

RECYCLING MACHINERY

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MIZAR





About Us

Mizar Makina 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.

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

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.



Lines



Compact Series

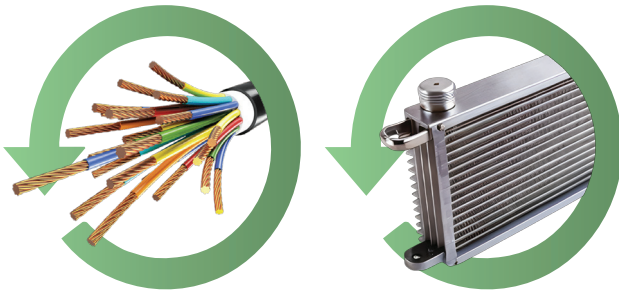
CMT Cable Recycling Machine is designed for efficient recovery of copper from low and medium-volume cable waste, with a strong focus on purity, energy efficiency, and compact design.

The system combines precise granulation with an integrated Turbo Mill, specifically developed to fully liberate fine copper wires from plastic insulation. This ensures cleaner separation and higher copper purity, even when processing thin, flexible, or mixed cables.

With a processing capacity of up to 150 kg/h, CMT is an ideal solution for workshops, small recycling facilities, and manufacturers looking to recover their own copper efficiently without investing in large-scale plants.

Thanks to its compact footprint, the machine can be easily installed in limited spaces. Low energy consumption, simplified maintenance, and stable performance make CMT a cost-effective and reliable entry-level recycling solution with a fast return on investment.

Technical Specification



**The capacities provided are approximate and may vary. Actual performance depends on cable type, operator use, and installation conditions. Results may differ, and no guarantee of exact capacity is implied.

CMT A	
FEATURE	VALUE
TOTAL POWER	14 kW / 19 HP
GRANULATOR MOTOR	7.5 kW / 10.1 HP
TURBO MILL POWER	1.5 kW / 2 HP
BLADE QUANTITY	3+2
OVERALL LENGTH	1.300 mm / 51.1"
OVERALL WIDTH	1.500 mm / 59"
OVERALL HEIGHT	2.140 mm / 84.2"
OVERALL WEIGHT	1.380 kg / 3,040 lb
APPROXIMATE CAPACITY	Up to 150 kg/h / Up to 300 lb/h



Lines



Eco Series

ERP Series – Eco Recycling Plant is Mizar’s energy-efficient cable recycling solution, engineered for high recovery rates and consistent material purity in a compact, scalable design.

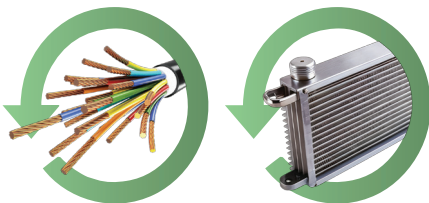
Centered on the FGR Fine Granulator and DES Densimetric Separator, the ERP Series delivers complete copper liberation and precise separation of metal and plastic fractions, even with fine and mixed cable materials.

Optimized material flow, controlled air circulation, and an efficient drive system ensure low energy consumption and stable output quality. Its compact structure allows standalone operation or easy integration into larger recycling lines.

The system is operated via a PLC-controlled touch-screen interface, enabling real-time monitoring with reduced operator dependency. All components are CE-certified and built with industrial-grade materials for durability and low maintenance.

Available in S, M, L, and XL models with capacities up to 2,000 kg/h, the ERP Series offers a flexible and future-ready solution for professional recycling operations.

Technical Specification



**The capacities provided are approximate and may vary. Actual performance depends on cable type, operator use, and installation conditions. Results may differ, and no guarantee of exact capacity is implied.

	ERP S	ERP M	ERP L	ERP XL
FEATURE	VALUE	VALUE	VALUE	VALUE
GRANULATOR POWER	15 kW / 20.1 HP	30 kW / 40.2 HP	45 kW / 60.3 HP	75 kW / 101.9 HP
ROTOR DIAMETER	350 mm / 13.7"	350 mm / 13.7"	350 mm / 13.7"	350 mm / 13.7"
ROTOR LENGTH	400 mm / 15.7"	800 mm / 31.5"	1.200 mm / 47.2"	1.600 mm / 62.9"
BLADE QUANTITY	7+2	14+4	21+6	28+8
SEPARATOR POWER	15 kW / 20.1 HP	20 kW / 26.8 HP	27 kW / 36.2 HP	27 kW / 36.2 HP
TABLE AREA	0.85 m² / 9.1 ft²	1.5 m² / 16.1 ft²	3.3 m² / 35.5 ft²	3.3 m² / 35.5 ft²
APPROX. CAPACITY	Up to 400 kg/h	Up to 800 kg/h	Up to 1300 kg/h	Up to 2000 kg/h
APPROX. CAPACITY	Up to 900 lb/h	Up to 1800 lb/h	Up to 2900 lb/h	Up to 4400 lb/h



Lines



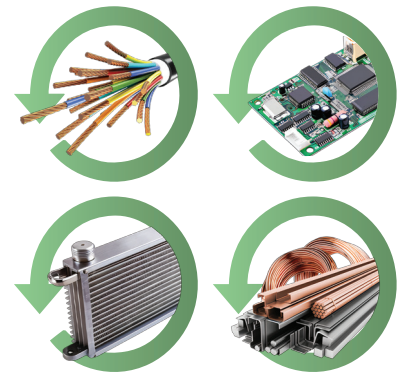
Pro Series

PRP Series – Pro Recycling Plant is Mizar’s heavy-duty cable recycling line developed for professional recycling facilities, delivering stable operation and maximum metal recovery.

The line features an integrated and modular process consisting of a Single Shaft Shredder, Overbelt Magnetic Separator, Fine Granulator, Zigzag Separator, Turbo Mill, Densimetric Separator, and Dust Collector, ensuring high-purity metal separation.

