



INDUSTRIAL MACHINERIES

MECHTRANOVA

VENTURES CORPORATION



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Company Profile

At Mechtranova Ventures Corporation, we are driven by innovation, engineered for reliability, and committed to sustainable solutions. With years of proven expertise in mechanical systems, Mechtranova has established itself as a trusted provider of high-performance waste management machinery and material handling equipment.

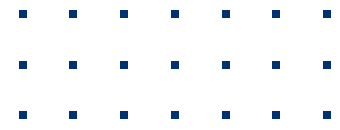
Founded by industry veterans, our company has built a strong reputation for delivering custom-engineered solutions that meet the demanding needs of recycling plants, waste processing facilities, and industrial operations. Our product lineup includes state-of-the-art shredders, compactors, balers, conveyors, incinerators, fermentation machines, grass chauffeur machines, pelletizer machines and complete crushing systems—each designed for maximum efficiency and durability.

With extensive field experience and a dedicated engineering team, Mechtranova has successfully supplied and installed waste machinery systems across various sectors, from municipal waste management to construction and demolition recycling. Our solutions are known for reducing operational costs, improving throughput, and supporting environmental compliance.

At Mechtranova Ventures Corporation, we don't just build machines—we build long-term partnerships by providing full-service support from design and fabrication to installation and maintenance. We are proud to help our clients transform waste into value, one solution at a time.



Vision and Mission



Vision



To be recognized as a global powerhouse in mechanical innovation — driving industrial growth, sustainability, and profitability through modern technology, strategic partnerships, and relentless pursuit of excellence.

Mission

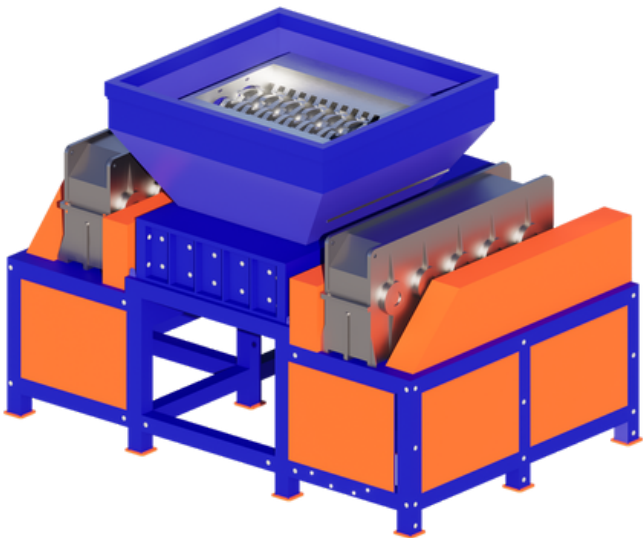


To provide innovative and sustainable waste management solutions that promote environmental preservation and responsible industrial development. We design and manufacture advanced machinery that empowers communities and industries to efficiently process waste, recover valuable resources, and minimize ecological impact.



Double Shaft Shredder

Is a powerful industrial machine designed for coarse shredding of tough and bulky materials such as plastics, rubber, wood, e-waste, and municipal solid waste. It features two parallel shafts equipped with interlocking cutting blades that rotate at low speed but with high torque, efficiently tearing and shearing materials into smaller, manageable pieces. This design provides exceptional durability and efficiency for heavy-duty recycling and waste processing applications.



Materials: Output size 20-30mm



Car Shell



E-Waste



Plastic Films



Wood Tray

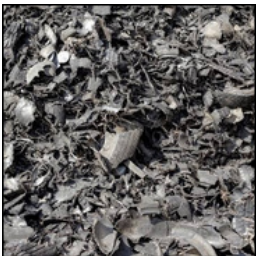


Plastic Barrels



Furniture

Output:



Technical Parameter:

Model	DS-800	DS-1000	DS-1200	DS-1500	DS-2000
Motor Power	22*2 Kw	30*2 Kw	45*2 Kw	55*2 Kw	110*2 Kw
Capacity	1-1.5 T/H	1.5-2 T/H	3-4 T/H	4-5 T/H	10-15 T/H
Blade Number	20 pieces	34 pieces	24 pieces	20 pieces	20 pieces
Feed Hopper Size	800*1200mm	1000*1500mm	1500*2000 mm	2000*2500 mm	2500*3000 mm

Single Shaft Shredder



Is a heavy-duty industrial machine used for reducing the size of solid materials such as plastic, rubber, wood, paper, textiles, and metal scraps. It features a single rotating shaft equipped with cutting blades that shred materials into smaller, uniform pieces for recycling, processing, or disposal. This type of shredder is widely used in waste management, recycling plants, and material recovery facilities for pre-shredding or fine shredding applications.

Application: Output size 20-30mm



PVC / PP pipe



E-Waste



Plastic Films



Varnished wire



Plastic Barrels

Output:



Technical Parameter:

Model	SS-600	SS-800	SS-800	SS-1200
Power (kw)	22	30	40	55
Feeding Mouth	600*700	600*1100	800*1100	1500*1500
Rotary Blades (pcs)	26+4	46+6	49+4	64+4
Fixed Blades (set)	1	2	2	2
Capacity (kg/h)	600	800	1000	1000-1500
Weight: (kg)	2800kg	4000kg	5500kg	7000kg
Dimensions (L*W*H mm)	1700*1130*1780	1865*1420*1800	2470*1420*2000	3500*2300*2200

Plastic Crusher Machine



film materials—into smaller, manageable flakes or granules. It is an essential equipment in plastic recycling and waste management. Is an industrial machine designed to crush and reduce plastic film waste—such as LDPE, HDPE, PP, PET, and other thin-systems, enabling efficient handling, washing, and reprocessing of film waste for reuse in production lines.

