

MSWSORTING®

SOLUTIONS PROVIDER OF
WASTE SORTING & RECYCLING

MRF / MBT / C&D WASTE / RDF

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MSW[®]**SORTING**

MSWsorting is powered by MSW Technology Group, focus on exploring waste sorting and recycling technology. In the course of many years of development, it has followed the trend of international waste management solutions, relying on top domestic research center and institutions, focusing on high efficiency and innovative technical path in waste dispose industry. MSWsorting relies on the team who from China's top university in the field of environmental protection: Tongji University, and based on himself research and manufacturing experiences accumulated over the past 30 years, created first waste sorting and recycling technology research center.

In order to promote the development of the circular economy industry and create a waste-free city, MSWsorting has developed a series of intelligent garbage sorting and recycling equipment by introducing German equipment manufacturing technology, using low-cost and high-efficiency made in China, combined with artificial intelligence, Internet

of Things + environmental protection technology, It provides waste sorting and recycling solutions that match social and economic development for environmental protection companies around the world.

Today, most countries in the world are facing the same predicament, more and more waste has nowhere to put. MSWsorting team firmly believe the power of technology, believe with the right treatment, waste is the only positive growing energy resource on the planet. to accelerate the pace of development of circular economy, company will continue to work on creating value with waste, maximizing recycling, minimizing emissions, and infinitely close to the ultimate goal of "ZERO WASTE".

MSWsorting will continue to make great efforts to become a leading company in the field of waste sorting and recycling industry.




CHAIN PLATE FEEDER

CPF



- Suitable for a wide range of material. Mixed waste, residual waste, household waste, landfill waste.
- Has strong impact resistance, no fear of falling impact from heavy garbage.
- Low servicing and maintenance requirements.
- Frequency conversion control, with emergency brake function.
- All the metallic parts will be sand blasted. Meet Sa2.5 surface treatment requirements.
- Double layer of coat primer and double layer of Epoxy coat.

	CPF10	CPF12	CPF14	CPF16	CPF18	CPF20	CPF20+
Width	1000mm	1200mm	1400mm	1600mm	1800mm	2000mm	>2000mm
Length	customized length	customized length	customized length	customized length	customized length	customized length	customized length
Hopper	10-50m³	10-70m³	10-90m³	10-110m³	10-150m³	10-200m³	10-300m³
Angle	<35°	<35°	<35°	<35°	<35°	<35°	<35°
Speed(m/min)	0-20	0-20	0-20	0-20	0-20	0-20	0-20
Power	5.5-15kw	5.5-15kw	5.5-15kw	5.5-15kw	5.5-22kw	5.5-35kw	5.5-35kw
Throughput	10-20m³/h	20-30m³/h	30-40m³/h	40-50m³/h	50-60m³/h	60-70m³/h	70-100m³/h

► Throughput in tons per hour depends on waste density.

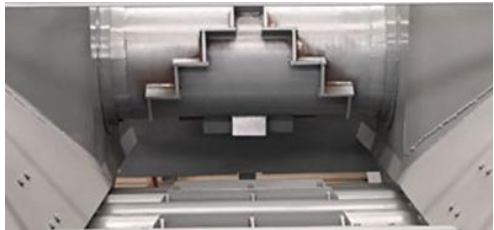



FEEDER + WASTE DISTRIBUTOR

CPFD



- Distributor drum has anti-winding device on it. Installed at the end of the feeding machine.
- Suitable for a wide range of material. Mixed waste, residual waste, household waste, landfill waste.
- Has strong impact resistance, no fear of falling impact from heavy garbage.
- Low servicing and maintenance requirements.
- Frequency conversion control reducer, with emergency brake function.
- All the metallic parts will be sand blasted. Meet Sa2.5 surface treatment requirements.
- Double layer of coat primer and double layer of Epoxy coat.

