



## **CNC PRESS BRAKE**

**AKOBEND A-SERIES  
AKOBEND B-SERIES**



## **HYDRAULIC GUILLOTINE SHEAR**

**AKOCUT B-SERIES  
AKOCUT C-SERIES**



## **GUILLOTINE SHEAR WITH REDUCER**

**AKOCUT A-SERIES**



## **HYDRAULIC IRON WORKERS**

**DOUBLE - SINGLE CYLINDER SERIES**

# **A KOMAC**

**STANDART FEATURES**

- Elgo P40T Touch Screen Colour Control Unit
- CNC control unit panel with aluminum arm
- Automatically adjusted blade gap by CNC
- Automatically adjusted cutting length by CNC
- Automatically adjusted rake angle by CNC
- Full Length flip-up finger guard cage
- Shadow line & Lighting
- Ball integrated front tables
- Sheet slider at rear
- Back safety Light Curtains
- Akomac Ballscrew back gauge, 1000 mm & Automatic swing-up
- Squaring arm with scale & T-Slot & Tilting stop (L= 1000mm)
- 1000mm Support arm (2 pcs)
- Foot Pedal with Emergency Stop Button
- Top and Bottom Blades

**OPTIONAL FEATURES**

- Cybelec Touch8 Touch Screen Colour Control Unit
- Pneumatic sheet support system ( Fixed Type )
- Pneumatic sheet support system ( Modular Type)
- 0-180° Front angle gauge
- Laser Cutting Line
- Light Curtain for Finger Protection
- Oil Heater
- Oil Coolant with Fan
- Central Lubrication Manual
- Central lubrication Motorized



## GENERAL FEATURES

C - Series CNC Variable Rake Hydraulic Guillotine Shears that provide the appropriate solutions for your needs proved to be user-friendly with its advanced technological features produced with high efficiency, precision and performance criteria. The C - Series CNC Variable Rake Hydraulic

Guillotine Shears has proved to be the best and most durable in the industry with its ease of use.

When you enter the length, thickness and material information of the sheet which will be cut into the easily programmable control unit; gap distance, cutting angle stroke and cutting length are automatically adjusted instantaneously.

While providing flexibility for different production requirements, the time loss eliminated by targeting high productivity.

- The machine frame manufactured with advanced technology with exact tolerances and stress relieved with welded components. All tensile points are designed with large radii and strain accumulation and possible welding cracks are eliminated.
- The lower table and upper table inertia created for optimum value for the minimum deformation affecting the cutting quality.
- The top plate designed to positioned vertically so that the roller bearings, piston bearings, and felts can compensate for vertical loads.

• The hydraulic cylinder is intended to be double-sided and honed to surface quality of 2 microns. Thus, minimum wear resistance is created for the felts. The cylinder bodies manufactured as SAE 1040 material forged.

