle photograph of a CNC sheet metal machine. The image shows various mechanical components, including rollers and guides, which are part of the equipment used for bending and forming sheet metal. The lighting is dramatic, with strong highlights and shadows that emphasize the industrial nature of the scene. A large, white, geometric shape, resembling a stylized 'K' or a series of parallel lines, is overlaid on the image, extending from the top left towards the bottom right. This shape frames the text area. The background is a mix of metallic grays and a solid orange color in the bottom right corner.

▶ **KRRASS[®]**

**PROFESSIONAL MANUFACTURER
OF CNC SHEET METAL
EQUIPMENT**

RAS SERIES

Guillotine Shears – E21S

Standard Equipment

- Variable rake design for machine
- Germany ELGO P40 Controller
- Motorized blade gap adjustment
- 750mm powered ball screw back gauge
- 130mm throat depth with side guards
- Adjustable stroke length & digital counter
- Powerful material holddowns
- Front squaring arm with scribe & support arms
- Front finger guards
- Cutting line illumination
- Ball transfer table and T-slots



Safety Devices:

- Safety Standards (2006/42/EC):
 1. EN 12622:2009 + A1:2013
 2. EN ISO 12100:2010
 3. EN 60204-1:2006+A1:2009
- Front finger Protection (Safety light curtain)
- South Korea KACON Foot Switch (security level 4)
- Back safety guard up to CE standards
- Safety relay monitor the foot switch & safety protection

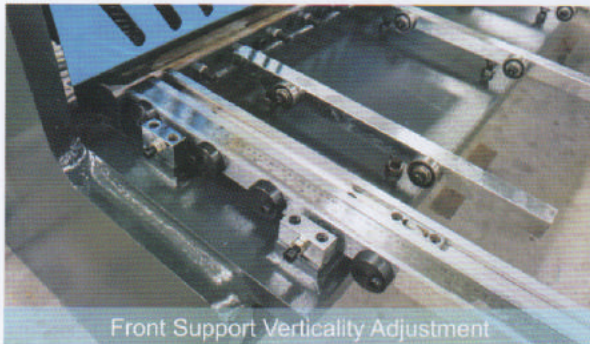
Estun E21S CNC controller

Main functions:

- High-definition LCD
- Control common motors and frequency converters
- X-axis intelligent positioning
- Multi-step programming, 40 programs, each program 25 steps
- Built-in time relay
- A key function switch
- Unilateral positioning function
- One-key backup and restore parameters
- Chinese and English
- Metric system