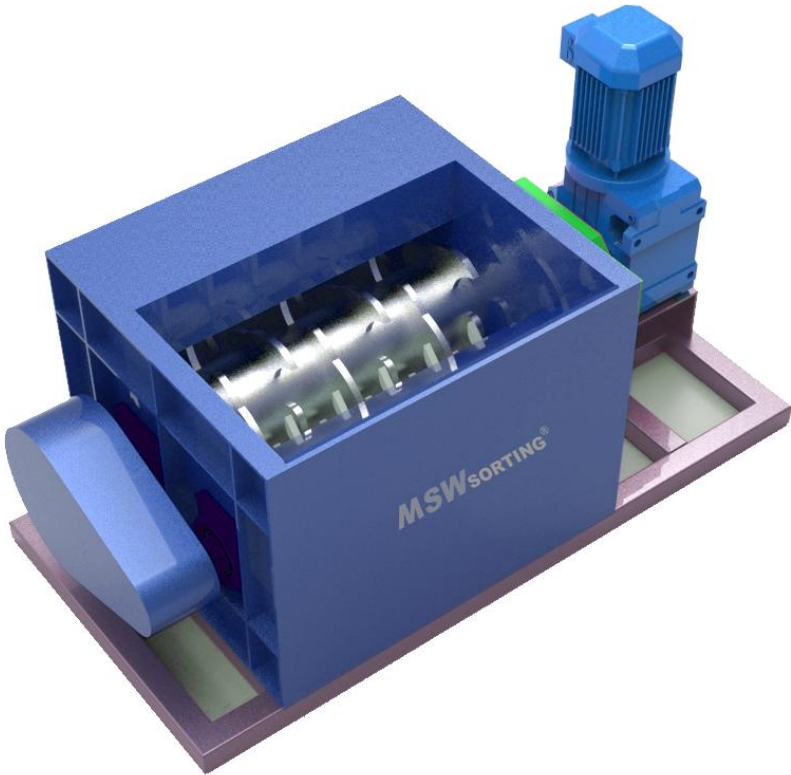


	CPFD12	CPFD14	CPFD16	CPFD18	CPFD20
Width	1200mm	1400mm	1600mm	1800mm	2000mm
Length	6/8/10/12m	6/8/10/12m	6/8/10/12m	6/8/10/12m	6/8/10/12m
Distributor Width	1200mm	1400mm	1600mm	1800mm	2000mm
Distributor Dia	0.6/0.8/1.2m	0.6/0.8/1.2m	0.6/0.8/1.2m	0.6/0.8/1.2m	0.6/0.8/1.2m
Power	15-22.5kw	15-22.5kw	15-22.5kw	15-35kw	15-35kw
Throughput	20-30m³/h	30-40m³/h	40-50m³/h	50-60m³/h	60-70m³/h

► Throughput in tons per hour depends on waste density.

BAG OPENER

BO



- Have anti-winding device, automatic reverse rotation function, effectively prevent blockage.
- The gap between the fixed knife and the moving knife are adjustable according to the waste.
- Effectively protect valuable waste(plastic bottle) in bagged garbage from being broken and damaged
- Number of blades are optional according to project, Blades are replaceable.
- All the metallic parts will be sand blasted. Meet Sa2.5 surface treatment requirements.
- Double layer of coat primer and double layer of epoxy coat.

	BO06W1 BO06W12	BO08W15 BO08W18	BO10W18 BO10W20	BO12W20 BO12W25
Roller diameter	600mm	800mm	1000mm	1200mm
Roller Width	1-1.5 meter	1.2-1.8 meter	1.5-2 meter	1.8-2.5 meter
Moving Knife	10-20 pcs	10-20 pcs	10-20 pcs	10-20 pcs
Fixed Knife	10-20 pcs	10-20 pcs	10-20 pcs	10-20 pcs
Reverse Rotation	yes	yes	yes	yes
Anti-winding	yes	yes	yes	yes
Power	15-22kw	22-45kw	48-55kw	55-70kw
Throughput	10-30m³/h	20-50m³/h	40-80m³/h	60-100m³/h

▶ Throughput in tons per hour depends on waste density.




FEEDER + BAG OPENER

PBO



- Integrated design enables simultaneous feeding and bag opening
- Combination of fixed and rotating blades, with adjustable gap based on material type
- Automatic reverse rotation to prevent material blockage
- Large-diameter shredding rotor effectively reduces material entanglement
- High-wear-resistant alloy blades, detachable for easy maintenance
- Adjustable feeding speed and shaft rotation speed for flexible throughput adaptation
- Double layer of coat primer and double layer of Epoxy coat.