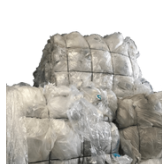
Application: Output size 5mm



PVC / PP pipe



PET bottles



Plastic Films/Sachet



Fastfood plastic waste



Plastic Barrels

Output:



Technical Parameter:

Model	PC-600	PC-800	PC-1000	PC-1200
Feeding inlet size	600*320mm	820*600mm	1020*650mm	1200*1000 mm
Power	15 Kw	37 Kw	45 Kw	55 Kw
Volatage	3380V 50Hz	3380V 50Hz	3380V 50Hz	3380V 50HZ
Size	1150*1500*1600mm	1600*1680*2080mm	2000*1800*2400mm	3000*1800*4000mm
Weight: (kg)	660kg	2300kg	3500kg	6000kg
Capacity	400-600 kg	600-800 kg	800-1000 kg	1000-1200 kg

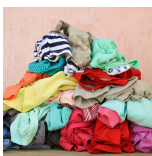
Spiral Shredder

The Spiral Shredder for Soft Materials is a highly efficient cutting solution designed specifically for flexible solid waste.

With its low-speed, high-torque spiral blade design, this machine excels at shredding fibrous, fabric-based, tough, and easily entangled materials. It is ideal for processing a wide variety of soft waste, including used clothing, woven bulk bags, agricultural film, PP straps, pet pads, and various flexible plastic packaging materials. Whether for pre-treatment in recycling processes or volume reduction to cut transportation costs, this shredder delivers reliable and efficient performance—making it an excellent choice for applications such as textile recycling, plastic packaging recovery, and agricultural film disposal.

The spiral design ensures continuous feeding and self-discharging operation. This shredder combines crushing and conveying, allowing efficient size reduction with minimal clogging and smooth material flow.

Application: Output Size 10,30,50 mm



Old clothes



Old Bags



Old Shoes



Plastic Film



Used Sack



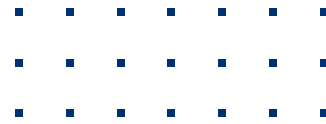
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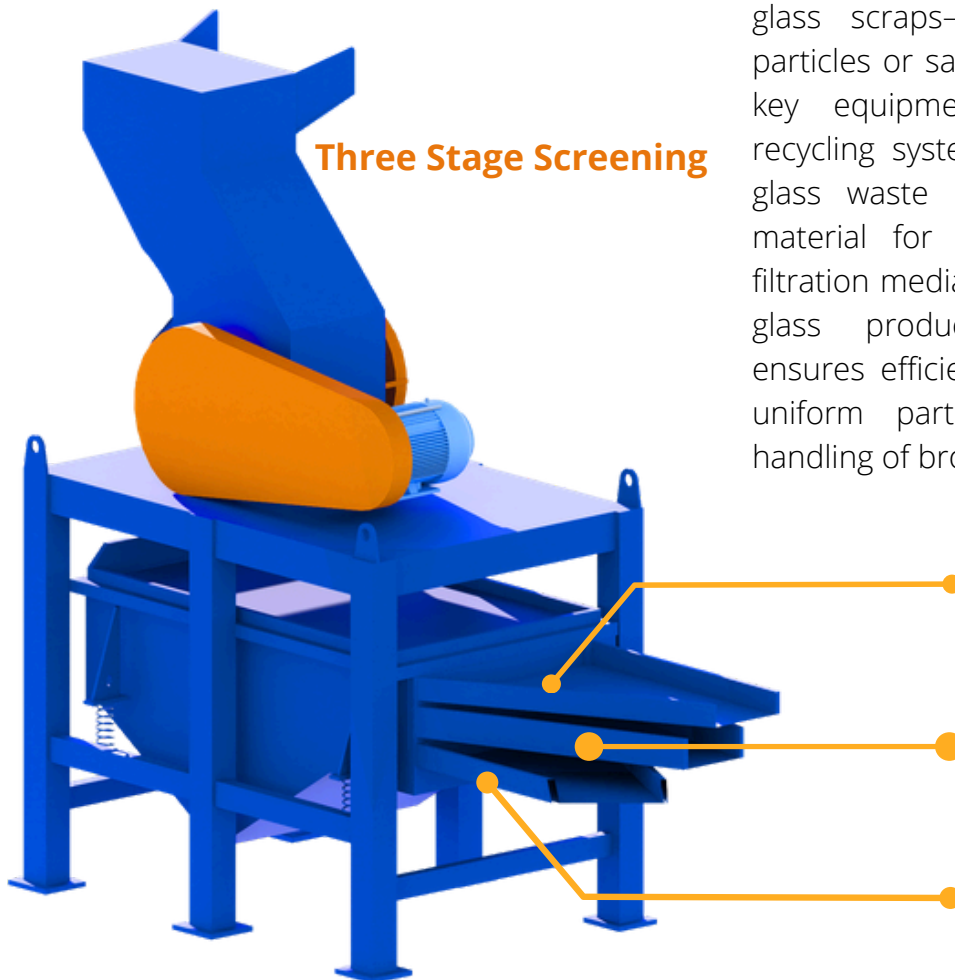
Technical Parameter:

Model	SS-300	SS-350	SS-450	SS-550	SS-650	SS-850
Power	45 Kw	55 Kw	90 Kw	110Kw	160 Kw	250 Kw
Reducer Model	ZSY-250	ZSY-280	ZSY-315	ZSY-355	ZSY-450	ZSY-560
Capacity	200-400 kg/hr	400-600 kg/hr	1-1.5 T/hr	2-3 T/hr	3-4 T/hr	4-5 T/hr

Glass Pulverizer



Is an industrial machine designed to crush, grind, and pulverize glass waste—such as bottles, jars, and glass scraps—into fine, reusable particles or sand-like powder. It is a key equipment in waste glass recycling systems, converting bulky glass waste into a valuable raw material for use in construction, filtration media, landscaping, or new glass production. The system ensures efficient volume reduction, uniform particle size, and safe handling of broken glass.



