

RECYCLING
TECHNOLOGIES

SYSTEMS
THAT
TRANSFORM
INTO
PROFIT

MIZAR





ABOUT US

Mizar Makine is a Turkish company which is specialized in the design and production of recycling technologies. Our factory, in compliance with current legislation, has mass production band, modern machinery with latest technology. Working for a cleaner environment; is as important as economic gain for grinding and recycling of various and valuable materials for us. We are working for a cleaner environment and economic benefit with grinding and recycling a wide variety of valuable materials from copper, aluminum and differentiated waste etc.

As Mizar Machine; we produce a wide range of guaranteed machines with excellent design and maintenance services, maintain high quality standards; support sectoral developments and offer the most advanced solutions. We are designing machines suitable for market demands with expert staff, quality service and professional business approach. We are constantly improving, developing our equipment, looking for new ways for more modern and efficient recycling.

VISION

Our vision is to produce innovative, functional, profitable, modern machines in the recycling sector and make them useful for the benefit of society.

MISSION

Our mission is to work for a clean and livable environment by supporting the recycling of raw materials, producing modern and technological machines that keep operators' health and business environment safe.

WHY MIZAR?

- Quality materials,
- Aftersales service,
- Fair prices,
- Quick response,
- Not only one-time seller, but also your solution partner with an honest trade perspective,
- Experienced team,
- Standing behind the goods,
- Following the last technology with his engineers,
- R&D studies for renovating the technology,
- Coordination with customers and suppliers,

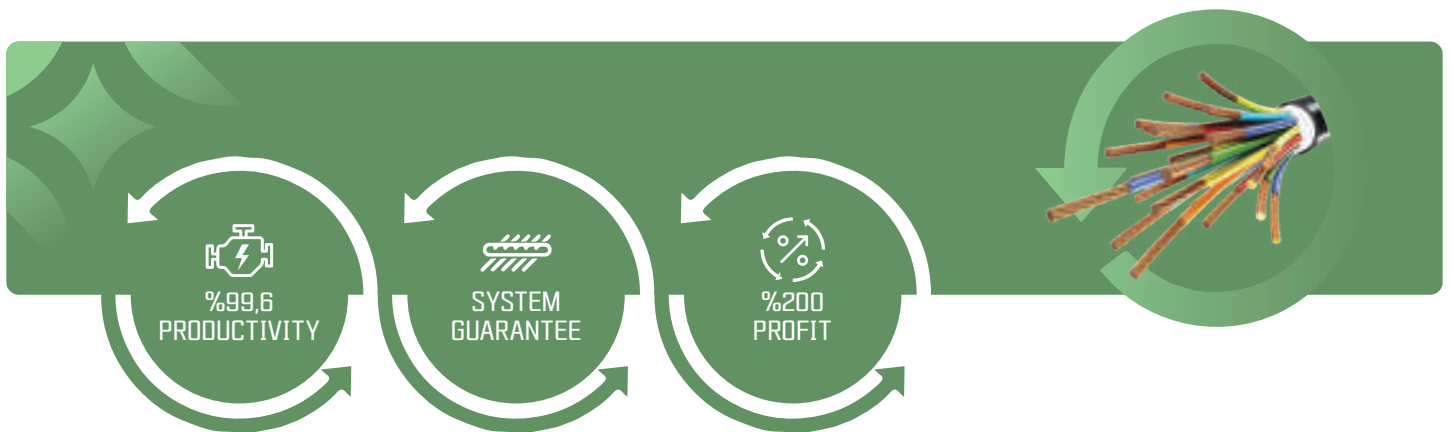
Shortly, your money's worth.