The PRP Series provides consistent performance even with mixed and challenging cable materials. Its independent machine structure allows flexible configuration and easy maintenance.

Operated via a PLC-controlled system, the PRP Series is available in S, M, L, and XL configurations with capacities of up to 2,000 kg/h, making it a scalable solution for medium to large-scale recycling operations.



Technical Specification

PRP S		PRP M		PRP L		PRP XL	
MACHINES	VALUE	MACHINES	VALUE	MACHINES	VALUE	MACHINES	VALUE
SSH S - SINGLE SHAFT SHREDDER	17 kW / 22.7 HP	SSH M - SINGLE SHAFT SHREDDER	35 kW / 46.9 HP	SSH L - SINGLE SHAFT SHREDDER	50 kW / 67 HP	SSH XL - SINGLE SHAFT SHREDDER	90 kW / 122.3 HP
OMS A - MAGNETIC SEPARATOR	0.25 kW / 0.3 HP	OMS A - MAGNETIC SEPARATOR	0.25 kW / 0.3 HP	OMS A - MAGNETIC SEPARATOR	0.25 kW / 0.3 HP	OMS A - MAGNETIC SEPARATOR	0.25 kW / 0.3 HP
FGR S - FINE GRANULATOR	15 kW / 20.1 HP	FGR M - FINE GRANULATOR	30 kW / 40.2 HP	FGR L - FINE GRANULATOR	45 kW / 60.3 HP	FGR XL - FINE GRANULATOR	75 kW / 101.9 HP
ZZS S - ZIGZAG SEPARATOR	9 kW / 12.2 HP	ZZS M - ZIGZAG SEPARATOR	14 kW / 19.0 HP	ZZS L - ZIGZAG SEPARATOR	18 kW / 24.4 HP	ZZS L - ZIGZAG SEPARATOR	18 kW / 24.4 HP
TRM S - TURBO MILL	15 kW / 20.1 HP	TRM M - TURBO MILL	30 kW / 40.2 HP	TRM L - TURBO MILL	45 kW / 60.3 HP	TRM XL - TURBO MILL	75 kW / 101.9 HP
DES S - DENSIMETRIC SEPARATOR	15 kW / 20.1 HP	DES M - DENSIMETRIC SEPARATOR	20 kW / 26.8 HP	DES L - DENSIMETRIC SEPARATOR	27 kW / 36.2 HP	DES L - DENSIMETRIC SEPARATOR	27 kW / 36.2 HP
DTF A - DUST COLLECTOR	3 kW / 4 HP	DTF A - DUST COLLECTOR	3 kW / 4 HP	DTF A - DUST COLLECTOR	3 kW / 4 HP	DTF A - DUST COLLECTOR	3 kW / 4 HP
APPROX. CAPACITY	Up to 400 kg/h	APPROX. CAPACITY	Up to 800 kg/h	APPROX. CAPACITY	Up to 1300 kg/h	APPROX. CAPACITY	Up to 2000 kg/h
APPROX. CAPACITY	Up to 900 lb/h	APPROX. CAPACITY	Up to 1800 lb/h	APPROX. CAPACITY	Up to 2900 lb/h	APPROX. CAPACITY	Up to 4400 lb/h

**The capacities provided are approximate and may vary. Actual performance depends on cable type, operator use, and installation conditions. Results may differ, and no guarantee of exact capacity is implied.



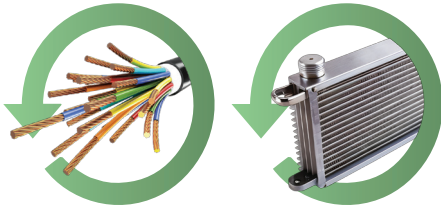
Lines



Classic Series

The CUA Series efficiently separates the internal and external components of cables for recycling. The integrated system, consisting of granulation, separation, and fan units, effectively shreds and separates 99.6% of cable components. Materials can be fed manually via a conveyor belt or automatically with the SSH Series Pre-Shredding Machine equipped with smart PLC software. Its compact structure and user-friendly PLC touch-screen control panel make management easy. The CUA Series enhances durability with high-quality components and is CE-certified. Available in three models: CUA S, CUA M, and CUA L.

Technical Specification



	CUA S	CUA M	CUA L
FEATURE	VALUE	VALUE	VALUE
TOTAL POWER	40 kW / 53.6 HP	80 kW / 107.2 HP	120 kW / 160.9 HP
GRANULATOR MOTOR	30 kW / 40.2 HP	55 kW / 73.7 HP	90 kW / 120.6 HP
BLADE QUANTITY	3+2	40+4	60+6
OVERALL LENGTH	2.500 mm / 98.4"	5.280 mm / 207.8"	6.270 mm / 246.8"
OVERALL WIDTH	2.300 mm / 90.5"	2.000 mm / 78.7"	2.250 mm / 88.5"
OVERALL HEIGHT	2.450 mm / 96.4"	2.860 mm / 112.5"	3.200 mm / 125.9"
OVERALL WEIGHT	2.700 kg / 5,950 lb	5.000 kg / 11,020 lb	6.500 kg / 14,330 lb
APPROXIMATE CAPACITY	Up to 400 kg/h	Up to 800 kg/h	Up to 1300 kg/h
APPROXIMATE CAPACITY	Up to 900 lb/h	Up to 1800 lb/h	Up to 2900 lb/h

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Shredders

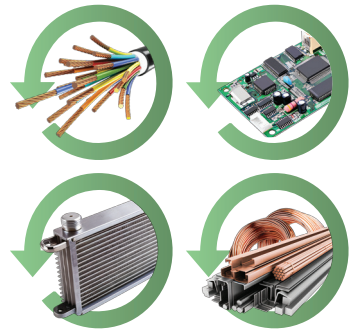


Single Shaft Shredders

The SSH Series shredders are designed to efficiently shred various wastes such as cables, radiators, electronic boards, wood, plastics, and tires using customized blades on a single rotating shaft. A programmable hydraulic pusher ensures continuous feeding of the rotor. In case of a jam, the rotor reverses direction, allowing the cutting process to continue uninterrupted.