Application:

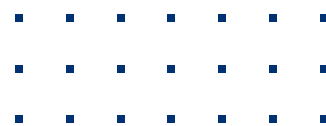


Used Bottles

Model
GP-1000

Capacity
1000kg/hr

Grass Chopper



Is an agricultural and waste-processing equipment designed to cut, shred, and chop various types of grasses, fodder, and organic materials—such as Napier grass, corn stalks, sugarcane tops, and other fibrous crops—into small, uniform pieces. This machine is essential for livestock feed preparation, biogas production, and organic waste recycling, offering high efficiency, safety, and ease of operation. Built with heavy-duty blades and a powerful motor.

Application:



Grass



Straw

Output:

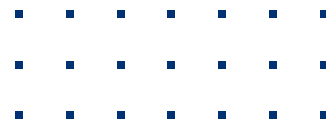


Technical Parameter:

Model	GC-1000	GC-2000	GC-3000
Power	2.2 kw	4 kw	7.5 kw
Capacity	1000 kg	2000-3000 kg	4000-6000 kg
Voltage	380 V /50hz	380 V /50hz	380 V /50hz
Size	600*460*350mm	1640*520*900mm	2160*690*1030mm
Weight	75kg	100kg	180kg

This machine comes with two motors, a diesel motor and an electric motor.

Wood Crusher



Is a machine used to cut and shred wood —such as tree branches, trunks, and twigs —into smaller pieces or chips. These chips can be used for mulch, composting, fuel, or recycling.

Output:



Application:



Grass



Straw

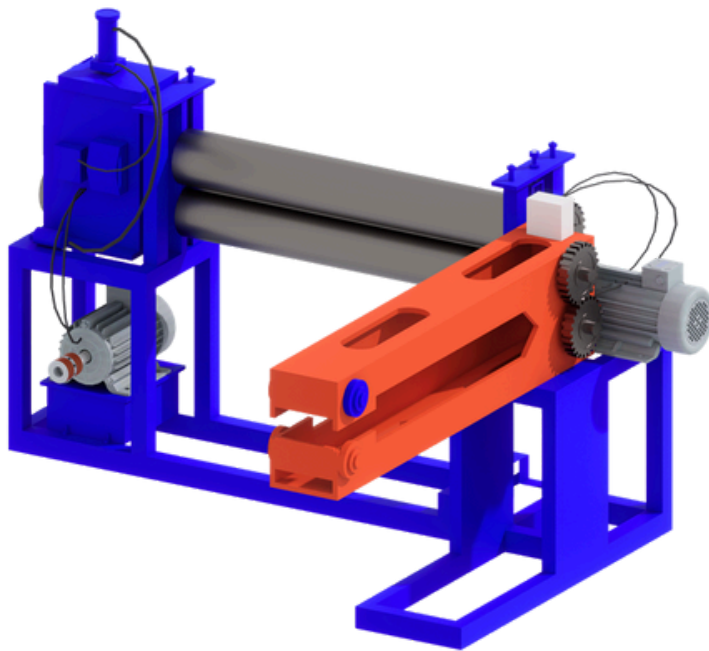


Wood

Technical Parameter:

Model	WC-800
Capacity	3-5 T/ hr
Power	55 Kw
Feeding Size	350*350mm
Size	7200 r / m
Discharge Size	5-10 mm
This machine comes with two motors, a diesel motor and an electric motor.	

3 in 1 Roller Drum Cutting Machine



Is a specialized industrial machine designed to process used or scrap steel drums and barrels by performing three main operations in one system — cover removal, drum cutting, and flattening.

This multifunctional equipment ensures safe, efficient, and environmentally responsible recycling of metal drums, reducing manual labor and preparation time before further processing or smelting.

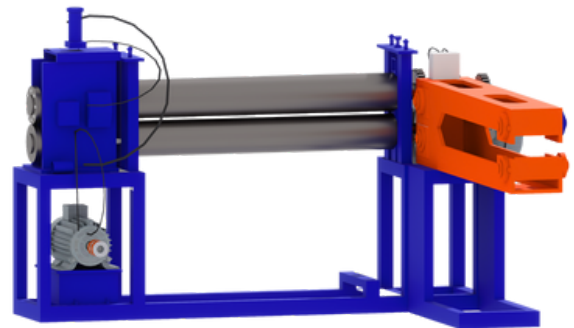
Output:



Application:



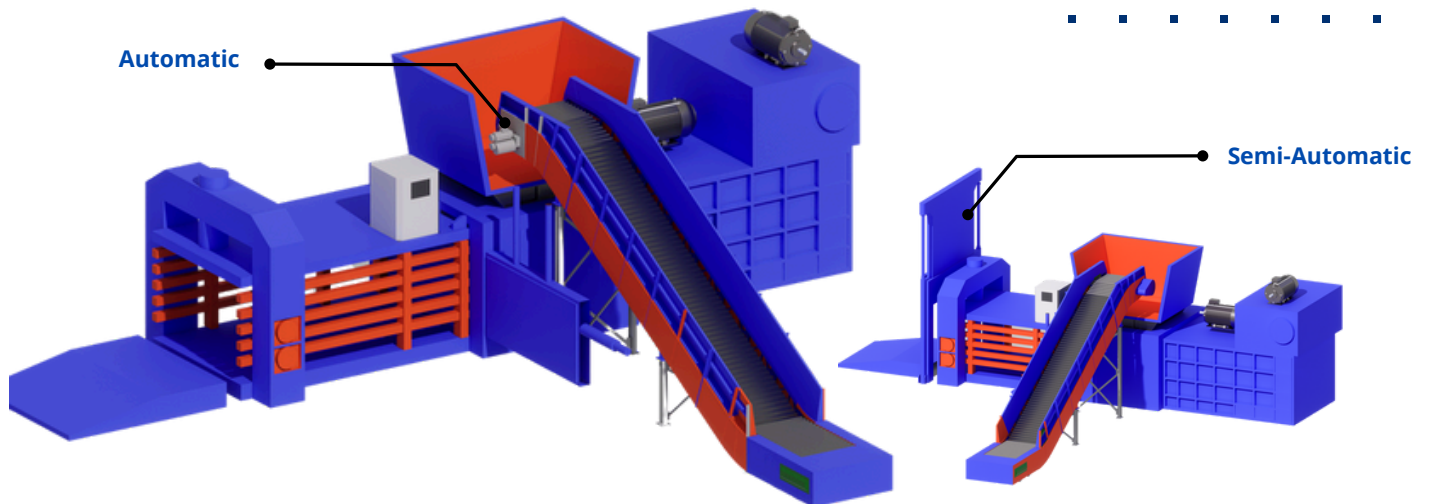
Metal Drums



Technical Parameter:

Model	RDC-100
Capacity	50-60 drum / hr
Power	3Kw
Weight	600kg
Size	2250*1800*1400
Cutting Thickness	2mm

Horizontal Baler



Is a high-performance waste compaction system designed to compress and bale recyclable materials such as thin metal, plastic bottles, cans, wastepaper bins, plastic films, clothing . This machine operates automatically with minimal manual handling, ensuring high throughput, consistent bale size, and reduced labor costs—making it ideal for large-scale recycling centers, manufacturing plants, and material recovery facilities (MRFs).

Application:



PET Bottles



Used Clothes



Karton

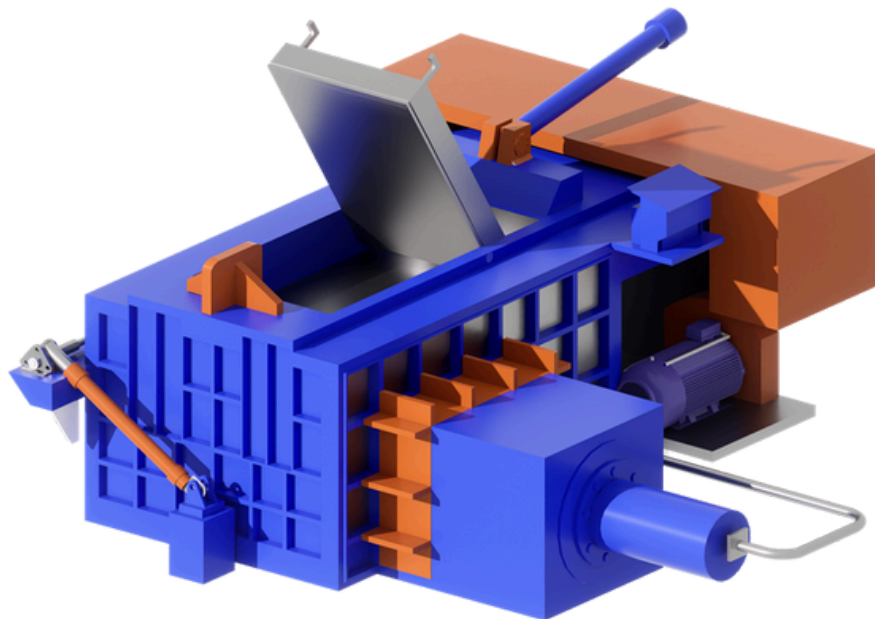
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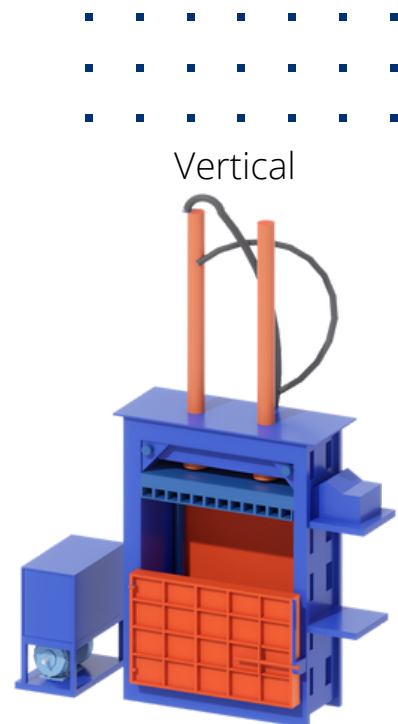
Technical Parameter:

Model	HBA-120	HBA-160
Pressure	120T	160T
Oil Pump	50A35 Double Combination Pump	50A38 Double Combination Pump
Electronic Control System	PLC Computer Automatic Degree	Infrared Sensor, Object Detection
Inlet Size	1100mm*1600mm	1100mm*2000mm
Outlet Size	1800(Adjustable) * 1000*900mm	2000(Adjustable) * 1100 *900mm
Bale Density	400kh/m3	400-500kg/m3
Capacity	6-10T/hr	8-12T/h
Power	30kw + 4kw + 4kw	37kw + 5kw +4kw
Packing and Strapping	4-5 rounds	4-5 rounds

Metal Baler



Horizontal



Vertical

Is a heavy-duty hydraulic machine designed for compressing and baling various types of metal scrap—including steel, aluminum, copper, stainless steel, and light metal sheets—into compact, high-density blocks for easy handling, storage, and transport. This machine plays a crucial role in metal recycling operations, reducing material volume and increasing furnace charging efficiency. Built with robust hydraulic power and durable steel construction, this ensures long-term performance, even in demanding industrial environments.