CU SERIES

CABLE RECYCLING MACHINE



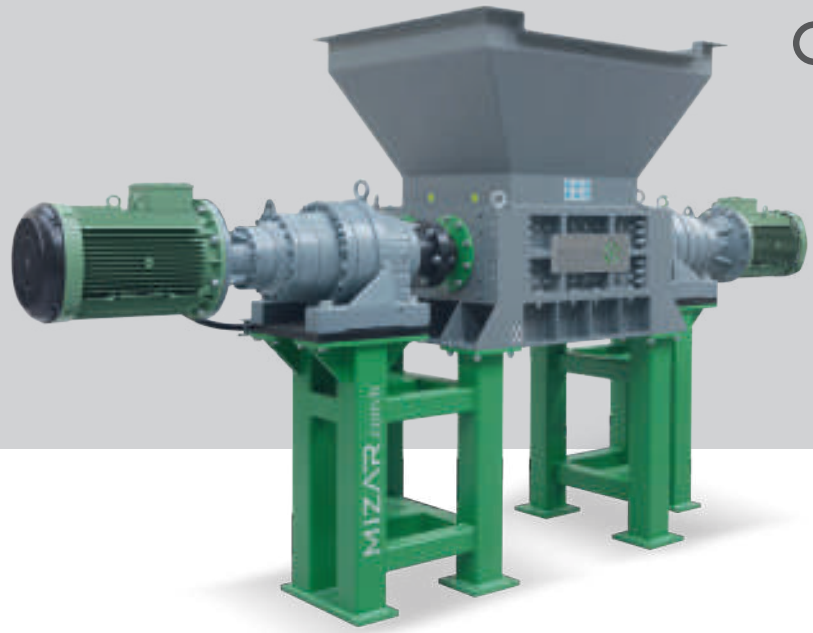
MIZAR CU Series are designed to separate the internal and external parts of any cable, thus preparing it to be recycled. MIZAR CU Series consist of three main systems of granulation, separation and blowers to effectively fragment and dismember 99,6% of the internal and external parts of any cables. The machine is fed with the required material manually via a conveyor band or fed with MIZAR AC Series Pre-Shredder fully automatic within smart PLC software. The machine system operates on a single chassis, and is user controlled and navigated via a PLC and simple to use touch-screen control panel. In MIZAR CU Series, Sweden "SKF" brand heat-resistant bearings and Uddeholm blades are used. All electrical / electronic equipments are "SIEMENS and SCHNEIDER", hydraulic system is "BOSCH REXROTH". According to product capacities there are five models; CU30, CU40, CU60, CU80 and CU120. CE and EAC certificates are available.



TECHNICAL SPECIFICATIONS

	CU30	CU40	CU60	CU80	CU120
ENGINE	7,5 kW	22 kW	45 kW	55 kW	90 kW
BLADE	3+2	3+2	30+2	40+4	60+4
LENGTH	1.220 mm	2.500 mm	4.970 mm	5.280 mm	6.270 mm
WIDTH	1.310 mm	2.300 mm	2.000 mm	2.000 mm	2.250 mm
HEIGHT	2.280 mm	2.450 mm	2.860 mm	2.860 mm	3.200 mm
WEIGHT	750 Kg	2.700 Kg	3.800 Kg	5.000 Kg	6.500 Kg
CAPACITY	100-125 kg/h	250-400 kg/h	500-750 kg/h	750-1.000 kg/h	1.000-1.500 Kg/h

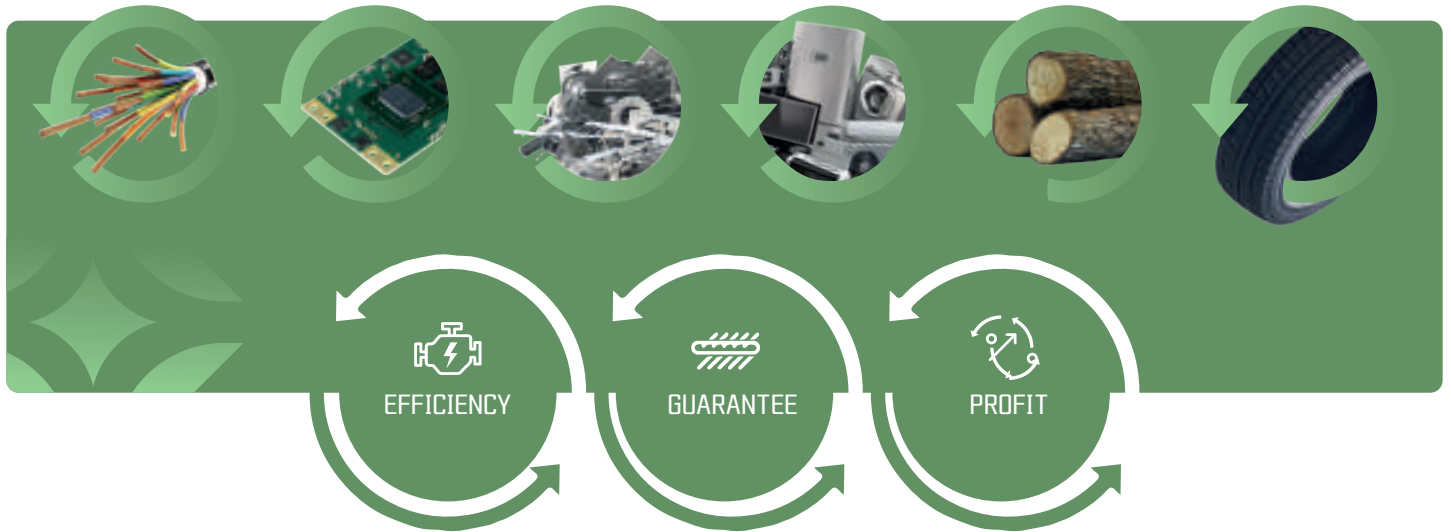
* Production capacity per hour varies depending on the type of material to be processed Above numbers are for pre-shredded cables. The manufacturer reserves the right to make any changes.