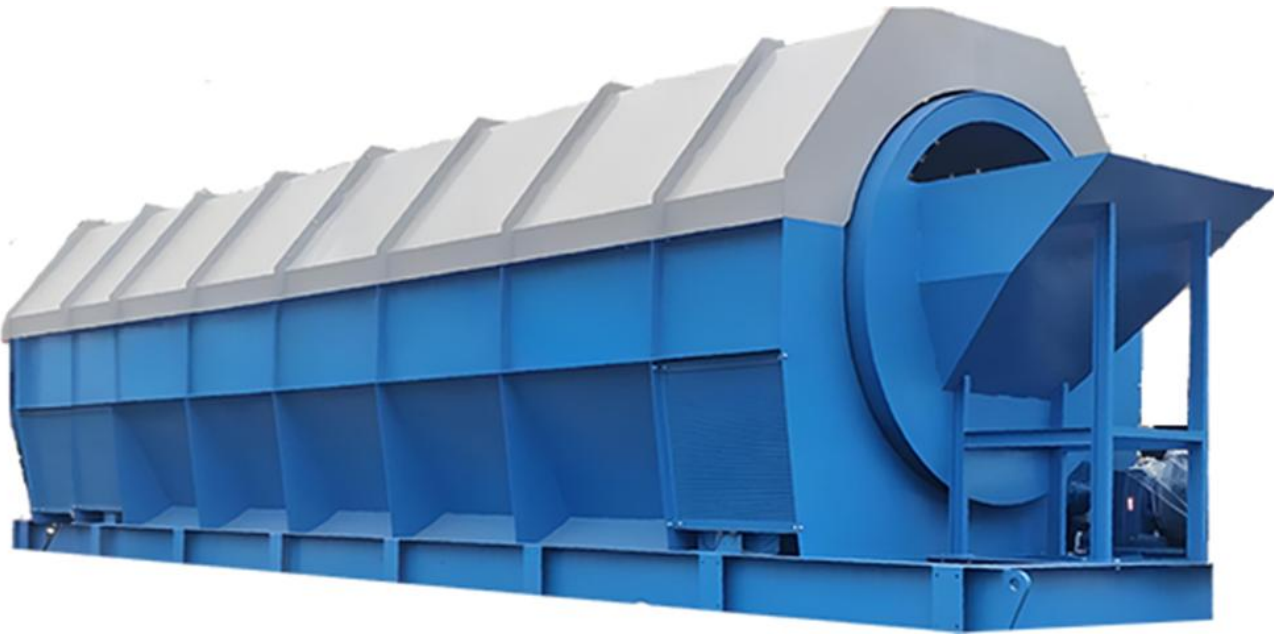


	PBO1000	PBO1200	PBO1400	PBO1600	PBO1800
Width	1000mm	1200mm	1400mm	1600mm	1800mm
Diameter of Rotor	600-1200mm	600-1200mm	600-1200mm	600-1200mm	600-1200mm
Feeding Length	2-6 meter	2-6 meter	2-6 meter	2-6 meter	2-6 meter
Chain Feeder Power	5-7.5kw	5-7.5kw	5-7.5kw	5-7.5kw	5-7.5kw
Bag Opener Power	15-22.5kw	15-22.5kw	15-22.5kw	15-35kw	15-35kw


► Throughput in tons per hour depends on waste density.

TROMMEL SCREEN

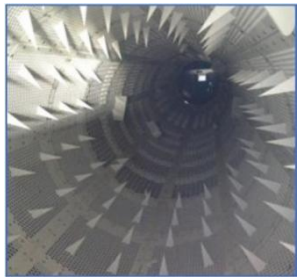
TS



- The screen surface has a unique wear-resistant coating to extend its service life
- Using friction transmission, reduce vibration deviation
- The overall sealing of the equipment, with inspection door and safety protection device.
- The equipment runs smoothly, with low noise, no beating, and shock resistance.
- All the metallic parts will be sand blasted. Meet Sa2.5 surface treatment requirements.
- Double layer of coat primer and double layer of Epoxy coat.