The size of the shredded material is determined by a screen located beneath the rotor. The material stays in the shredder until it reaches the desired size and then exits through the screen.

SSH Series shredders use world-class brands for complementary components equivalent to our quality standards. Depending on production capacity, the SSH S, SSH M, SSH L and SSH XL models are CE-certified

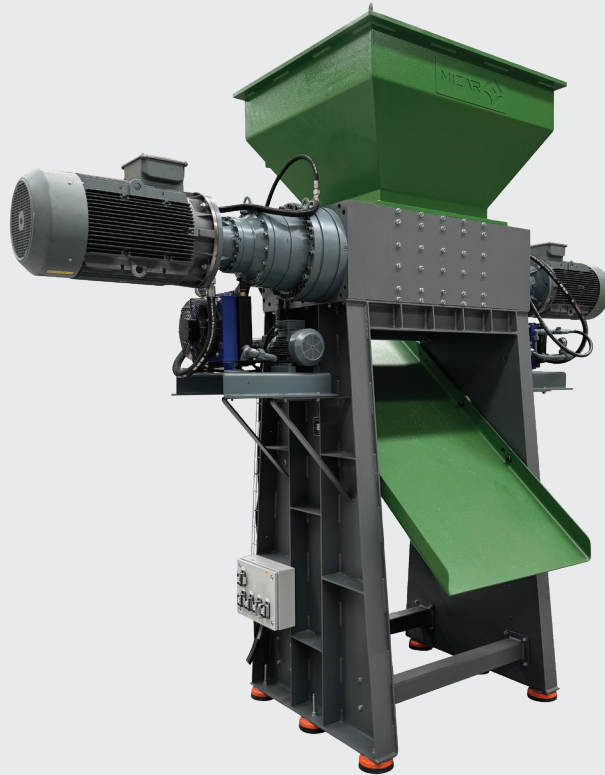


Technical Specification

	SSH S	SSH M	SSH L	SSH XL
FEATURE	VALUE	VALUE	VALUE	VALUE
TOTAL POWER	17 kW / 22.8 HP	35 kW / 46.9 HP	50 kW / 67 HP	90 kW / 122.3 HP
ROTOR DIAMETER	240 mm / 9.4"	350 mm / 13.7"	350 mm / 13.7"	520 mm / 20.4"
ROTOR LENGTH	430 mm / 16.9"	620 mm / 24.4"	920 mm / 36"	1200 mm / 47.2"
BLADE QUANTITY	27+20	24+18	36+26	48+34
BLADE DIMENSION	30x30mm / 1.1"x1.1"	50x50mm / 1.9"x1.9"	50x50mm / 1.9"x1.9"	50x50mm / 1.9"x1.9"
OVERALL LENGTH	1.400 mm / 55.1"	1.460 mm / 57.4"	1.850 mm / 72.8"	2.260 mm / 88.9"
OVERALL WIDTH	900 mm / 35.4"	1.950 mm / 76.7"	2.670 mm / 105.1"	3.000 mm / 118.1"
OVERALL HEIGHT	1.200 mm / 47.2"	1.800 mm / 70.8"	2.170 mm / 85.4"	2.650 mm / 104.3"
OVERALL WEIGHT	850 kg / 1,870 lb	2.800 kg / 6,170 lb	4.750 kg / 10,470 lb	5.550 kg / 12,125 lb



Shredders



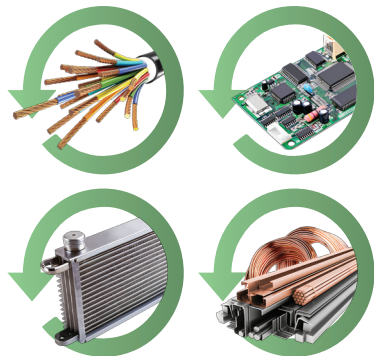
Double Shaft Shredder

DSH Series Shredders are designed to shred large volumes of durable materials using customized blades mounted on two parallel shafts. The rotors move independently, driven by a planetary gearbox powered by an electric motor.

The double-shaft rotor offers an effective solution for recycling metal scraps, plastics, wood, and other tough materials. Its strong structure and synchronized dual-shaft blades provide long-lasting, reliable performance even in heavy-duty applications.

Like the SSH Series, DSH Series shredders use world-class brands for complementary components, maintaining the same high-quality standards. Models are available in DSH S, DSH M, and DSH L versions, all CE-certified.

Technical Specification



	DSH S	DSH M	DSH L
FEATURE	VALUE	VALUE	VALUE
TOTAL POWER	2x15 kW / 2x20.1 HP	2x30 kW / 2x40.2 HP	2x45 kW / 2x60.4 HP
ROTOR LENGTH	520 mm / 20.4"	770 mm / 30.3"	1.080 mm / 42.5"
BLADE THICKNESS	45 mm / 1.7"	75 mm / 3"	75 mm / 3"
OVERALL LENGTH	2.620 mm / 103.1"	3.860 mm / 152.0"	4.400 mm / 173.2"
OVERALL WIDTH	1.050 mm / 41.3"	1.200 mm / 47.2"	1.440 mm / 56.7"
OVERALL HEIGHT	2.700 mm / 106.3"	3.000 mm / 118.1"	3.000 mm / 118.1"
OVERALL WEIGHT	2.600 kg / 5,730 lb	5.500 kg / 12,130 lb	6.500 kg / 14,330 lb