ASC SERIES

DOUBLE SHAFT SHREDDER

Inside of MIZAR ASC Series - Double Shaft SHREDDER Uddeholm blades are used. Pieces are cut and screened with knives mounted on the rotor and walls. Pieces come out in the width of the blades with screen. Rotors move independently and movement is provided by electric motor, driven by reducer. In case of any jam, shredder resolve it with rotors turning in opposite directions. After resolving, rotors continue to rotate in the normal direction. If the jam can not be resolved, the machine will sound and stop.



TECHNICAL SPECIFICATIONS

	ASC60	ASC80	ASC120
FEATURE	VALUE	VALUE	VALUE
ENGINE	2x30 kW	2x37 kW	2x55 kW
FEEDING OPENING	800x1200 mm	1100x1600 mm	2200x1400 mm
LENGTH	3.000 mm	3.200 mm	3.600 mm
WIDTH	1.700 mm	1.800 mm	2.000 mm
HEIGHT	2.600 mm	2.800 mm	3.100 mm
WEIGHT	4.700 kg	5.500 kg	7.500 kg

Production capacity per hour varies depending on the type of material to be processed. The manufacturer reserves the right to make any changes.



AC SERIES

SINGLE SHAFT SHREDDER

MIZAR AC Series are designed for reduction with shred all kinds of cables, electronic cards (WEEE), radiators, plastics, woods and tires. The reinforced structure of MIZAR AC shredders are able to absorb any shock and can easily withstand even heavy-duty works. Uddeholm blades provide maximum performance. Continuous feeding of the rotor is performed with the hydraulic push-button connected to the PLC software. The bar and rotor rpm settings can be adjusted simply from the touch-screen control panel according to the material to be processed. If granules are pushed behind of rotor and blades, rotor starts turnabout with smart software and remove problem. Turkish gearbox with oil cooling, water cooling shaft and roller bearings extend the life of the machine. MIZAR AC Series can work single or in combination with MIZAR CU and R Series. It provides perfect service in a smart automatic system with a heavy-type magnetic conveyor band. In MIZAR AC Series, Sweden "SKF" brand heat-resistant bearings are used. All electrical / electronic equipments are "SIEMENS and SCHNEIDER" and hydraulic system is "BOSCH REXROTH". According to product capacities there are four models; AC45, AC60, AC90 and AC120. CE and EAC certificates are available.