	TS1804	TS1806	TS2206	TS2208	TS2508	TS3008
Length of sieve	4000mm	6000mm	6000mm	8000mm	8000mm	8000mm
Diameter	1800mm	1800mm	2200mm	2200mm	2500mm	3000mm
Speed	0-15 rpm	0-15 rpm	0-15 rpm	0-15 rpm	0-15 rpm	0-15 rpm
Drum inclination	4°-7°	4°-7°	4°-7°	4°-7°	4°-7°	4°-7°
Sieve hole size	10 - 150mm	10 - 150mm	10 - 150mm	10 - 150mm	10 - 150mm	10 - 150mm
Under sieve stream	2 or 3	2 or 3	2 or 3	2 or 3	2 or 3	2 or 3
Power	15kw	15kw	22/30kw	22/30kw	22/30/44kw	30/44kw
Throughput	10-20m³/h	20-35m³/h	35-60m³/h	35-60m³/h	50-70m³/h	65-80m³/h

► Throughput in tons per hour depends on waste density.



BALLISTIC SEPARATOR

BS



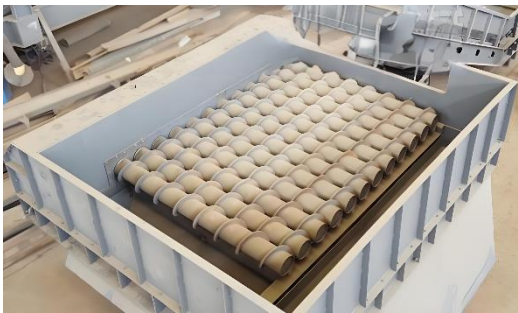
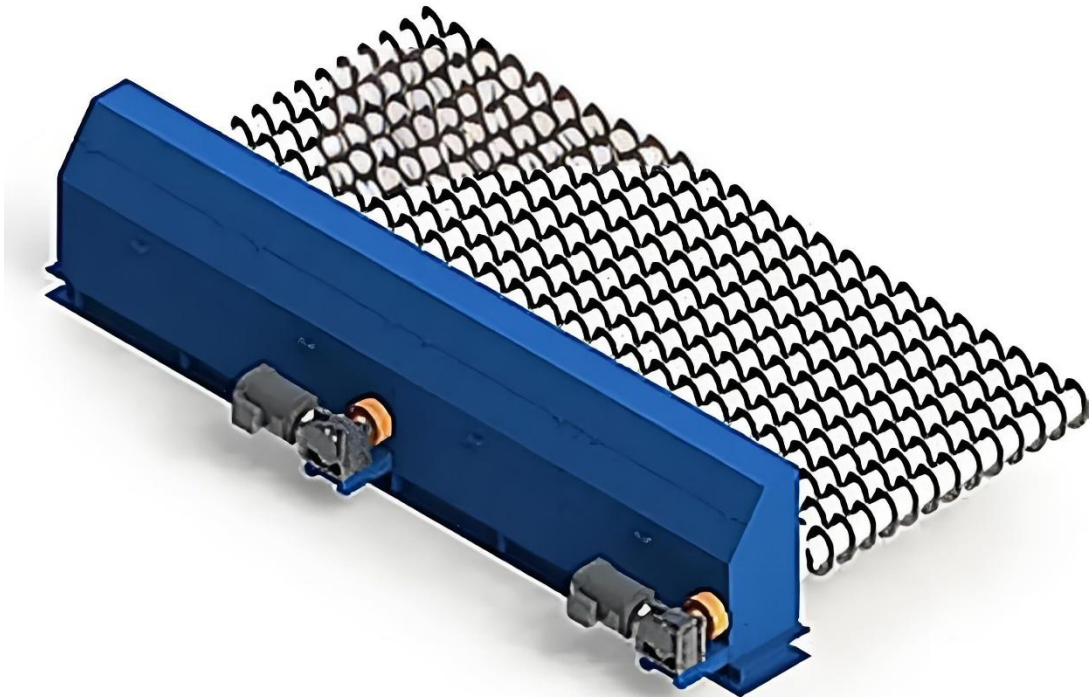
- Through-shaft design ensures synchronized rotation and reduces failure rate.
- The centralized lubrication system reduces manual maintenance frequency and extends equipment service life.
- Reducer drive or motor drive (optional).
- The paddles and sieve screens consist of wear-resistant steel.
- All the metallic parts will be sand blasted. Meet Sa2.5 surface treatment requirements.
- Double layer of coat primer and double layer of Epoxy coat.

