



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

- BRL 401.2 NC Control Unit
- Motorized adjustable blade gap by Button
- Motorized adjustable rake angle by Button
- 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

- 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

EC-NC Series 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 EC-NC Series 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.

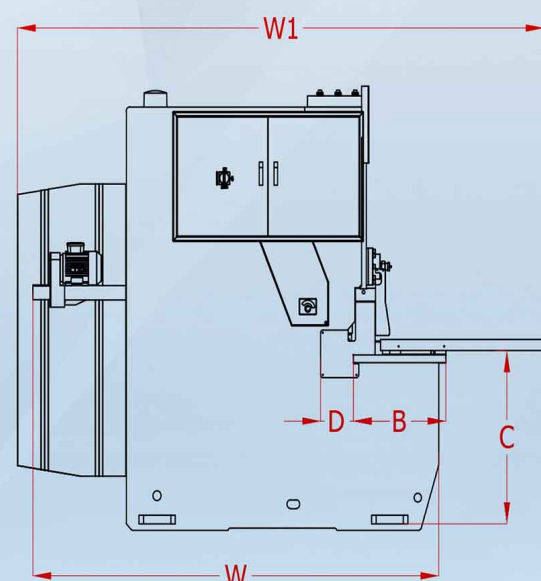
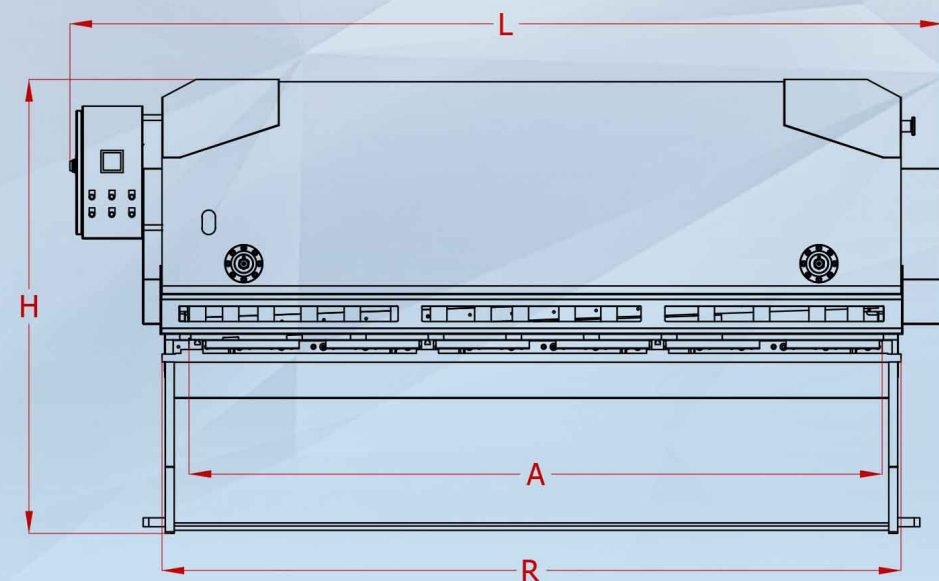
• The outer surface of the machine is painted with two layers of paint at least 60 microns in thickness to protect against weather conditions. Paint drying is done gradually in a different time and temperature ranges in state-of-the-art ovens.



AKOCUT - EC Series	Cutting Length	Cutting Capacity		Stroke per min.	Cutting Angle		Number of Holddowns	Holddown Force	
		MS (450N/mm ²)	SS (700 N/mm ²)		Min	Max.		Min	Max.
	mm A	mm	mm	1/dak	Degree		Piece	Ton	Ton
2006	2080	6	4	15_24	0,3	2	10	3	15
2506	2580	6	4	13_21	0,3	2	12	3	15
3006	3080	6	4	12_20	0,3	2	13	4	16
3008	3080	8	6	10_19	0,3	2	16	4	20
3010	3080	10	7,5	10_19	0,3	2	16	5	20
3013	3080	13	10	9_19	0,3	2,3	16	9	38
4006	4080	6	4	10_17	0,3	2	20	6	25
4010	4080	10	7,5	8_18	0,3	2	20	6	25
4013	4080	13	10	7_16	0,3	2,3	19	10	45

AKOCUT - EC Series	Backgauge course	Backgauge Speed	Motor Power	Oil Capacity	Throat depth	Front Arms	Table width	Table height	Table Length	Length	Width	Total Width	Height	Approximate Weight
	mm	mm/sn	Kw	Lt	mm	Units	mm	mm	mm	mm	mm	mm	mm	mm
					D		B	C	R	L	W	W1	H	Kg
2006	1000	100	11	150	150	2	440	750	2275	2775	2060	2950	1820	4900
2506	1000	100	11	150	150	3	495	770	2745	3400	2080	2950	1870	5700
3006	1000	100	11	150	150	3	495	800	3330	3900	2080	3320	1950	7000
3008	1000	100	22	250	150	3	500	830	3340	3920	2010	3340	2090	8500
3010	1000	100	22	250	150	3	520	820	3350	3920	2120	3340	2130	9500
3013	1000	100	30	250	150	3	550	840	3380	3940	2150	3360	2260	11500
4006	1000	100	11	150	150	4	500	840	4370	4940	2100	3320	2080	9700
4010	1000	100	22	250	150	4	555	860	4380	4960	2180	3350	2300	13750
4013	1000	100	30	250	150	4	580	880	4400	4980	2200	3360	2380	16400