Granulators



Multi Destroyer

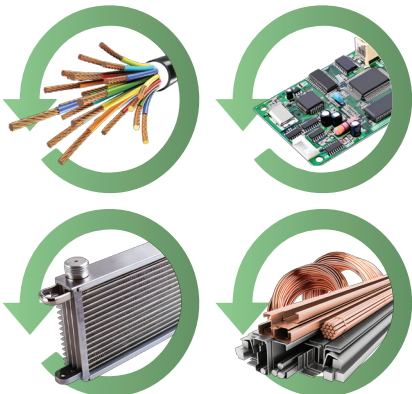
The Multi Destroyer is a machine specially designed for crushing PCB (Printed Circuit Board). The double-shaft shredder located at the top effectively breaks down PCB and feeds them into the granulator below. The granulator converts the shredded material into fine granules, making it easier to recycle and reuse.

The double-shaft shredder uses special blades made of wear-resistant steel, offering maximum durability and performance. The feed rate of the material can be easily adjusted via a user-friendly control panel. The granulator is optimized for high efficiency, ensuring the final product is of the desired size.

The Multi Destroyer uses a jet filter to minimize dust formation, ensuring a cleaner and safer working environment. This feature is especially important in sensitive recycling processes.

The Multi Destroyer is an ideal solution for PCB recycling, meeting industry demands with its high performance. Its superior engineering design ensures the machine is long-lasting and durable.

Technical Specification



MUD A	
FEATURE	VALUE
SHREDDER POWER	2x7.5 kW / 2x10.0 HP
GRANULATOR POWER	22 kW / 29.5 HP
OVERALL LENGTH	2.500 mm / 98.4"
OVERALL WIDTH	1.200 mm / 47.2"
OVERALL HEIGHT	2.080 mm / 81.8"
OVERALL WEIGHT	3.700 kg / 8,160 lb



Granulators



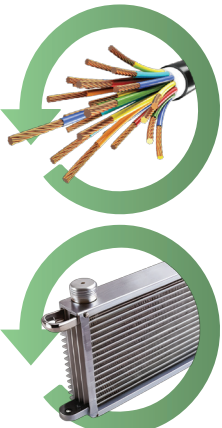
Fine Granulators

Mizar Recycling Machine's granulators provide high performance in industrial waste processing and recycling processes. These granulators are designed to efficiently grind and granulate various materials. With superior crushing capacity and fast processing times, they can effectively handle challenging materials such as metal cables, plastics, and electronic waste. The use of durable materials and wear-resistant blades ensures long-lasting and reliable performance. Prioritizing energy efficiency, they deliver high processing efficiency with low energy consumption, reducing energy costs.

The PLC-controlled automation systems ensure precise and easy management of the machine, with user-friendly interfaces and advanced control systems that allow continuous performance monitoring. Safety is a priority, with emergency stop systems and safety applications ensuring a secure working environment.

Mizar Recycling Machine's granulators offer a wide range of applications, from recycling lines to scrap waste management, making them an excellent solution for your industrial recycling needs.

Technical Specification



	FGR S	FGR M	FGR L	FGR XL
FEATURE	VALUE	VALUE	VALUE	VALUE
TOTAL POWER	15 kW / 20.1 HP	30 kW / 40.2 HP	45 kW / 60.3 HP	75 kW / 60.3 HP
ROTOR DIAMETER	350 mm / 13.7"	350 mm / 13.7"	350 mm / 13.7"	350 mm / 13.7"
ROTOR LENGTH	400 mm / 15.7"	800 mm / 31.5"	1.200 mm / 47.2"	1.600 mm / 47.2"
BLADE QUANTITY	7+2	14+4	21+6	28+8
OVERALL LENGTH	800 mm / 31.5"	1.200 mm / 47.2"	1.600 mm / 63.2"	1.600 mm / 63.2"
OVERALL WIDTH	1.400 mm / 55.1"	1.480 mm / 58.2"	1.580 mm / 62.2"	1.580 mm / 62.2"
OVERALL HEIGHT	2.000 mm / 78.7"	2.000 mm / 78.7"	2.000 mm / 78.7"	2.000 mm / 78.7"
OVERALL WEIGHT	1.400 kg / 3,090 lb	2.200 kg / 4,850 lb	2.800 kg / 6,170 lb	2.800 kg / 6,170 lb



Mills

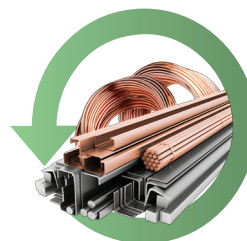
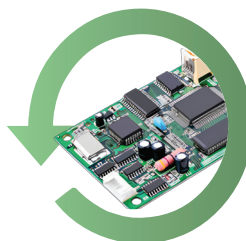


Turbo Mill

The TRM Series Turbo Mills is an advanced grinding system used primarily in the recycling of electronic boards and cables for the effective crushing and grinding of these materials. Plastics, metals, and other components found in electronic boards and cables are reduced to fine particles and transformed into recyclable raw materials thanks to this machine. With its high-speed rotors, the Turbo Mill carries out the grinding process, reducing materials to micron sizes through friction and impact forces.