	BS04	BS06	BS08	BS10	BS12
Paddy Number	4	6	8	10	12
Paddle length	4.8m	4.8m	4.8m	4.8/5.5m	4.8/5.5m
Angle adjustment	0 – 30°	0 – 30°	0 – 30°	0 – 30°	0 – 30°
Sieve hole size	10-80 mm	10-80 mm	10-80 mm	10-80 mm	10-80 mm
Fan Number	2 - 4	2 - 4	2 - 4	2 - 4	2 - 4
Power	7.5kw	11kw	15kw	15kw	22kw
Throughput	0-30 m³/h	30-50 m³/h	50-70 m³/h	70-90 m³/h	90-120 m³/h

► Throughput in tons per hour depends on waste density.

SPIRAL SCREW SCREEN

SSS



- Sorting the waste in three directions: large-sized waste across the spiral shaft separator, medium-sized waste moves along the direction of the spiral shaft, Small-sized garbage falls from the gap of the spiral shaft.
- Adjustable gaps for customized waste treatment system needs
- High strength alloy steel spirals for minimal wear
- Gentle operation, prevents glass breaking
- Non-wrapping, self-cleaning, low maintenance
- High screening efficiency and precision.

	SSS35	SSS53
Power	22kw	33kw
Screen Size	3500x2200mm	5300x2200mm
Waste stream direction	three	three
Feeding size	<300mm	<300mm
Capacity	30-50m³/H	50-100m³/H

► Throughput in tons per hour depends on waste density.

AIR SEPARATOR

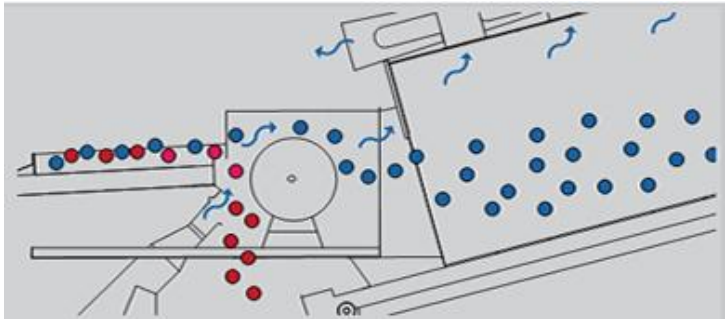
AS



- According to the humidity and density of the material, the air velocity at the separation point can be adjusted.
- The fan is controlled by a frequency conversion motor. Equipped with air control valve and pressure control valve
- Feeding conveyor angle and air blowing nozzle angle can be adjusted from 0-90°.
- Inlet, outlet, distance from drum to discharge channel is adjustable
- The material of the guard plate is optional, and the thickness of the plate is optional.
- Meet Sa2.5 surface treatment requirements.

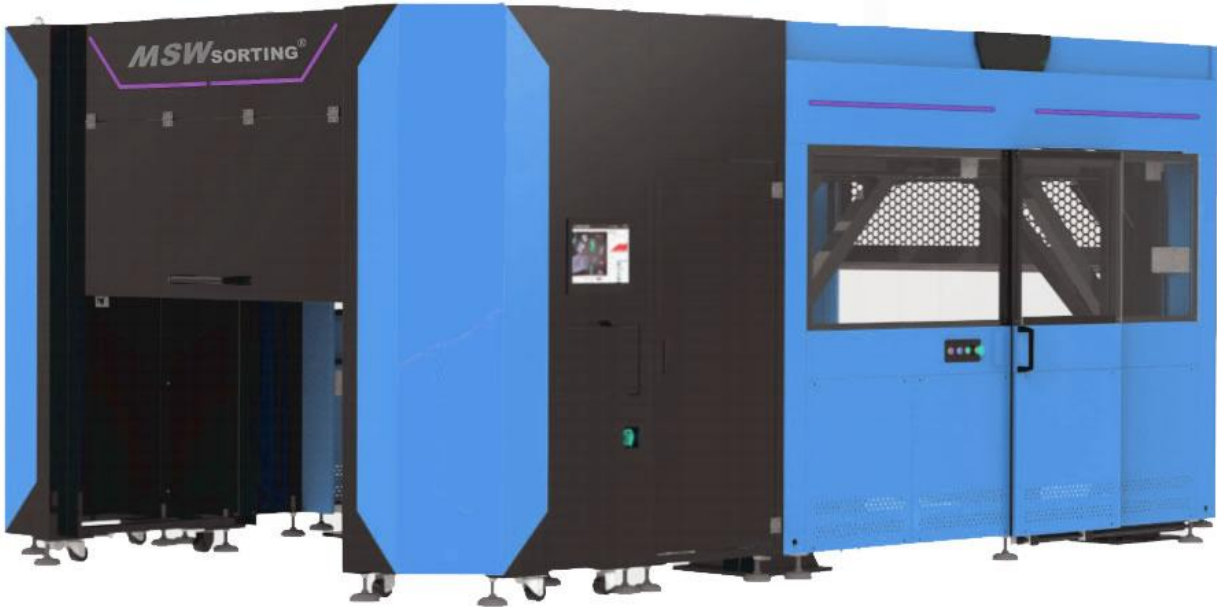
	AS650	AS800	AS1000	AS1200	AS1400
Belt Width	650mm	800mm	1000mm	1200mm	1400 mm
Air volume (m³/h)	7500-15000	9500-18500	10000-19000	15000-35000	21000-42000
Full pressure (Pa)	2500~3500	2800~3500	2800~3500	2800~3500	3000~3500
Power	11 kw	31 kw	40 kw	48 kw	58 kw
Throughput	10-20 m³/h	20-30 m³/h	30-50 m³/h	50-60 m³/h	60-80 m³/h