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





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



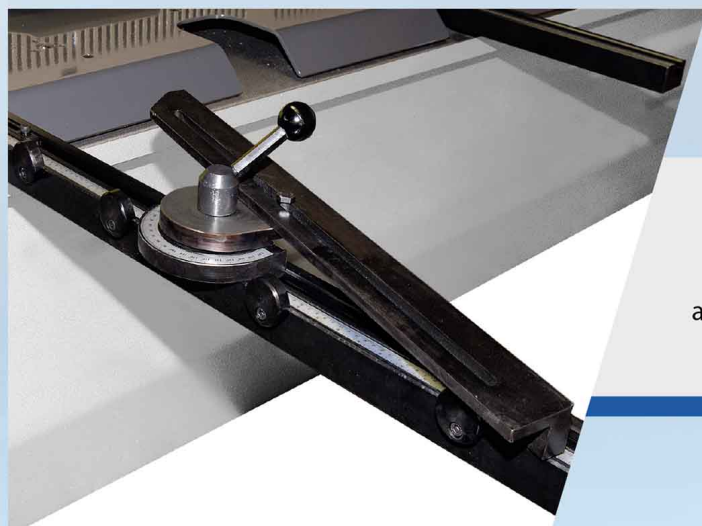
Full Length Flip-
up
Finger Guards
Cage




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

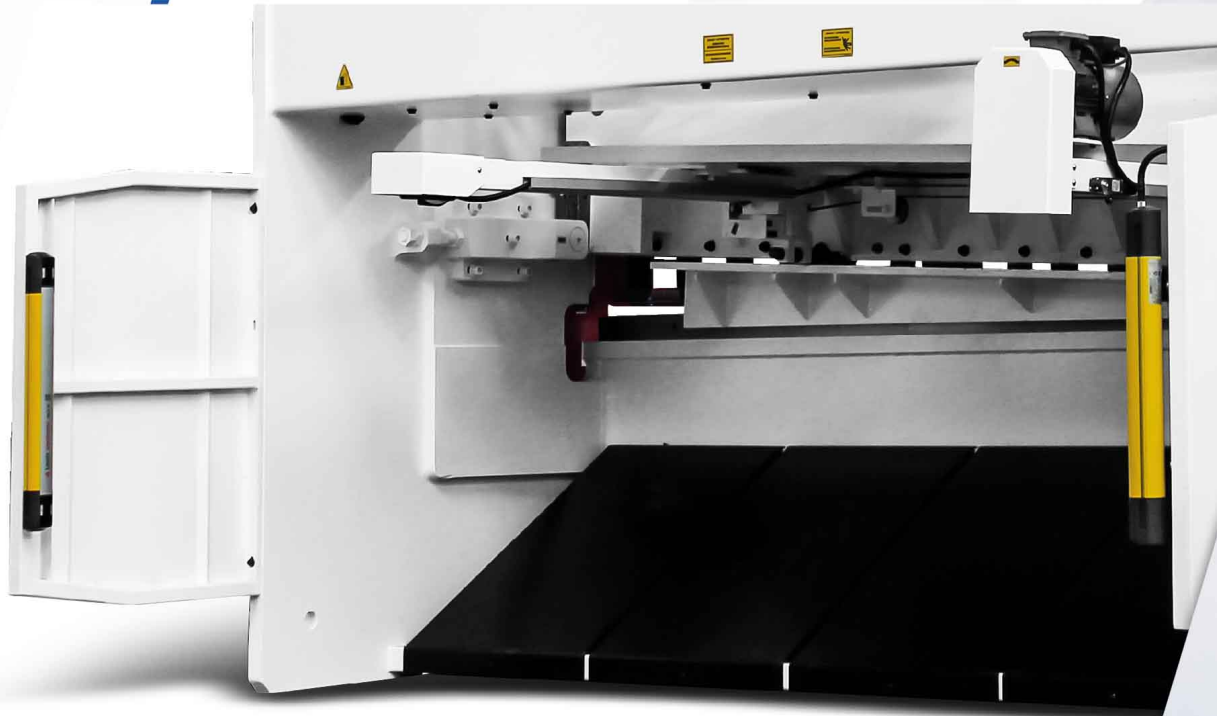


Lighting for cutting line
& Shadow line



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



www.akomac.com
info@akomac.com

Address : alı Mah. Yaylacık Yolu Cad. No:3 A/B - Nilüfer -Bursa -TURKEY

A KOMAC