Technical Specification

	TRM S	TRM M	TRM L	TRM XL
FEATURE	VALUE	VALUE	VALUE	VALUE
TOTAL POWER	15 kW / 20.1 HP	30 kW / 40.2 HP	45 kW / 60.3 HP	75 kW / 101.9 HP
ROTOR DIAMETER	480 mm / 18.8"	480 mm / 18.8"	620 mm / 24.4"	620 mm / 24.4"
OVERALL LENGTH	1.420 mm / 56"	1.680 mm / 66.1"	1.790 mm / 70.5"	1.950 mm / 76.7"
OVERALL WIDTH	700 mm / 27.5"	820 mm / 32.2"	940 mm / 37"	950 mm / 37.4"
OVERALL HEIGHT	700 mm / 27.5"	920 mm / 36.2"	1.040 mm / 40.9"	950 mm / 37.4"
OVERALL WEIGHT	660 kg / 1,455 lb	870 kg / 1,920 lb	1.000 kg / 2,205 lb	1.700 kg / 3,750 lb





Mills



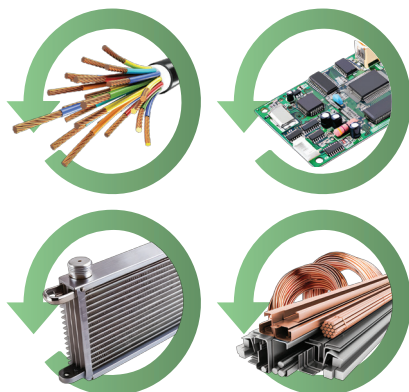
Hammer Mill

The Hammer Mill is an innovative and robust grinding machine designed for various applications in the recycling and processing industries. Engineered for efficiency, this mill utilizes high-speed rotating hammers to crush, grind, and pulverize a wide range of materials, including plastics, wood, and agricultural products.

Its versatile design allows for easy adjustments to accommodate different materials and desired particle sizes, making it suitable for a variety of recycling operations. The Hammer Mill's durable construction ensures long-lasting performance and minimal maintenance, enabling consistent production and high throughput.

Enhance your processing capabilities with the Hammer Mill—an essential tool for any facility looking to improve efficiency and maximize output.

Technical Specification



	HMR S	HMR M	HMR L
FEATURE	VALUE	VALUE	VALUE
TOTAL POWER	37 kW / 49.6 HP	55 kW / 73.7 HP	75 kW / 100.5 HP
HAMMER QUANTITY	12	16	24
CRUSHING CHAMBER	600 mm / 23.6"	800 mm / 31.5"	1000 mm / 39.3"
HAMMER & FIXED BLADES	Hardox 500	Hardox 500	Hardox 500
OVERALL LENGTH	1.400 mm / 55.1"	1.600 mm / 63.7"	1.800 mm / 70.8"
OVERALL WIDTH	1.600 mm / 63.7"	1.800 mm / 70.8"	2.000 mm / 78.7"
OVERALL HEIGHT	2.200 mm / 86.6"	1.500 mm / 59"	2.800 mm / 110.2"
OVERALL WEIGHT	2.800 kg / 6,170 lb	3.600 kg / 7,940 lb	4.500 kg / 9,920 lb
WEIGHT	2800 kg	3600 kg	4500 kg



Sorting
Equipment

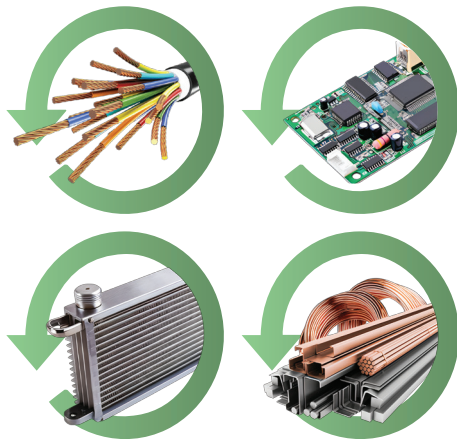


Densimetric Separators

Mizar Densimetric Separators efficiently separate materials based on their density differences. This technology is ideal for separating materials of different densities in recycling processes, offering superior performance, especially in applications where metals and plastics need to be separated.

The DES Series is equipped with precise adjustment mechanisms and high-performance fan systems, optimized down to the finest detail. As a result, low-density materials collect at the back, while high-density materials like copper accumulate at the front, ensuring effective separation. In addition to energy efficiency and low operating costs, the automation systems and user-friendly control panels make the processes easy to manage.

Technical Specification



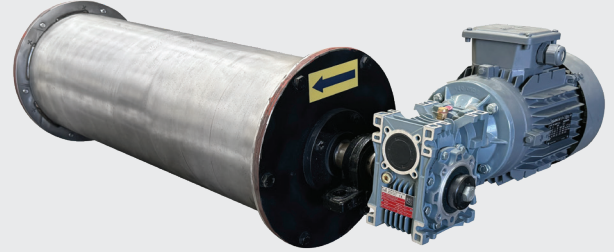
	DES S	DES M	DES L
FEATURE	VALUE	VALUE	VALUE
TOTAL POWER	15 kW / 20.1 HP	20 kW / 26.8 HP	27 kW / 36.2 HP
TABLE AREA	0.85 m ² / 9.1 ft ²	1.5 m ² / 16.1 ft ²	3.3 m ² / 35.5 ft ²
OVERALL LENGTH	2.280 mm / 89.7"	2.350 mm / 92.5"	2.500 mm / 98.4"
OVERALL WIDTH	1.090 mm / 42.9"	1.570 mm / 61.8"	1.970 mm / 77.6"
OVERALL HEIGHT	3.920 mm / 154.3"	3.970 mm / 156.3"	4.020 mm / 158.2"
OVERALL WEIGHT	900 kg / 1,990 lb	1.200 kg / 2,650 lb	1.350 kg / 2,982 lb



Sorting
Equipment



Sorting
Equipment



Overbelt Magnetic Separator

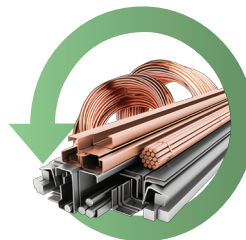
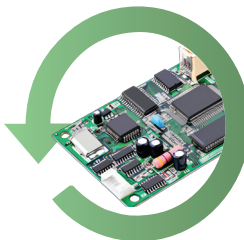
Designed to effectively remove unwanted metals such as iron and steel before the granulation process, magnetic blocks attract and remove metal pieces as the materials pass underneath, preserving product purity and protecting machines from iron-based residues. Mizar's OMS Series magnetic separators offer durability and high performance in continuous operations, providing a reliable solution for industries.