► Throughput in tons per hour depends on waste density.




AI SORTING ROBOT

SR



- The sorting speed is fast, and can achieve more than 5500 suck up sorting per minute
- The machine has artificial intelligence learning and sorting capabilities.
- Ability to sort different recyclables simultaneously, such as plastic bottle, cardboard. can etc
- 7x24 hours continuous uninterrupted work
- The sorting accuracy rate can reach more than 95%, and the material carry-out rate is low.



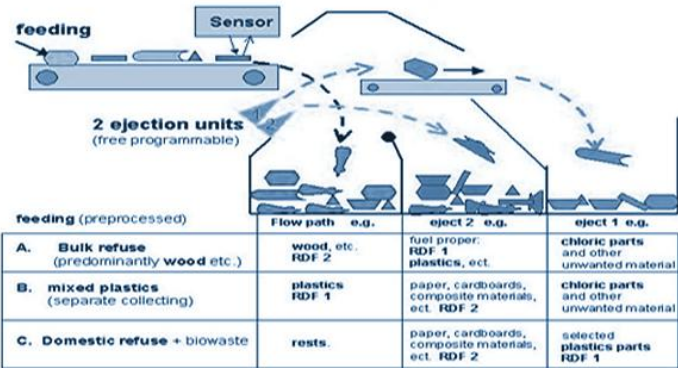
	SRS	SRG	SRR
Sorting Model	Suck up	Grab up	Grab up
Picking times per hour	5500	4000	2000
Max picking weight	0.5kg	2kg	20kg
Belt Speed	<0.8m/s	<0.8m/s	<0.8m/s
Receive hooper quantity	3+3	3+3	>12
Max picking size	500x300x200mm	500x300x200mm	500x300x200mm
Min picking size	50x50x10mm	50x50x10mm	50x50x10mm
Sorting Precision	>95%	>95%	>95%
Power	8KW	8KW	8-24KW