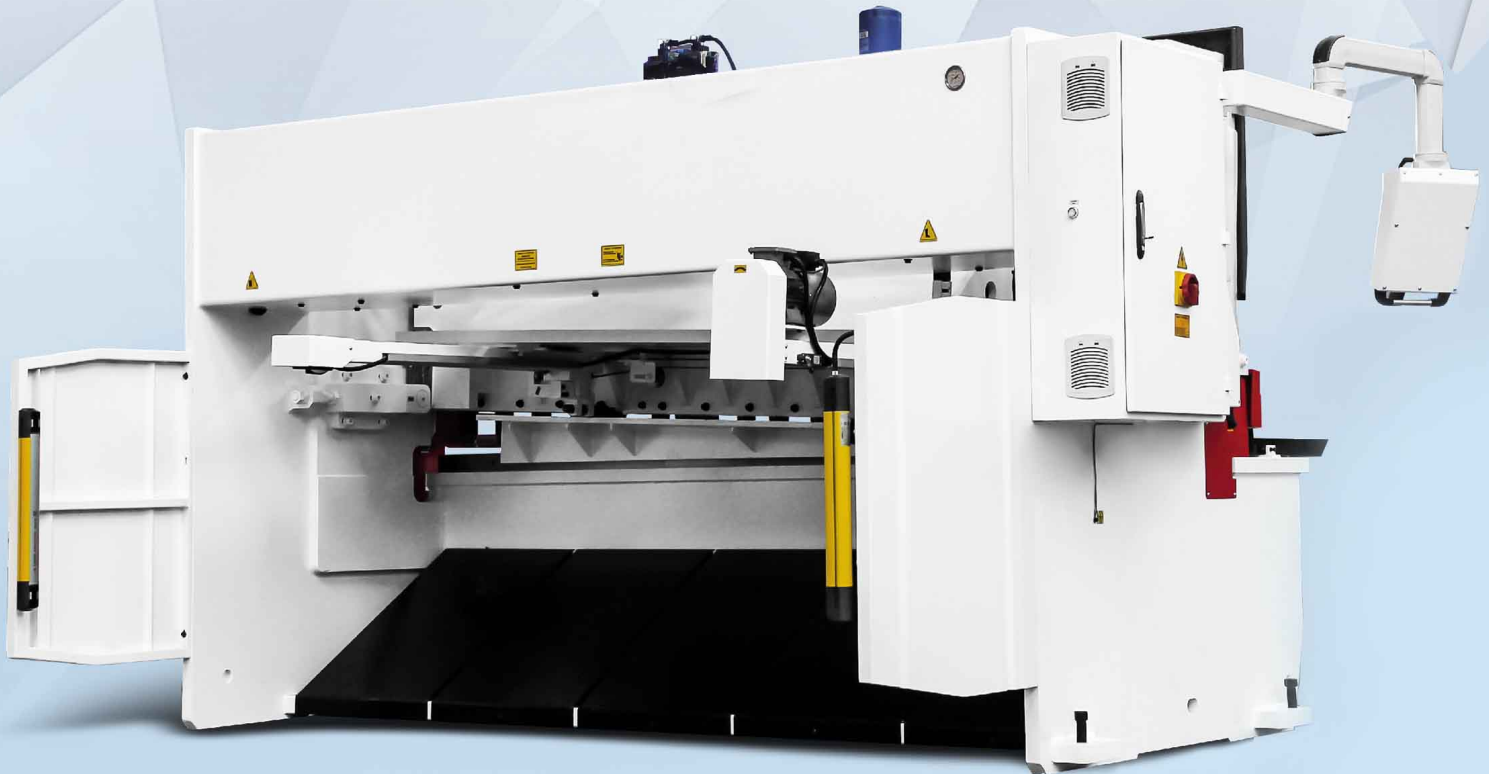
• The hydraulic cylinders specially designed and the upper table mounted with cylinder springs and doubly secure to cylinders as a spherical connection. At this point, the power generated during cutting distributed to the machine body.

• Piston head features: Omega-type felts fitted with full bronze bearings, semi-angled sleeves.

• The Akomac hydraulic system allows precise usage at all pressure values up to the maximum operating pressure. At the same time, with these pressure values, precise cylinder positioning, synchronization, and repeatability are achieved.