	OMS A
FEATURE	VALUE
MAGNET	Neodymium N52
MAGNET CORE STRENGTH	7,000 Gauss / 0.7 T
SURFACE MAGNETIC FIELD	25 m/min / 82 ft/min
EFFECTIVE DISTANCE	120 mm / 4.7"
OUTHER SURFACE	AISI 304

Magnetic Drum Separators

Mizar's semi-magnetic drum separators provide ideal solutions for separating iron-based metals from bulk materials and transported products. Easy to use and maintain, the MDS Series offers energy efficiency with low operating costs.

	MDS A
FEATURE	VALUE
INTERNAL MAGNETISM	13,000 Gauss / 1.3 T
SURFACE MAGNETISM	4,000-5,000 Gauss / 0.4-0.5 T
MATERIAL	AISI304 Stainless Steel





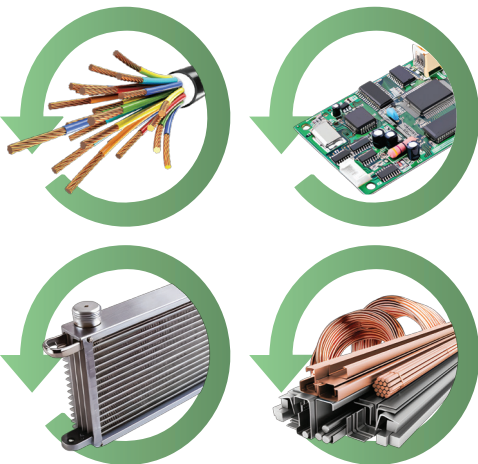
Sorting
Equipment



Zigzag Separator

The Zigzag Separator works based on weight differences. This highly efficient separator uses airflow to separate materials by weight. The zig-zag design extends the fall path of materials, providing a more homogeneous and accurate separation process. It is ideal for separating materials such as plastics and light metals from metal scraps. Our machine is designed to be integrated into production lines, offering maximum performance with low energy consumption. Additionally, its compact structure allows it to operate with minimal space requirements. The Zigzag Separator provides an eco-friendly solution with high efficiency and low operating costs, optimizing your recycling process.

Technical Specification



	ZZS S	ZZS M	ZZS L
FEATURE	VALUE	VALUE	VALUE
TOTAL POWER	9 kW / 14.7 HP	14 kW / 22.7 HP	18 kW / 40.2 HP
OVERALL LENGTH	2.000 mm / 78.7"	2.000 mm / 78.7"	2.000 mm / 78.7"
OVERALL WIDTH	1.250 mm / 49.2"	1.250 mm / 49.2"	1.250 mm / 49.2"
OVERALL HEIGHT	4.000 mm / 157.4"	4.180 mm / 164.6"	4.300 mm / 169.3"
OVERALL WEIGHT	600 kg / 1,320 lb	700 kg / 1,540 lb	800 kg / 1,760 lb



Sorting
Equipment



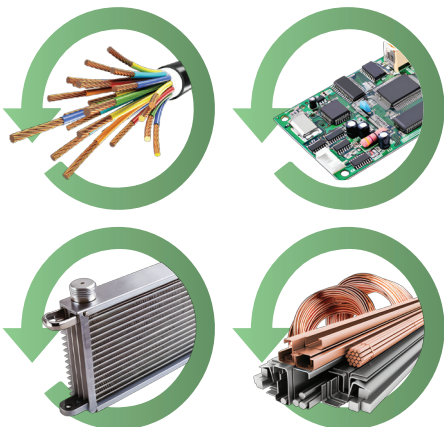
Electrostatic Separator

The Electrostatic Separator is a high-performance machine crafted to precisely separate fine materials from mixed recycling streams. By utilizing electrostatic charging, it efficiently distinguishes between conductive and non-conductive particles, making it ideal for handling complex materials like plastics, metals, and minerals. This advanced technology ensures high material purity, significantly enhancing the quality and value of recovered products.

With customizable operating parameters, the Electrostatic Separator provides the flexibility needed to process diverse material types and compositions, accommodating specific recycling needs. Its robust, energy-efficient design makes it a reliable choice for recycling plants looking to boost separation efficiency and reduce costs. Particularly suited for the final stages of recycling, it ensures high purity for downstream applications.

Built with durability and operator safety in mind, the Electrostatic Separator features intuitive controls and a low-maintenance setup, guaranteeing consistent performance and optimal resource recovery with minimal waste.