OPTICAL SORTER

OS



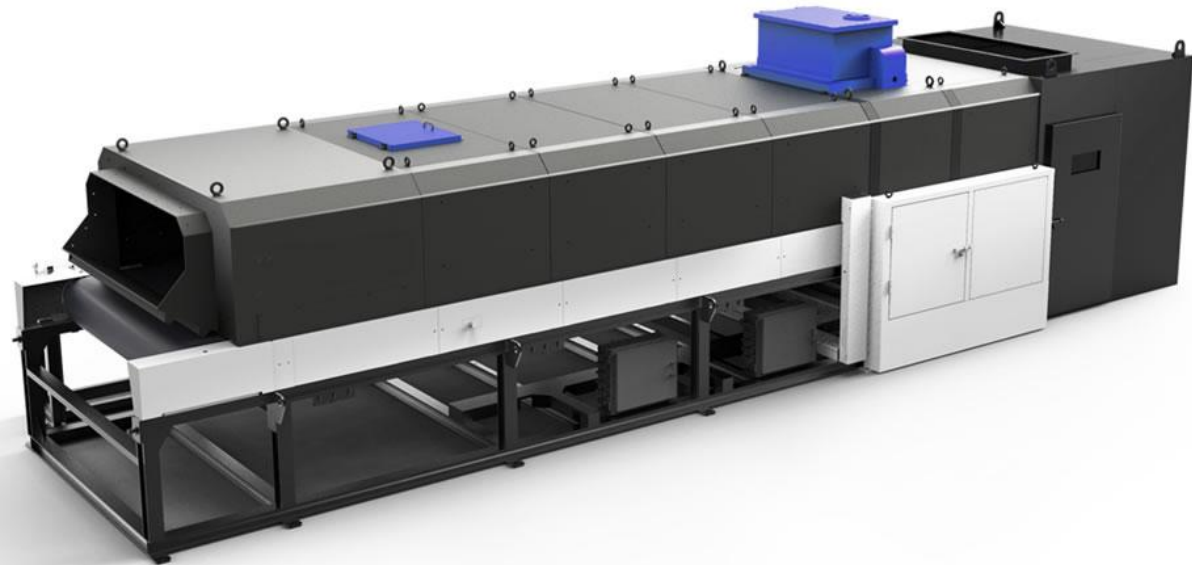
- Hyperspectral Imaging System plus AI Machine Deep Learning (better than traditional NIR or Single AI)
- Able to accurately sort recyclables from mixed domestic waste.
- Can sort PET bottles, HDPE bottles, cans, cardboard. plastic bottle can be sorted according to color, material
- Refined, intelligent and digital sorting.
- The sorting accuracy rate can reach more than 99%, and the material carry-out rate is low.
- High-speed ejector valve, the maximum belt speed can reach 3.5 m/s, large amount of processing



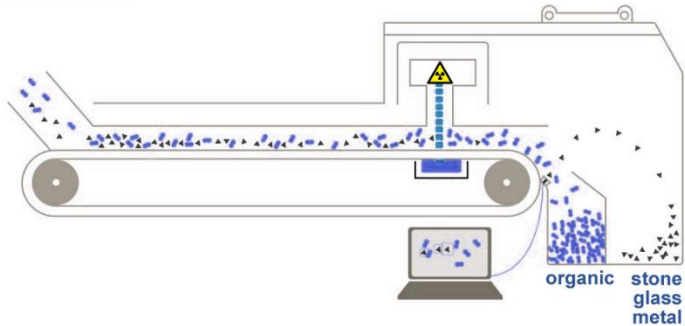
	OS1000	OS1400	OS1800	OS2000	OS2800
Belt Width	1000mm	1400mm	1800mm	2000mm	2800mm
Belt Length	4000-6000mm	4000-6000mm	4000-6000mm	6000mm	6000mm
Max belt speed	3.5 m/s	3.5 m/s	3.5 m/s	3.5 m/s	3.5 m/s
Sorting Precision	>99%	>99%	>99%	>99%	>99%
Power	5KW	5KW	5 KW	11 KW	12 KW

X-RAY SORTER

XS



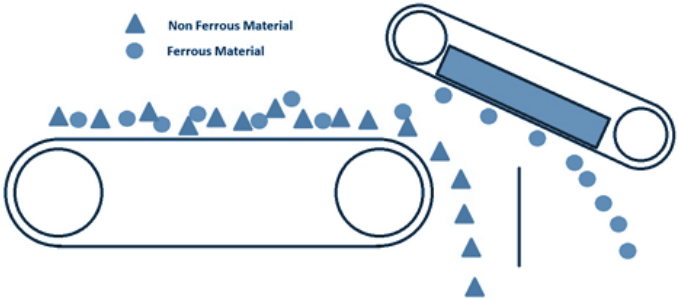
- > Based on density, component content, combined with AI artificial intelligence image processing technology
- > Efficiently sort inorganic inert materials in organic waste including stones, bricks, metals, glass and other impurities
- > It can also be used for the purification of construction waste
- > For mixed metals, it can efficiently sort out different metals with similar colors and shapes to improve the recycling purity
- > The sorting accuracy rate can reach more than 99%, and the material carry-out rate is low.
- > High-energy X-rays with intense beam strength and high penetration capability, suitable for sorting complex materials