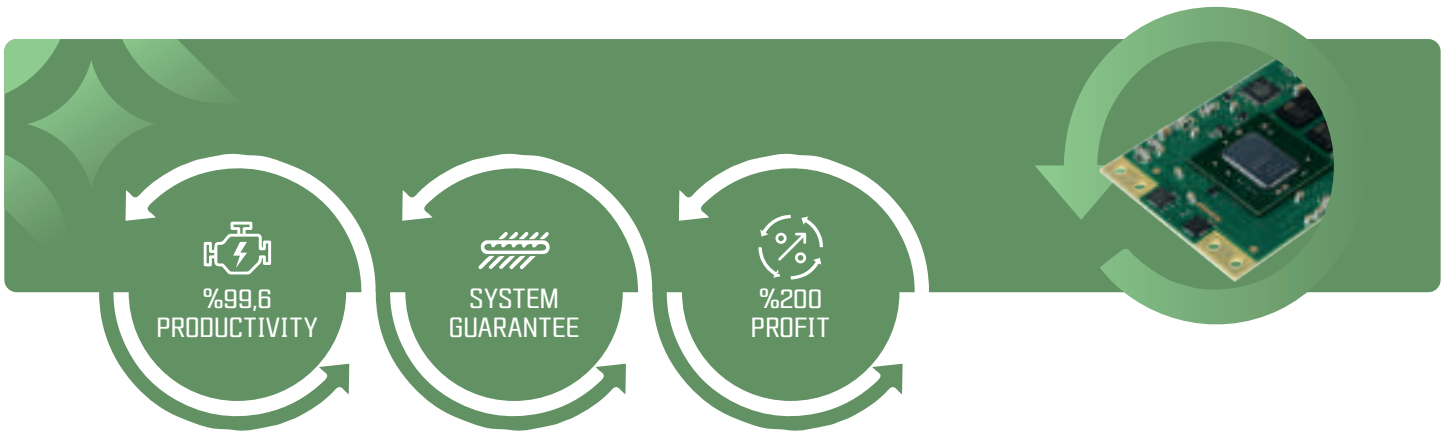
TECHNICAL SPECIFICATIONS

	AC45	AC60	AC90	AC120
FEATURE	VALUE	VALUE	VALUE	VALUE
ENGINE	15 kW	55 kW	75 kW	90 kW
ROTOR DIAMETER	Ø 240	Ø 350	Ø 400	Ø 520
ROTOR LENGTH	450 mm	600 mm	900 mm	1.200
BLADES	29	39	56	68
LENGTH	1.400 mm	1.640 mm	1.850 mm	2.260 mm
WIDTH	895 mm	2.670 mm	2.670 mm	3.000 mm
HEIGHT	1.200 mm	2.170 mm	2.170 mm	2.650 mm
WEIGHT	850 Kg	3.000 Kg	4.750 Kg	5.500 Kg

Production capacity per hour varies depending on the type of material to be processed. The manufacturer reserves the right to make any changes.

SC SERIES

SUPER CRUSHER
Shredder + Granulator



TECHNICAL SPECIFICATIONS

SC80

FEATURE	Shredder	Granulator
	VALUE	VALUE
ENGINE	2 x 7,5 kW	30 kW
BLADE	22	25+3
MACHINE		
LENGTH	3.500 mm	
WIDTH	1.250 mm	
HEIGHT	3.000 mm	
WEIGHT	3.700 kg	
CAPACITY	350 - 500 kg/h	

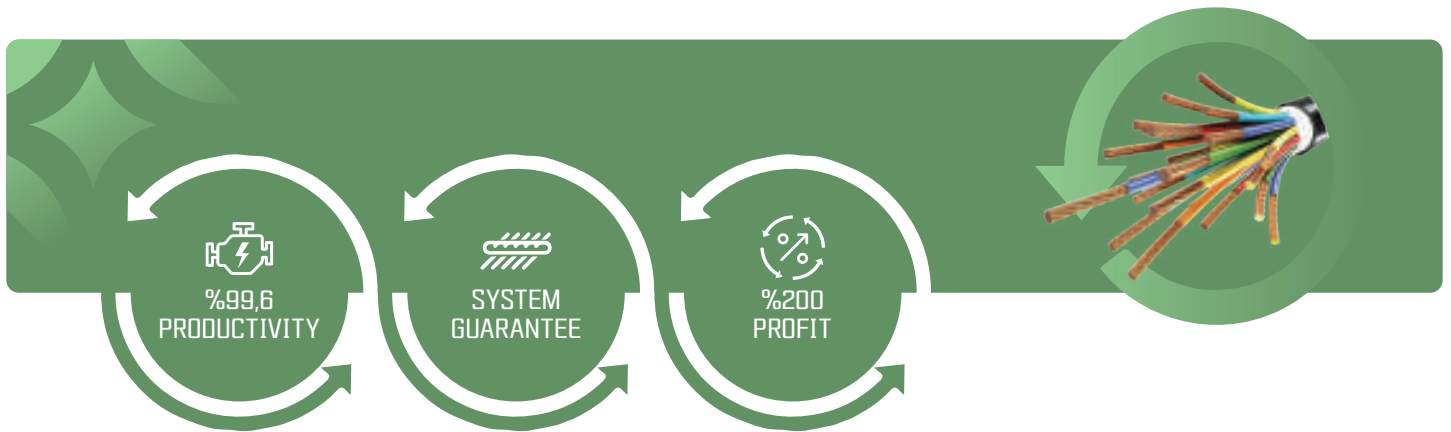
Production capacity per hour varies depending on the type of material to be processed. The manufacturer reserves the right to make any changes.