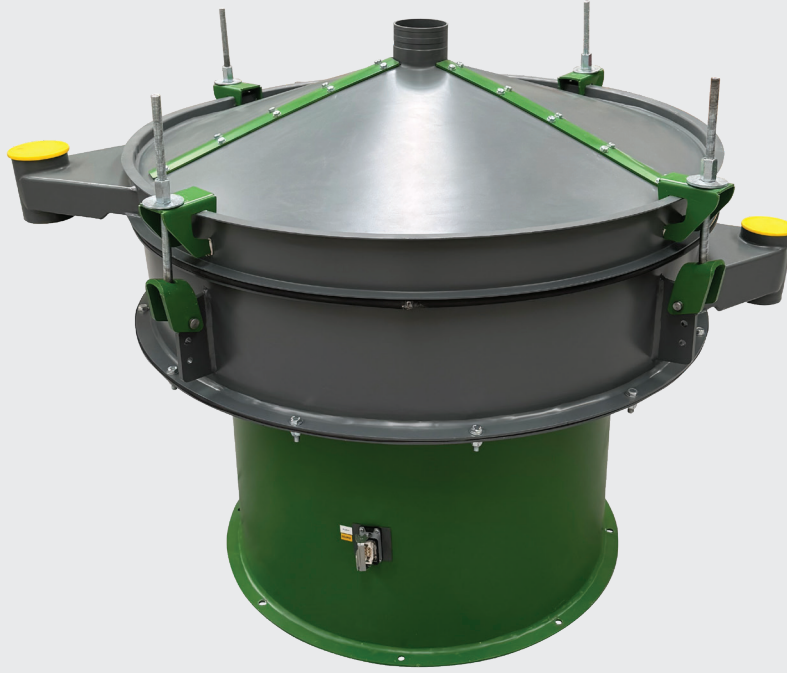
Technical Specification



ESP A	
FEATURE	VALUE
DRUM LENGTH	1.300 mm / 51.1"
DRUM DIAMETER	370 mm / 14.6"
HEATHER (4 UNITS)	1 kW / 1.3 HP each
DRUM MOTORS (2 UNITS)	1.1 kW / 1.4 HP each
FEEDING SCREW CONVEYOR	1.5 kW / 2 HP, with Speed Controller
VIBRATION MOTOR	0.37 kW / 0.4 HP, with Speed Controller



Sorting
Equipment



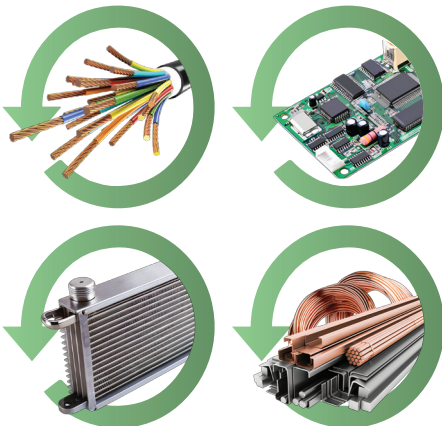
Circular Vibrating Sieve

The Circular Vibrating Sieve is an essential piece of equipment designed for precise material separation in various industries, including recycling, mining, and construction. This sieve utilizes a circular motion to efficiently screen and classify materials, ensuring uniform particle sizes and improved product quality. Its robust design enables it to handle a wide range of materials, from fine powders to coarse aggregates.

Equipped with adjustable vibration settings, the Circular Vibrating Sieve allows for customization based on specific material characteristics and separation requirements. The sieve's high throughput capacity and low maintenance needs make it a reliable choice for operations looking to enhance efficiency and productivity.

Safety features are integrated into the design, ensuring a secure working environment for operators. The Circular Vibrating Sieve is an ideal solution for facilities aiming to optimize material handling processes and achieve superior separation results.

Technical Specification



	CVS S	CVS M	CVS L
FEATURE	VALUE	VALUE	VALUE
TOTAL POWER	1 kW / 1.3 HP	1 kW / 1.3 HP	1 kW / 1.3 HP
DIAMETER	800 mm / 31.4"	1.200 mm / 47.2"	1.400 mm / 55.1"
OVERALL HEIGHT	905 mm / 35.6"	905 mm / 35.6"	905 mm / 35.6"
OVERALL WEIGHT	350 kg / 770 lb	400 kg / 880 lb	500 kg / 1100 lb



Additional
Equipment



Cable Stripping Machine

The CBR A Cable Stripping Machine is specially designed to strip the outer insulation material from cables of all sizes, making it easy to remove the conductive material inside. This series offers superior performance on steel-armored cables (SWA), double steel-armored cables, steel tapes, PVC-coated cables, lead-coated cables, thick rubber-coated cables, nylon-coated cables, low-grade cables, TT cables, and more. Specially processed blades with unique designs allow cables of any length to be cut and stripped for a long time without dulling the blades. All electrical and electronic components in the CBR A Series are Siemens brand. Our products are manufactured and certified in accordance with CE and EAC standards.

Technical Specification



	CBR A
FEATURE	VALUE
TOTAL POWER	5.5 kW / 7.3 HP
CABLE DIMENSIONS	1-120 mm / 0.0"-4.7"
CUTTING SPEED	25 m/min / 82.0 ft/min
OVERALL LENGTH	1.240 mm / 48.8"
OVERALL WIDTH	780 mm / 30.7"
OVERALL HEIGHT	1.330 mm / 52.3"
OVERALL WEIGHT	480 kg / 1,060 lb



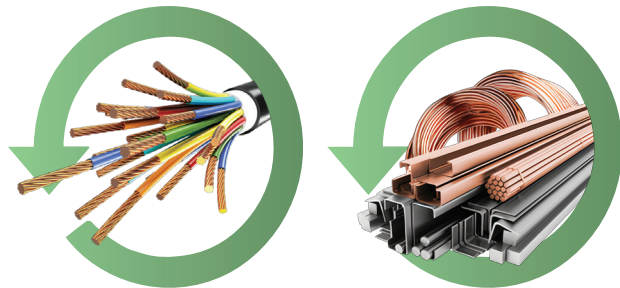
Additional
Equipment



Alligator Shears

MIZAR ALS is designed for the hydraulic cutting of scrap cables and metals. The surface of the cylinder shafts is induction-hardened and chrome-plated for long-lasting performance. MIZAR ALS is equipped with specially processed tool steel blades and a Bosch Rexroth hydraulic unit. All electrical and electronic components are Siemens brand. Our products are manufactured and certified in accordance with CE and EAC standards.