Application:



CANS, SCRAP METALS, ALUMINUM, METAL DRUMS

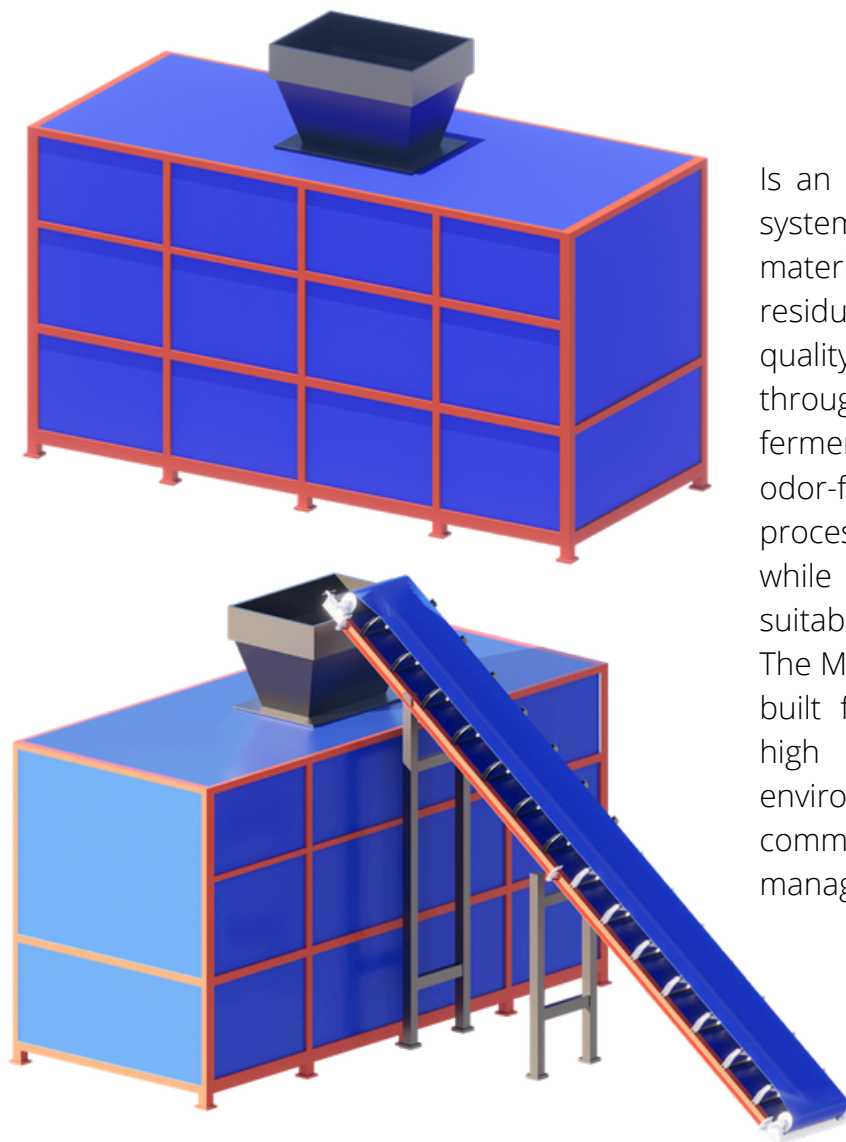
Output:



Technical Parameter:

Model	HMB-125	HMB-135	HMB-160A	HMB-160B	HMB-160C
Material Chamber Size (mm)	11200x700x600	1400x600x600	1200x800x600	1400x900x600	1600x1200x800
Power	15	18.5	18.5	22	30
Capacity (kg/h)	800-1000	1000-1800	1000-1200	1300-1800	2000-2800

Fermentation Machine



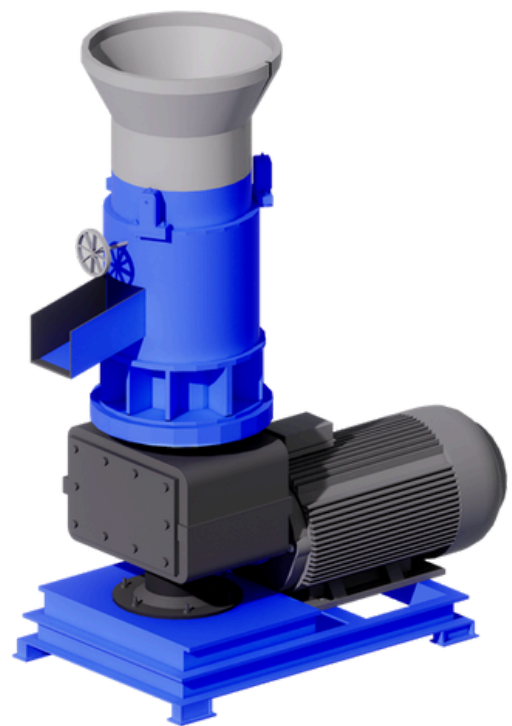
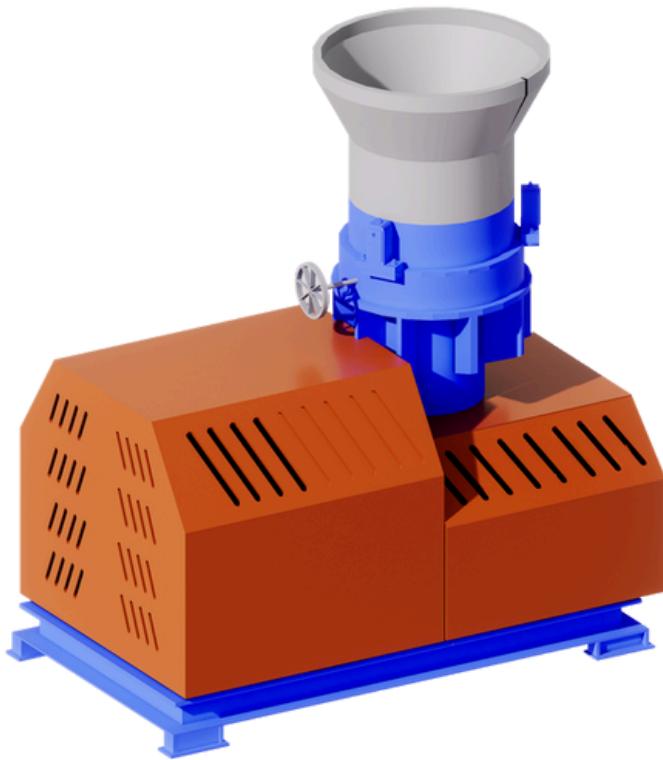
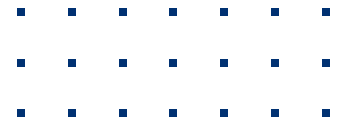
Is an advanced organic waste processing system designed to convert biodegradable materials—such as food waste, agricultural residues, and animal manure—into high-quality organic compost or fertilizer through aerobic or thermophilic fermentation. It provides a controlled, odor-free, and efficient decomposition process, greatly reducing waste volume while producing nutrient-rich compost suitable for agriculture and landscaping. The Mechtranova Fermentation Machine is built for continuous operation, ensuring high processing capacity and environmental compliance for municipal, commercial, and industrial waste management applications.