S SERIES

CABLE STRIPPER MACHINE



MIZAR S series are designed to strip and remove the outer covering material of any cable exposing the internal material. MIZAR cable stripper machine can easily strip and remove the outer covering material of any size cable. Including: Steel Wired Armoured cables (SWA), double steel wired armoured cables, steel tapes, PVC covered cables, lead covered cables, thick rubber covered cables, nylon covered cables, low-grade cables, TT cables and more provide excellent performance. Rotors feed with hydromotors and blades setting supply with hydrolic pistons according to cable of types. With Uddeholm blades, they can shred and strip with longevity. All electrical and electronic components and equipment of MIZAR S series are "SIEMENS and SCHNEIDER". CE and EAC certificates are available.



TECHNICAL SPECIFICATIONS

FEATURE	VALUE
CABLE DIMENSIONS	1-120 mm
CUTTING SPEED	10 Meter / min
ENGINE	5,5 kW
LENGTH	1.350 mm
WIDTH	800 mm
HEIGHT	1.300 mm
WEIGHT	500 Kg

* Production capacity per hour varies depending on the type of material to be processed. The manufacturer reserves the right to make any changes.

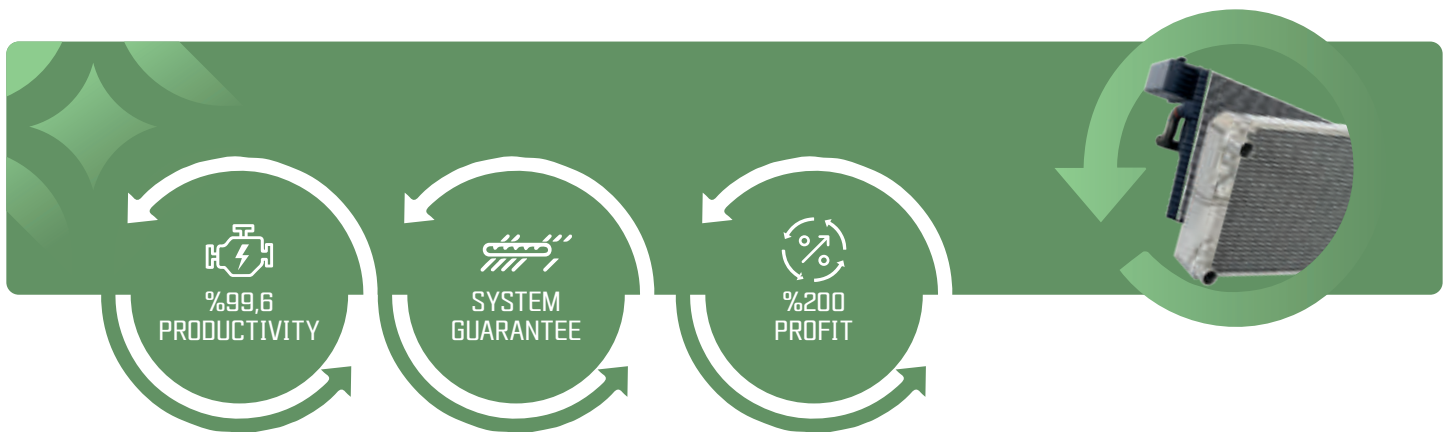


R SERIES

RADIATOR RECYCLING MACHINE



MIZAR R Series are designed to separate any metal content and materials from radiator of all types. MIZAR R Series consist of three main systems of granulation, separation and blower to effectively fragment and dismember 99,6% of metal content and materials from radiators, thus preparing it to be recycled. The machine is fed with the required material manually via a conveyor band or fed with MIZAR AC Series Pre-Shredder fully automatic within smart PLC software. The machine system operates on a single chasis, and is user controlled and navigated via a PLC and simple to use touch-screen control panel. In MIZAR R Series, Sweden "SKF" brand heat-resistant bearings and Uddeholm blades are used. All electrical / electronic equipments are "SIEMENS and SCHNEIDER", hydraulic system is "BOSCH REXROTH". According to the product capacities there are four models; R40, R60, R80 and R120. CE and EAC certificates are available.