STANDARD COMPONENTS



Front Support Verticality Adjustment



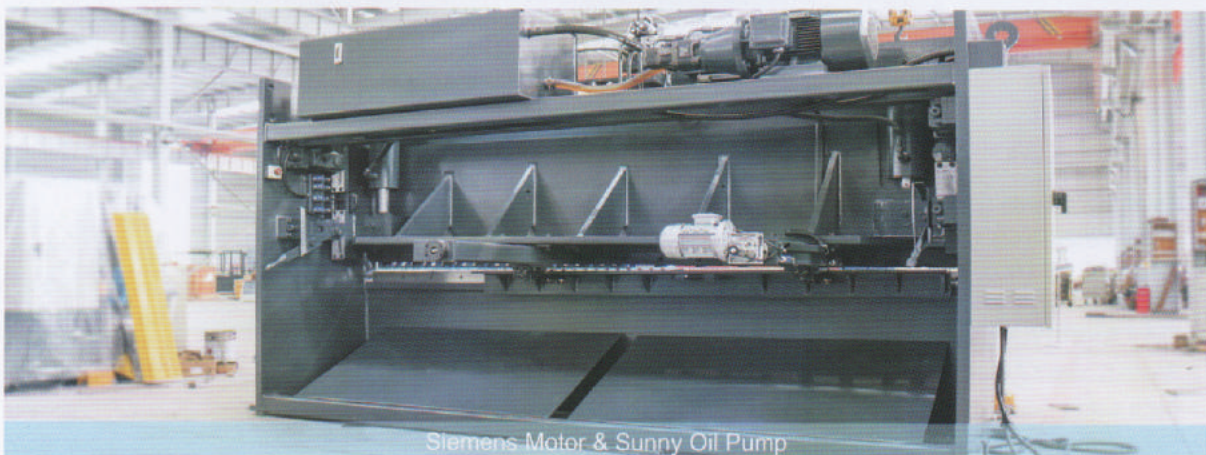
Schneider Electrics



OMRON Limit Switch



Taiwan HIWIN Ball Screw



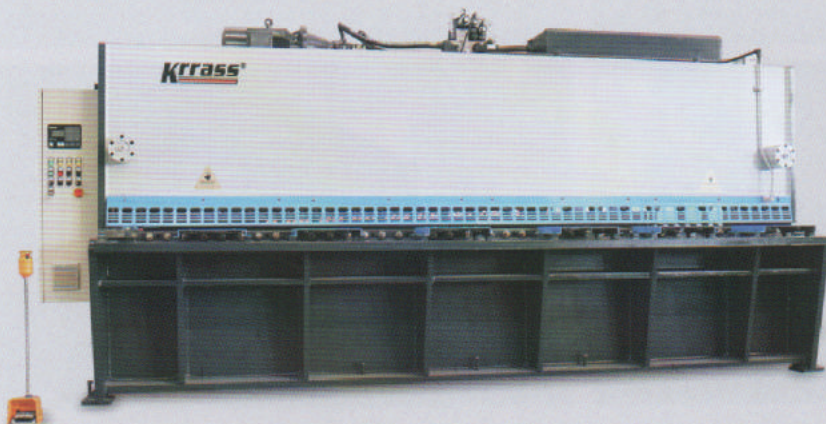
Siemens Motor & Sunny Oil Pump

RAS SERIES

Guillotine Shears – DAC360S

Standard Components:

- Variable rake design for machine
- DELEM DAC360S
- Motorized blade gap adjustment
- 750mm powered ball screw back gauge
- 130mm throat depth with side guards
- Adjustable stroke length & digital counter
- Powerful material holddowns
- Front squaring arm with scafe & support arms
- Front finger guards
- Cutting line illumination
- Ball transfer table and T-slots



/ DAC-360s featuring

- Bright LCD screen
- Back / front gauge control
- Retract function
- Cutting angle control and gap control
- Stroke length limitation
- Force control
- Manual movement of all axes
- Force control
- Sheet thickness measurement
- RTS, Return to Sender function
- Second servo axis (DAC-362s)
- Sheet support



/ ELGO P40 features

- Display
- LCD dot matrix 120 x 80 pixels with white background lighting
- Hardware
- 32 bit microcontroller with 1 MByte flash and 56 KByte RAM
- Program memory
- Up to 1.000 steps, more on request
- System accuracy
- ± 1 increment

Safety Devices:

- Safety Standards (2006/42/EC):
 1. EN 12622:2009 + A1:2013
 2. EN ISO 12100:2010
 3. EN 60204-1:2006+A1:2009
- Front finger Protection (Safety light curtain)
- South Korea KACON Foot Switch (security level 4)
- Back safety guard up to CE standards
- Safety relay monitor the foot switch & safety protection

DELEM DA360S NC Controller:

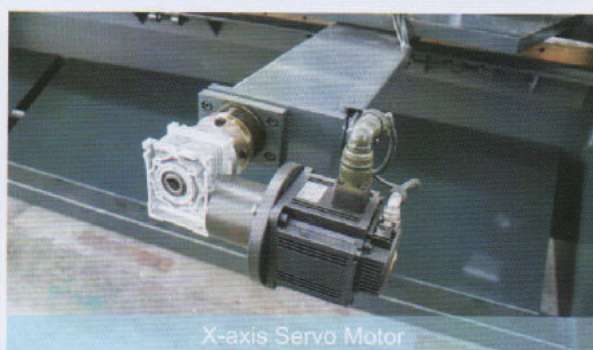
- High-definition LCD display, 128X64 pi
- Backgauge control
- Cutter clearance control
- Cutting stroke control
- Synchronously display the actual position and programming
- Cutting count
- 100 programs
- Servo control