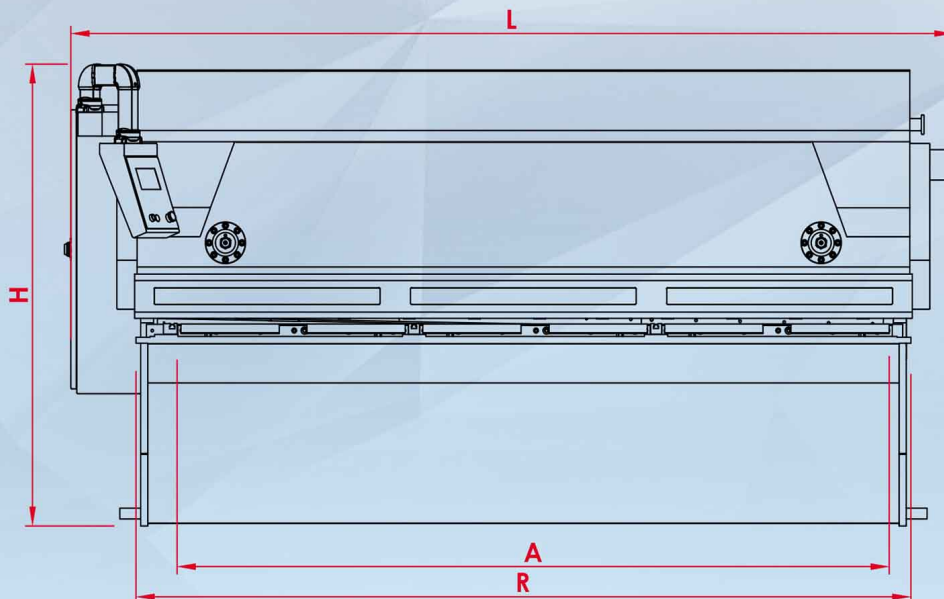
• Backgauge system manufactured in accordance with environmental conditions. Backgauge bearings made for heavy conditions with double bearers. Scrapping type bearings used against dust and other particles that will accumulate in the linear guideways against dusty environmental conditions.

• The outer surface of the machine is painted with two layers of paint at least 60 microns in thickness to protect against weather conditions. Paint drying is done gradually in a different time and temperature ranges in state-of-the-art ovens.

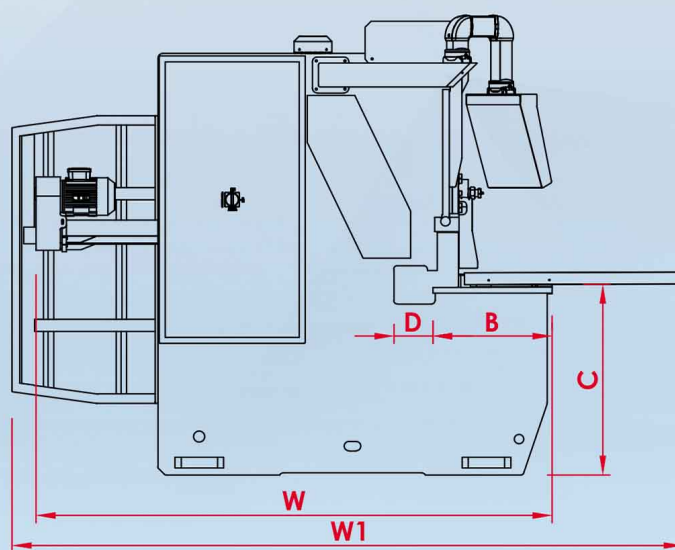


AKOCUT - C Series	Cutting Length	Cutting Capacity		Min,Max. Stroke per minute	Cutting Angle		Number of Holddowns	Holddown Force		Backgouge Course	Backgauge Speed	Motor Power
		MS (450 N/mm <sup>2</sup> )	SS (700 N/mm <sup>2</sup> )		Min.	Max.		Min.	Max.			
	mm A	mm	mm	1/min.	Degree		pcs.	Ton	Ton	mm	mm/sec.	Kw
2006	2080	6	4	15_24	0,3	2	10	3	15	1000	100	11
2506	2580	6	4	13_21	0,3	2	12	3	15	1000	100	11
3006	3080	6	4	12_20	0,3	2	13	4	16	1000	100	11
3008	3080	8	6	10_19	0,3	2	16	4	20	1000	100	22
3010	3080	10	7,5	10_19	0,3	2	16	5	20	1000	100	22
3013	3080	13	10	9_19	0,3	2,3	16	9	38	1000	100	30
3016	3080	16	12	5_14	0,3	2,5	18	10	45	1000	100	37
3020	3080	20	15	4_11	0,3	3	16	19	78	1000	100	45
3025	3080	25	18,5	3_9	0,3	3,25	19	22	95	1000	100	55
4006	4080	6	4	10_17	0,3	2	20	6	25	1000	100	11
4010	4080	10	7,5	8_18	0,3	2	20	6	25	1000	100	22
4013	4080	13	10	7_16	0,3	2,3	19	10	45	1000	100	30
4016	4080	16	12	4_13	0,3	2,5	20	12	48	1000	100	37
4020	4080	20	15	3_10	0,3	3	19	22	95	1000	100	45
6006	6100	6	4	7_13	0,3	1,5	29	9	35	1000	100	22
6010	6100	10	7,5	7_13	0,3	2	29	9	35	1000	100	30
6013	6100	13	10	4_13	0,3	2,3	29	17	70	1000	100	37
6016	6100	16	12	4_12	0,3	2,5	29	17	70	1000	100	45