Technical Parameter:

Model	FM-2m ³	FM-3m ³	FM-4m ³	FM-5m ³	FM-10m ³	FM-20m ³
Motor Power	15+18 kw	15+18 kw	15+18 kw	18.5+18 kw	18.5+36 kw	18.5+45 kw
Stirring Speed	15.3 rpm	15.3 rpm	15.3 rpm	15.3 rpm	15.3 rpm	15.3 rpm
Reducer model	zq400	zq400	zqy 200-40	zqy 200-40	zly280-40	RS137-188.45
Dimensions	3200x1380 x2760mm	3270*1480 *2760mm	3780*1600 *3500mm	4000*1600 *3500mm	5710*2050 *3180mm	8500*2150 *2500mm

Pellet Maker

A pelletizer machine for agriculture is a machine that compresses powdered or ground agricultural materials into small, dense, uniform pellets. These pellets are typically used as animal feed, organic fertilizer, or biomass fuel.



Technical Parameter:

Model (w/o cover)	PM1-125	PM1-150	PM1-210	PM1-260	PM1-300	PM1-360
Power	3kw	3kw	7.5kw	15kw	22kw	22kw
Capacity	80-100 kg/h	90-150kg/hr	200-300kg/hr	400-500kg/hr	600-800kg/hr	700-900kg/hr
Size	760*310*660 mm	780*330*680 mm	1030*420*910 mm	1080*420*1040 mm	1400*600*1210 mm	1400*560*1600 mm
Weight	80kg	90kg	210kg	360kg	460kg	650kg

Model (with cover)	PM2-400	PM2-600
Power	30kw	45kw
Capacity	1-2T/hr	3-5T/hr
Size	2310*750*1860mm	1912*1000*1521mm
Weight	792kg	1200kg

Waste Tire Recycling Equipment

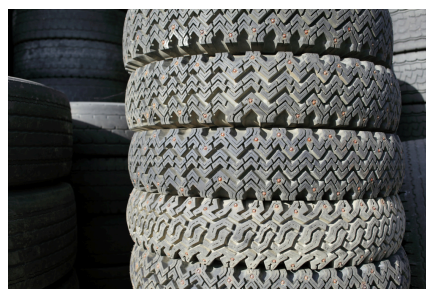
Tire recycling machine can crush waste tires or rubber products into rubber granules and powder to realize the recycling and reusing of waste rubbers. This is the best way to recycle waste tires. As a professional manufacturer ,we can provide you the best solution based on your different raw materials.



NYLON TIRE



STEEL WIRE TIRE



OTR TIRE

Final Products



BEAD WIRE



STEEL WIRE



FIBER



RUBBER GRANULE
3-4mm



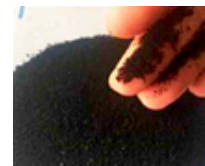
RUBBER GRANULE
0-2mm



RUBBER GRANULE
5-6mm



RUBBER POWDER
20 MESH



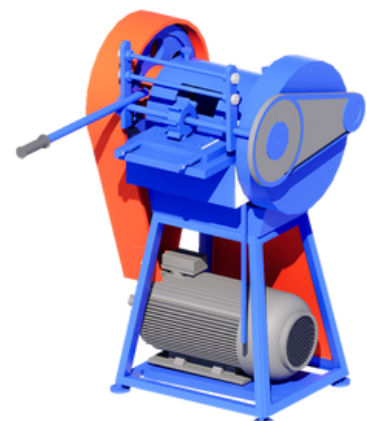
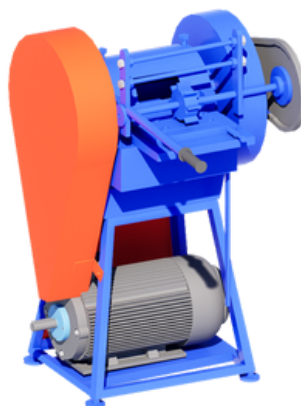
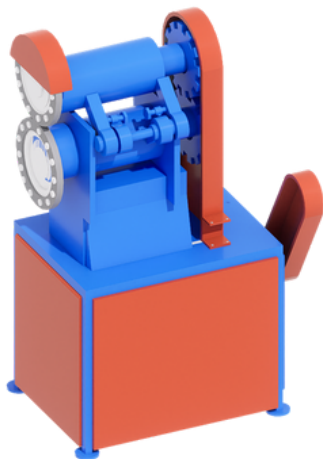
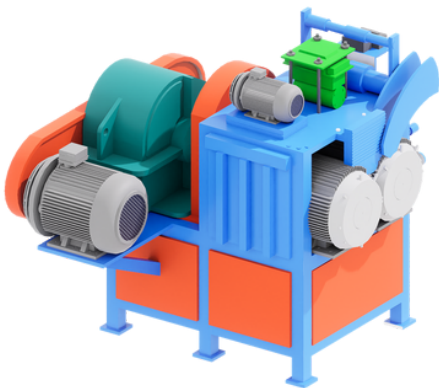
RUBBER POWDER
40 MESH