Technical Specification



	ALS S	ALS M
FEATURE	VALUE	VALUE
TOTAL POWER	7.5 kW / 10 HP	7.5 kW / 10 HP
BLADE LENGTH	400 mm / 15.7"	600 mm / 23.6"
CUTTING SPEED	7 cut/min	7 cut/min
OVERALL LENGTH	1.650 mm / 64.9"	1.650 mm / 64.9"
OVERALL WIDTH	820 mm / 32.2"	820 mm / 32.2"
OVERALL HEIGHT	1.600 mm / 63"	1.600 mm / 63"
OVERALL WEIGHT	1.250 kg / 2,760 lb	1.300 kg / 2,870 lb



Additional
Equipment



Conveyor Belt

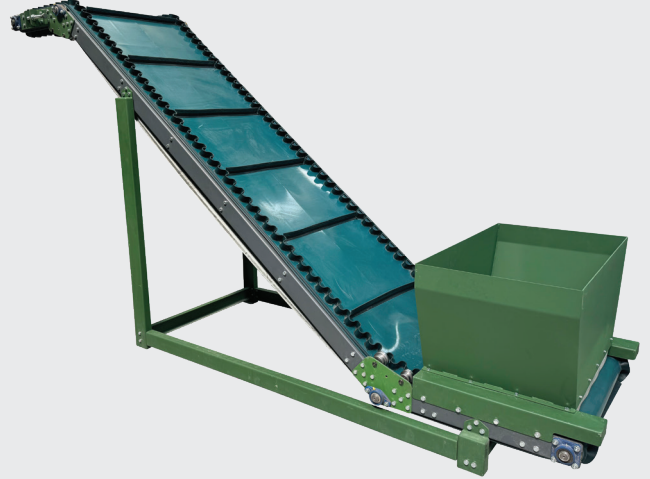
The Conveyor Belt is a vital piece of equipment in various industrial applications, designed to efficiently transport materials across different stages of production and processing. With its durable construction and customizable design, this conveyor system can handle a wide range of materials, from bulk goods to packaged products.

Featuring adjustable speed settings and multiple width options, the Conveyor Belt can be tailored to meet specific operational needs. Its smooth and continuous operation minimizes product damage, ensuring that materials are transported safely and efficiently. Additionally, the modular design allows for easy integration into existing production lines, enhancing overall workflow.

Safety is a priority, and the Conveyor Belt is equipped with features such as emergency stop buttons and protective guards to ensure a secure working environment. This makes it an ideal solution for factories and warehouses seeking to improve material handling and increase productivity.



Additional
Equipment

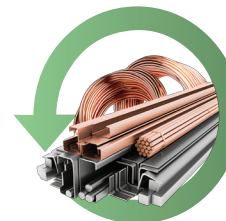
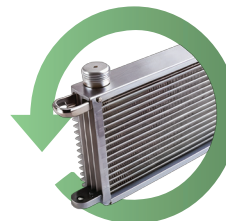
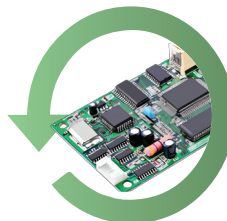


Z Conveyor Belt

The Z Conveyor Belt is an innovative material handling solution designed to efficiently transport products between different elevation levels within a facility. Its unique Z-shaped design allows for vertical and horizontal transportation, making it ideal for use in warehouses, production lines, and recycling operations.

Constructed from durable materials, the Z Conveyor Belt ensures reliable performance even in demanding environments. The adjustable angle of the incline can be customized to meet specific operational needs, providing flexibility in material flow management. This conveyor system enhances workflow efficiency by reducing manual handling and facilitating seamless transitions between processing stages.

Safety features, including emergency stop buttons and side guards, are integrated into the design to protect operators during operation. The Z Conveyor Belt is an ideal choice for facilities aiming to optimize their material handling processes and improve overall productivity.





Additional
Equipment



Dosage Bunker

The Dosage Bunker is a critical component in material handling and processing systems, designed for the precise storage and dosing of bulk materials. This robust storage solution ensures that materials are held securely while allowing for accurate dispensing, making it ideal for applications in industries such as recycling, food processing, and manufacturing.

Constructed from high-quality materials, the Dosage Bunker is built to withstand harsh conditions and heavy loads. Its design features adjustable outlets and integrated weighing systems, enabling operators to control the flow and quantity of materials with high accuracy. The bunker can be easily integrated into existing production lines, enhancing workflow efficiency and minimizing material waste.

Safety and ease of use are paramount; the Dosage Bunker includes user-friendly controls and safety mechanisms to protect operators during operation. It is an essential solution for facilities aiming to optimize material management and improve overall operational efficiency.



Additional
Equipment

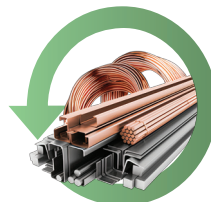
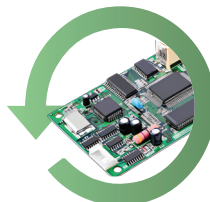


Dust Collector

The Dust Collector is an essential system designed to enhance air quality and maintain a clean working environment in industrial facilities. This powerful equipment efficiently captures and removes airborne dust and particulate matter generated during manufacturing and processing operations, ensuring compliance with environmental regulations and promoting worker safety.

Featuring advanced filtration technology, the Dust Collector can handle a wide range of dust types, including fine particles from wood, metal, and plastic operations. Its modular design allows for easy integration into existing production lines, providing flexibility in installation and operation.

The Dust Collector operates quietly and requires minimal maintenance, making it a cost-effective solution for various industries. Safety features, such as explosion-proof designs and automatic cleaning systems, ensure reliable performance and minimize downtime. This machine is ideal for facilities aiming to improve air quality and maintain a safe, productive working environment.





Notes:

MİZAR

Recycling Machinery



**Solution
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Electric

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A Bosch Company

HÄGGLUNDS

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