Akomac has right to change catalogue values and machine technical details without notice. Misprints are not restrictive.



AKOCUT - C Series	Oil Capacity	Throat Depth	Front Arms	Table Width	Table Height	Table Length	Length	Width	Total Width	Height	Approximate Weight
	lt.	mm.	pcs.	mm	mm	mm	mm	mm	mm	mm	mm
		D		B	C	R	L	W	W1	H	Kg.
2006	150	150	2	440	750	2275	2775	2060	2950	1820	4900
2506	150	150	3	495	770	2745	3400	2080	2950	1870	5700
3006	150	150	3	495	800	3330	3900	2080	3320	1950	7000
3008	250	150	3	500	830	3340	3920	2100	3330	2090	8500
3010	250	150	3	520	820	3350	3920	2120	3340	2130	9500
3013	250	150	3	550	840	3380	3940	2150	3360	2260	11500
3016	350	150	3	580	875	3400	4000	2220	3380	2420	15300
3020	500	150	3	590	900	3440	4050	2240	3500	2580	19800
3025	500	150	3	590	930	3460	4050	2250	3500	2720	24300
4006	150	150	4	500	840	4370	4940	2100	3320	2080	9700
4010	250	150	4	555	860	4380	4960	2180	3350	2300	13750
4013	250	150	4	580	880	4400	4980	2200	3360	2380	16400
4016	350	150	4	600	960	4440	5000	2250	3400	2630	22800
4020	500	150	4	630	1000	4460	5050	2250	3400	2680	28300
6006	250	150	6	590	900	6280	6900	2180	3400	2350	22000
6010	350	150	6	600	960	6310	6920	2200	3400	2440	24500
6013	350	150	6	620	960	6330	6950	2200	3400	2900	32500
6016	600	150	6	660	1000	6360	7000	2250	3400	3260	39000





The guillotine shear bodies machined in 5 Axis CNC machines are able to make more precise cuts.



Squaring arm with scale & T-Slot & Tilting stop  
(L= 1000 mm)

AC Motorized  
back gauge,  
1000 mm with  
Automatic  
swing-up





Full Length  
Finger Guards  
Cage



Full Length Flip-  
up  
Finger Guards  
Cage

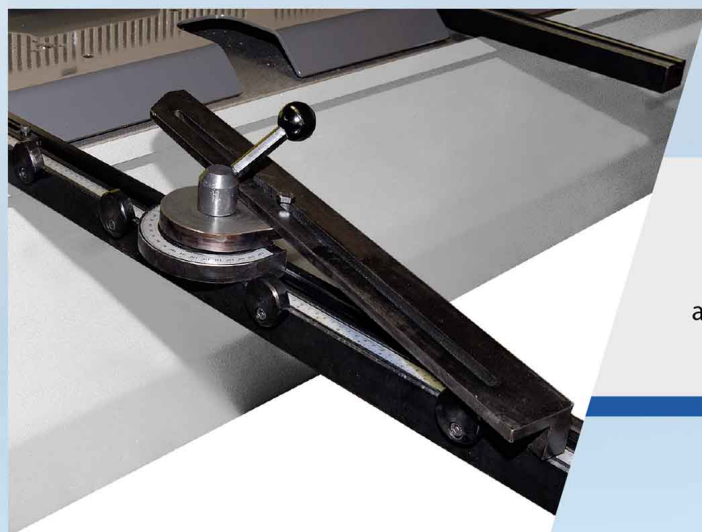





Pneumatic sheet support system (Fixed)