RUBBER POWDER
60 MESH

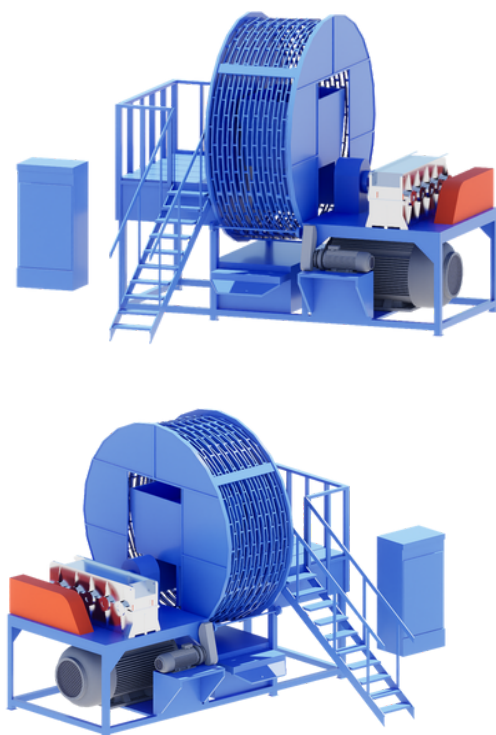
Tire Cutting System

Tire Cutting System includes semi-automatic tire cutting system and whole tire shredder. It can crush waste tires into 3-8cm rubber blocks:



Whole Tire Shredder

Crush whole tire into 3-8cm rubber blocks.



Technical Parameter:

Model	WTS-800	WTS-1000	WTS-1200
Capacity	1-1.5T/H	1.5-2T/H	2-3T/H
Blade quantity	20pcs.	25pcs.	30pcs.
Discharging Size	3-8cm	3-8cm	3-8cm
Power	30kw*2	37kw*2	75kw*2
Weight	4500kg	5000kg	1300kg
Overall dimensions	2800x900x2000mm	3250x1380x2300mm	4000x2000x2600mm

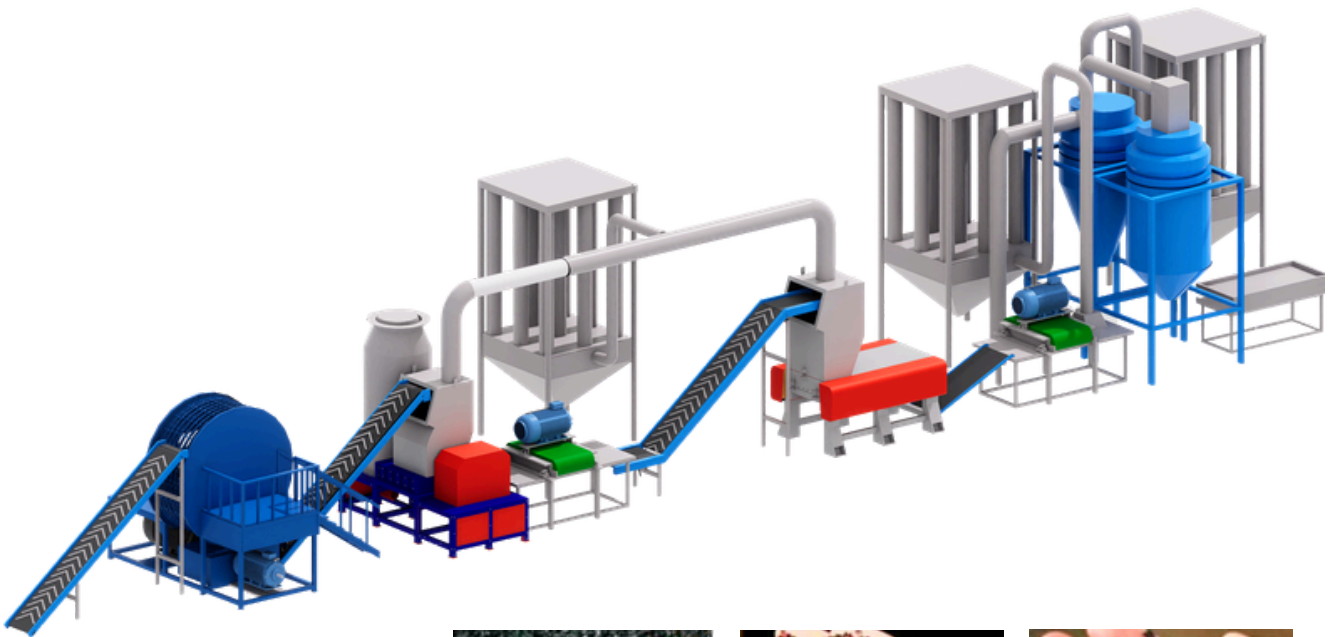
Steel Wire Drawing

Pull out the steel wire from tire sidewall for further crushing process, In this case , it can protect the blades, extend the service life of the blades and increase the working efficiency.



Rubber Granule Production Line

Crush tire blocks (3-8cm) into 1-6mm rubber granules and separate the steel wire and nylon fiber from the rubber granule to get pure finished products. It can produce 0-2mm ,3-4mm ,5-6mm three different size granules at the same time.