TECHNICAL SPECIFICATIONS

	R40	R60	R80	R120
FEATURE	VALUE	VALUE	VALUE	VALUE
ENGINE	22 kW	45 kW	55 kW	90 kW
BLADE	3+2	30+2	40+4	60+4
LENGTH	2.500 mm	4.970 mm	5.280 mm	6.270 mm
WIDTH	2.300 mm	2.000 mm	2.000 mm	2.250 mm
HEIGHT	2.450 mm	2.860 mm	2.860 mm	3.200 mm
WEIGHT	2.700 Kg	3.800 Kg	5.000 Kg	6.500 Kg
CAPACITY	250-400 Kg/h	500-750 Kg/h	750-1.000 Kg/h	1.000-1.500 Kg/h

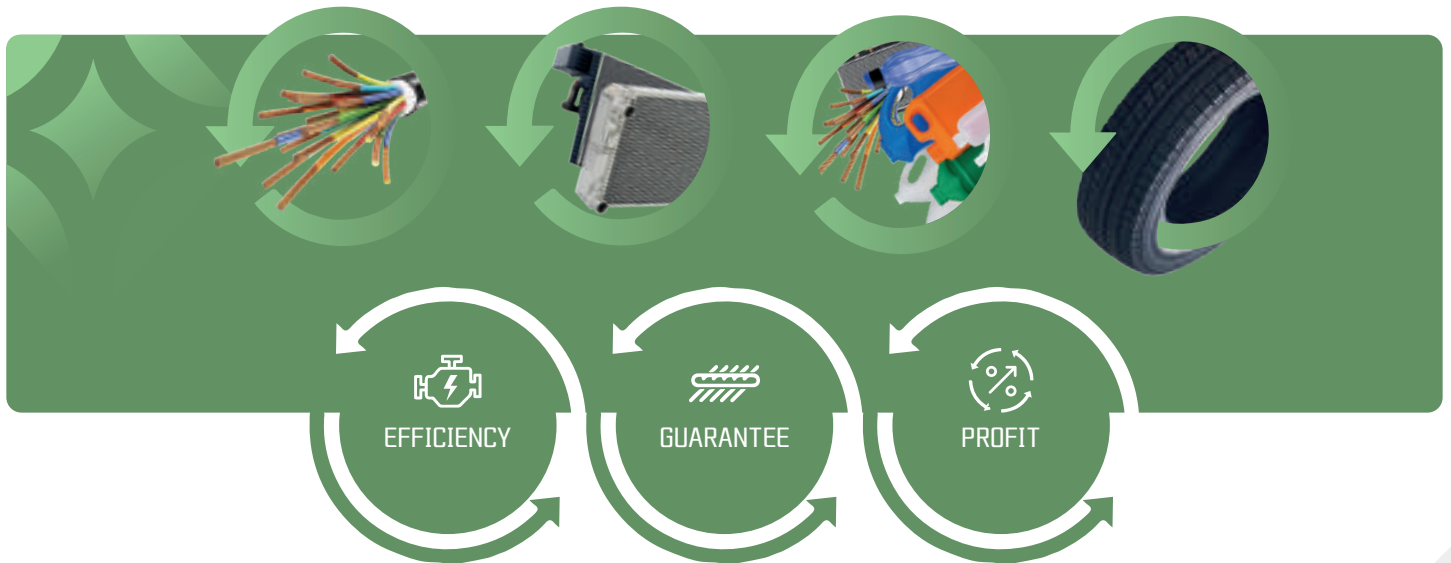
* Production capacity per hour varies depending on the type of material to be processed. The manufacturer reserves the right to make any changes.

G SERIES

GRANULAR MACHINE



MIZAR G Series is designed to convert all kinds of cables, electronic cards (WEEE), radiators, plastics, woods and tires into granules. The fixed blades and moving blades used in MIZAR G Series are made of Uddeholm, Sweden. MIZAR G series work single or combination with other MIZAR series. In MIZAR G Series, Sweden "SKF" brand heat-resistant bearings are used. All electrical / electronic equipments are "SIEMENS and SCHNEIDER" and hydraulic system is "BOSCH REXROTH". According to the product capacities there are three models; G60, G80 and G120. CE and EAC certificates are available.