Pneumatic sheet support system (Modular)



0-180°  
Front  
angle gauge



Hold-down lugs  
that prevent  
from moving  
of the sheet  
during cutting

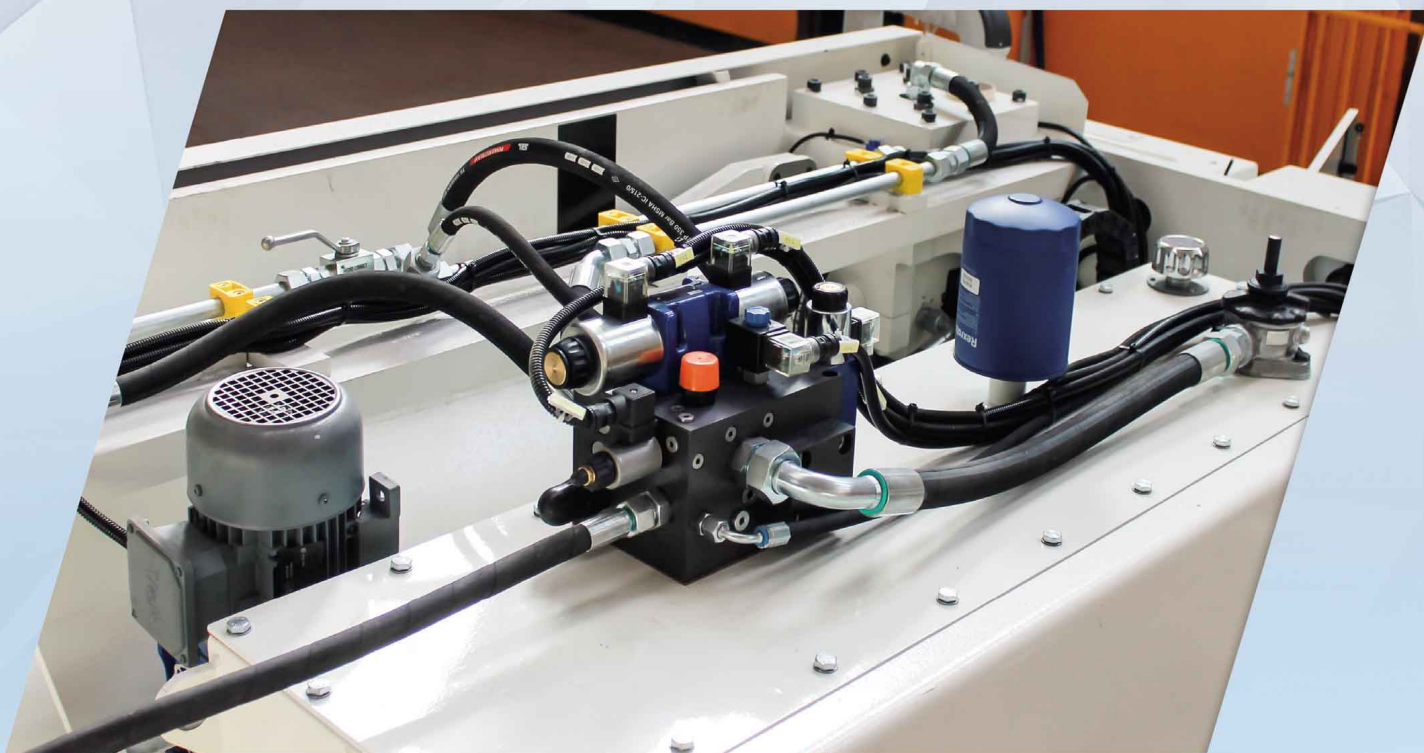
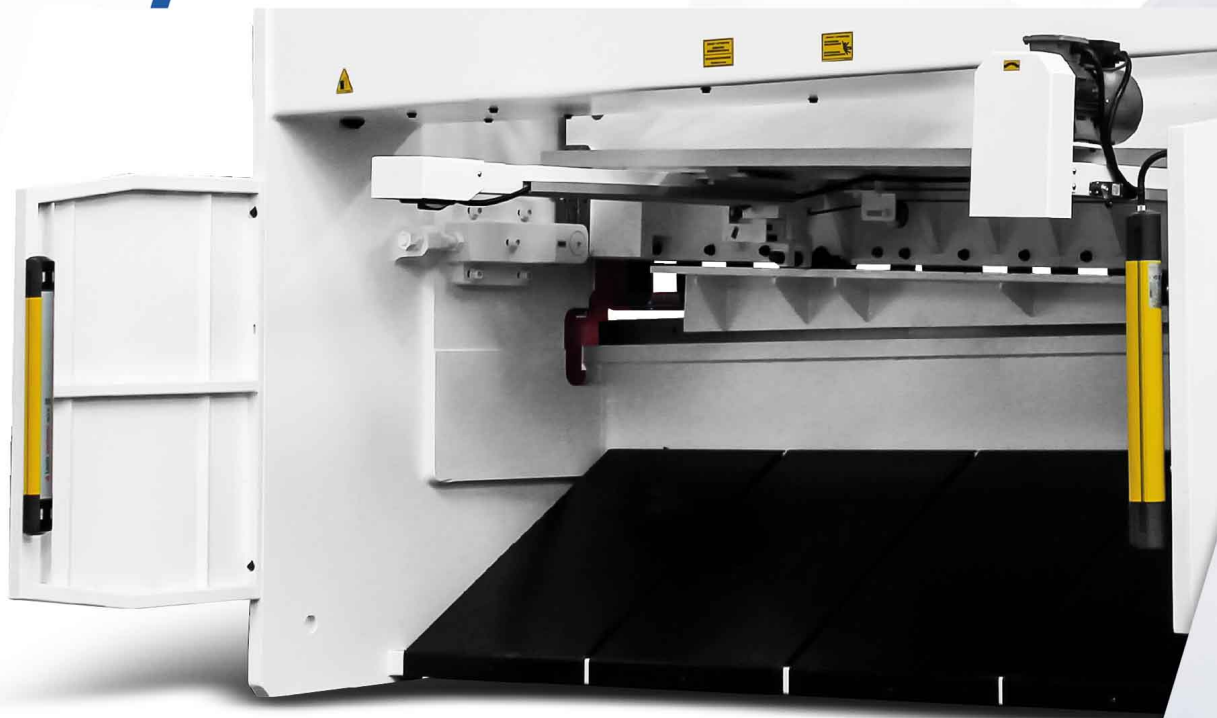