Rubber Granule
1-2mm



Rubber Granule
3-4mm



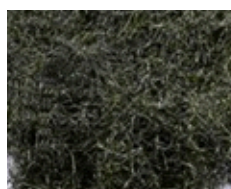
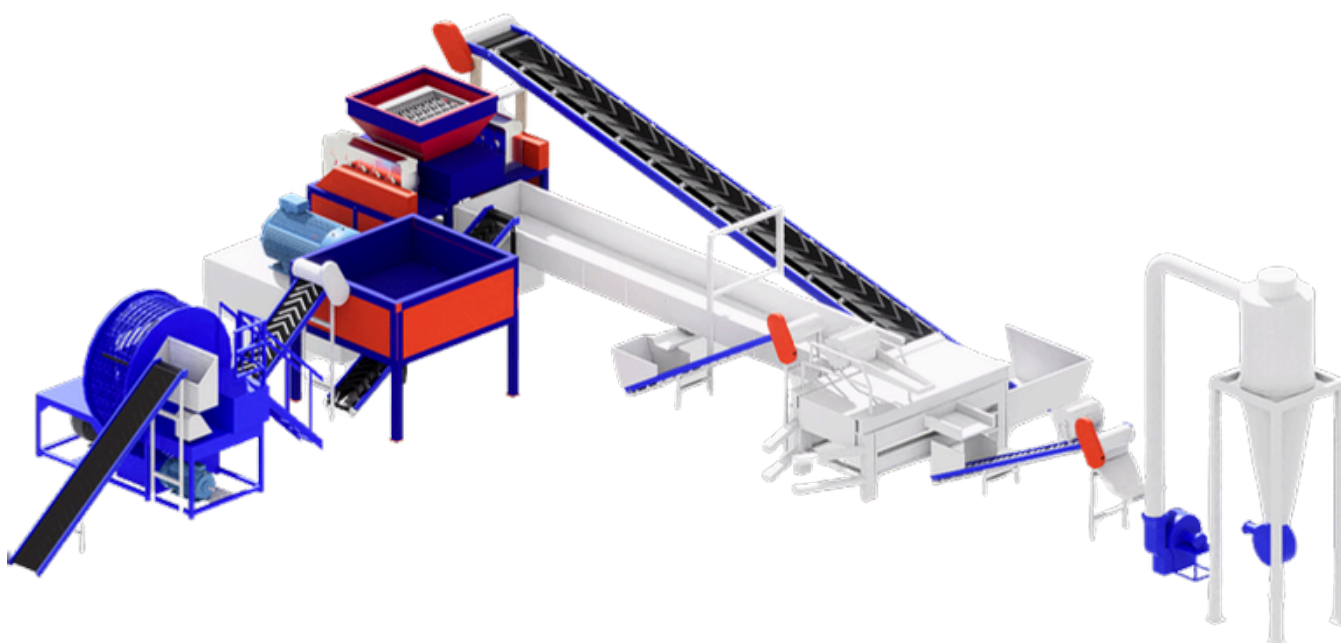
Rubber Granule
5-6mm

Specification:

Model	RGPL-500	RGPL-1000	RGPL-1500	RGPL-2000
Power	178kw	355kw	426kw	35kw
Weight	12ton	29ton	38ton	43ton
Size	25*5*5m	40x5x5m	45x6x5m	50x8x5m
Capacity	500kg/h	1000kg/h	1500kg/h	2000kg/h

Rubber Powder Production Line

It used to crush tire blocks (3-8cm) into rubber powder and separate steel wire and nylon fiber from rubber powder to get pure finished products.



Steel Wire



Fiber



Rubber Powder

Rubber Grinder Technical Specifications:

Model	RPPL-350	RPPL-400	RPPL-450	RPPL-560	RPPL-560D	RPPL-610
Power(kw)	30	40	55	75	132	185
Weight(kg)	6300	8500	13000	17500	17500	22000
Roller Diameter Length(mm)	300*500	400*600	450*760	510*800	560*800	610*1000
Front Roller Linear Speed Ratio(m/min)	26.2	34.5	38.0	38.6	42.5	45.5
Roller Speed Ratio	1:2.5	1:2.5	1:2.5	1:2.5	1:2.5	1:2.5
Overall Dimensions(mm)	3600*1700*1600	4500*1900*1700	4800*2000*1700	5300*2100*1700	5300*2100*1700	5800*2200*1700

Tire Cutter

Tire cutting machine can cut all kinds of rubber blocks and rubber strip at will. Suitable for cutting off various rubber materials such as oblique rubber tires, steel wire tires, rubber strip, etc.



Technical Specifications:

Model	TC-1200	TC-1800	TC-2000	TC-2500
Power(kw)	7.5kw	11kw	11kw	11kw
Max.tire Diameter	1200mm	1800mm	2000mm	2500mm
Weight	2500kg	3000kg	5000kg	6500kg
Overall Dimensions	1850*700*1760mm	3000*1100*2600mm	3500*1200*3200mm	4000*1200*3500mm

Fine Grinder

It is used to crush rubber powder or rubber granule into smaller size, 120mesh or more smaller.



Technical Specifications:

Model FG-1500			
Capacity	Power	Weight	Overall Dimensions
60-120kg/h	22kw	1500kg	1800*1500*1500mm

Double-Sided Wire Drawing Machine



This machine can pull out the steel wires on both sides of tire at the same time. The efficiency is much higher than ordinary wire drawing machines.



Technical Specifications:

Model DWD-100			
Capacity	Power	Weight	Overall Dimensions
60-80tires/h	15kw	6000kg	2270*1700*1520mm

Double-Sided Ring Cutter

The double-side ring cutter is suitable for tires with diameter less than 1200 mm. High efficiency, can cut off the beads on both sides at one time.



Technical Specifications:

Model DRC-1000				
Capacity	Power	Max tire diameter	Weight	Overall Dimensions
240pcs/hr	3kw	1200mm	160kg	1350*1000*1300mm



Client Meetings



Contact Information



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