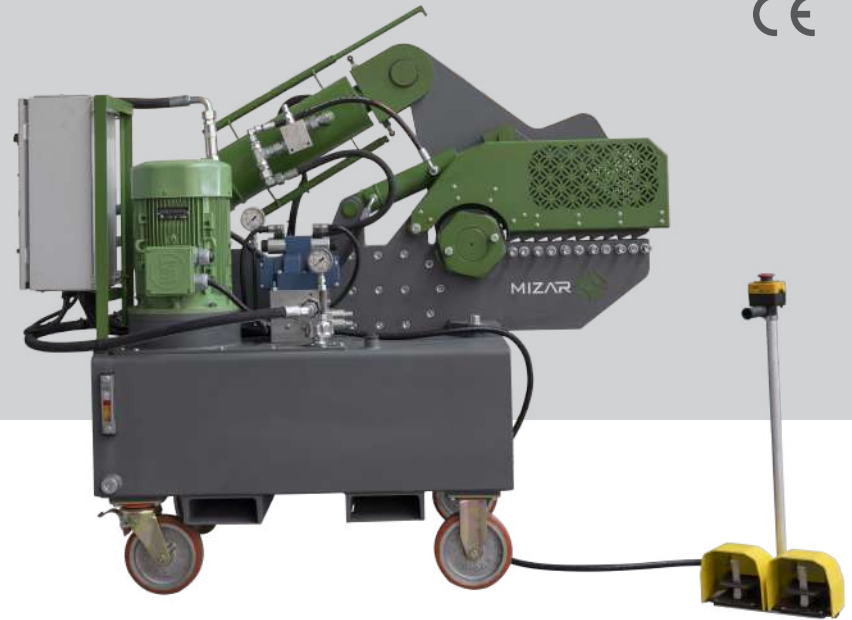
TECHNICAL SPECIFICATIONS

	G60	G80	G120
FEATURE	VALUE	VALUE	VALUE
ENGINE	45 kW	55 kW	90 kW
BLADE	30+2	40+4	60+4
LENGTH	1.500 mm	1.600 mm	1.800 mm
WIDTH	1.380 mm	1.580 mm	1.980 mm
HEIGHT	2.100 mm	2.100 mm	2.300 mm
WEIGHT	3.100 Kg	3.600 Kg	4.400 Kg
CAPACITY	500-750 kg/h	750-1.000 kg/h	1.000-1.500 Kg/h

* Production capacity per hour varies depending on the type of material to be processed. The manufacturer reserves the right to make any changes.

AS SERIES

ALLIGATOR SHEARS



MIZAR AS Series, alligator shears are designed to cut all kinds of scrap with hydraulic force. Steel, aluminum, copper, zinc, lead, etc. are the most common used materials for cutting. For longevity performance, the cylinder rods, which are especially "hard chrome plated" for resistance against any damage, are induction hardened in order to maintain the maximum strength. In MIZAR AS Series, Uddeholm blades and "BOSCH REXROTH" hydraulic system are preferred. All electrical / electronic equipments are "SIEMENS and SCHNEIDER". There is no welding on its body. CE and EAC certificate is available.



TECHNICAL SPECIFICATIONS

FEATURE	VALUE
BLADE LENGHT	400 mm
CUTTING SPEED	15 - 20 cuts / min.
CUTTING FORCE	100 Tons
PRESSURE	160 bar
MOTOR	7,5 kW
LENGTH	1.800 mm
WIDTH	900 mm
HEIGHT	1.500 mm
WEIGHT	1.150 Kg

* Production capacity per hour varies depending on the type of material to be processed. The manufacturer reserves the right to make any changes.



TURNKEY SYSTEMS



MIZAR Semi - Full Automatic Plants, are designed according to the customer needs, in terms of model and positioning. Complete systems combined with professional MIZAR Series and Equipments to provide maximum efficiency. MIZAR offers the possibility of manufacturing a complete tailored system and assured turnkey project, with a variable capacity of infeed materials, starting from 500 kg/h up to 1.500 kg/h.





**%99,6
PRODUCTIVITY**



**SYSTEM
GUARANTEE**



**%200
PROFIT**

PERFECT SYSTEMS

RECYCLING TECHNOLOGIES



ISO
9001:2015
Quality
Management

ISO
14001:2015
Environmental
Management

ISO 45001
Occupational
Health and Safety
Management

ISO/IEC
27001
Information Security
Management



📍 Fevzi Çakmak Mh. 10753 Sk.
No: 38C Karatay - Konya / TÜRKİYE

☎ +90 332 501 26 26

📠 +90 537 520 35 34

✉ sales@mizar.com.tr

MIZAR