Lighting for cutting line  
& Shadow line



Ball integrated  
front tables

Back Safety System



Hydraulic System

Elgo P40T  
Colored  
Touchscreen  
CNC Control Unit  
C-Series are Standard



- Live Color & High Contrast TFT Touch Screen
- Material depending gap, angle and pressure calculation.
- Automatic Gap Adjustment
- Automatic Cutting Angle Adjustment
- Automatic Cutting Length Adjustment
- Automatic Backgauge Correction
- Automatic Backgauge Parking
- Sheet Support
- Hold-down pressure management
- System Pressure Management
- Program memory
- Language Selection



Motorized adjustable  
blade gap by Button  
& rake angle by Button

BRL 401.2  
NC Control Unit  
B & EC - Series are  
Standard



- Use encoder which supply between 5 VDC to 30 VDC
- Inch / Metric measuring unit,
- Measure 0 – 10 meter,
- 0,1 mm / 0,001 inch sensivity (Adjustable),
- Automatic / Semi Automatic and manual operating mode,
- 10 Different Set Position and Set Count value,
- Optional working with 100 programme, 10 set value
- Working without set values (Single mode),
- Upper and lower limit definition ,
- Double speed position control operation,
- Warning with error messages,
- Programmable manual movement keys ,
- Retraction capability ,
- Saves set position and count values when power off,
- Programmable direction models for each axis,

OPTIONAL FEATURES



Oil Cooler with Fan

Manual Central Lubrication



Laser Cutting Line



Motorized Central Lubrication



Oil Heaters



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