STANDARD COMPONENTS



Taiwan HIWIN Ball Screw & Linear Guide Rail



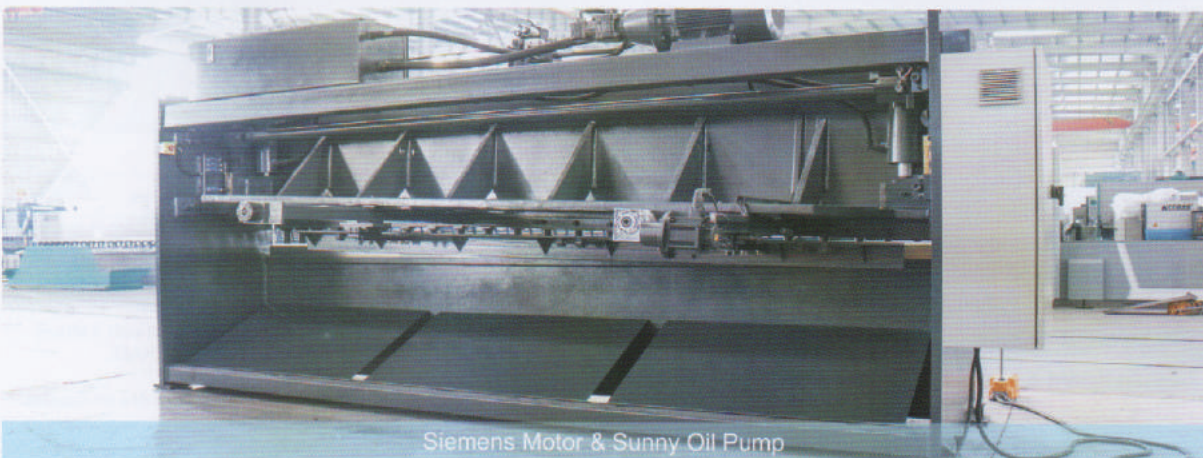
X-axis Servo Motor



Servo Drive



OMRON Limit Switch



Siemens Motor & Sunny Oil Pump

Model	Max Cutting Thickness (mm)		Max Cutting Length (mm)	Throat Depth (mm)	Angle-Cutting Range (°)	Blade Length (mm)	Cutting Speed (Cuts/min)	Backgauge Specification		Motor Power (Kw)	Length (mm)	Width (mm)	Height (mm)	Weight (T)
	<450N/mm ²	<700N/mm ²						Stroke (mm)	Speed (mm/sec)					
4X2500	4	2.5	2500	100	1-3	2600	≥15	600	180	5.5	3140	1640	1940	3.8
6X2500	6	4	2500	100	1-3	2600	≥15	750	180	7.5	3140	1740	2040	4.2
6X3200	6	4	3200	100	1-3	3300	≥15	750	180	7.5	3750	1770	2150	5.7
6X4000	6	4	4000	100	1-3	4100	≥15	750	180	11	4830	1840	2150	8.5
8X2500	8	5	2500	100	1-3	2600	≥15	750	180	11	3040	1700	1700	4.4
8X3200	8	5	3200	100	1-3	3300	≥15	750	180	11	3860	1700	1700	6
8X4000	8	5	4000	100	1-3	4100	≥6	750	180	11	4640	1700	1700	8.9
10X2500	10	6.5	2500	100	1-3	2600	≥12	750	180	11	3400	1800	1700	6.5
10X3200	10	6.5	3200	100	1-3	3300	≥12	750	180	15	3850	1830	1900	8
10X4000	10	6.5	4000	100	1-3	4100	≥12	750	180	15	4650	2100	2000	12
12X2500	12	8	2500	100	1-3	2600	≥12	750	180	15	3285	1830	2390	8.5
12X3200	12	8	3200	100	1-3	3300	≥12	750	180	18.5	3855	1830	2390	10
12X4000	12	8	4000	100	1-3	4100	≥12	750	180	18.5	4850	1830	2390	13.5
16X2500	16	10.5	2500	100	1-3	2600	≥10	750	180	22	3440	1940	2830	13
16X3200	16	10.5	3200	100	1-3	3300	≥10	750	180	22	4010	1940	2830	15
16X4000	16	10.5	4000	100	1-3	4100	≥10	750	180	22	5010	1980	2830	16.5
20X2500	20	13	2500	100	1-3.5	2600	≥8	750	180	37	3440	1980	2830	17
20X3200	20	13	3200	100	1-3.5	3300	≥8	750	180	37	4010	1900	2830	20
20X4000	20	13	4000	100	1-3.5	4100	≥8	750	180	37	4850	2600	2900	22
30X2500	30	20	2500	100	1-3.5	2600	≥8	750	180	37	3440	1900	2830	29
30X3200	30	20	3200	100	1-3.5	3300	≥8	750	180	37	4200	1900	3000	38
40X2500	40	26.5	2500	100	1-3.5	2600	≥8	750	180	37	3440	2000	3000	38