	XS1200	XS1400	XS1800	XS2000	XS2800
Belt Width	1200mm	1400mm	1800mm	2000mm	2800mm
Sorting Precision	>99%	>99%	>99%	>99%	>99%

MAGNETIC SEPARATOR

MS



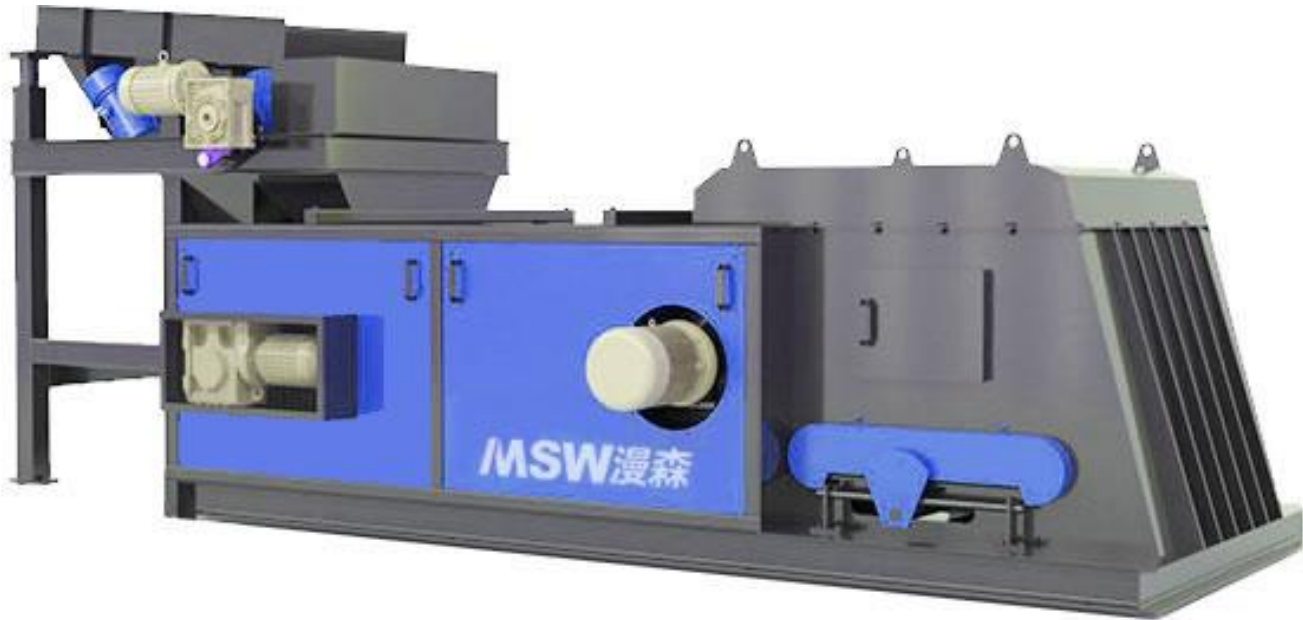
- The design of the magnetic field in this system was selected based on the optimizes computerized simulation.
- With perfect double magnetic poles, drum shape compact structure, automatic belt-off-correction feature
- Easy maintenance, low power consumption, low noise
- The magnetic field strength at the rated height is high, the gradient is large, and the suction is strong.

	MS800	MS1000	MS1200	EMS1000	EMS1200	EMS1400
Suitable Belt Width	800mm	1000mm	1200mm	1000mm	1200mm	1400MM
Rated hanging height	250mm	300mm	350mm	300mm	350mm	400MM
Suitable belt speed	< 4.5m/s	< 4.5m/s	< 4.5m/s	< 4.5m/s	< 4.5m/s	< 4.5m/s
Magnetic field strength	>70 mT	>70 mT	>70 mT	>70 mT	>70 mT	>70 mT
Suitable iron weight range	0.1-35 kg	0.1-35 kg	0.1-35 kg	0.1-35 kg	0.1-35 kg	0.1-35 kg
Power	2.2KW	3KW	4KW	5+3KW	6.8+4KW	9+4KW

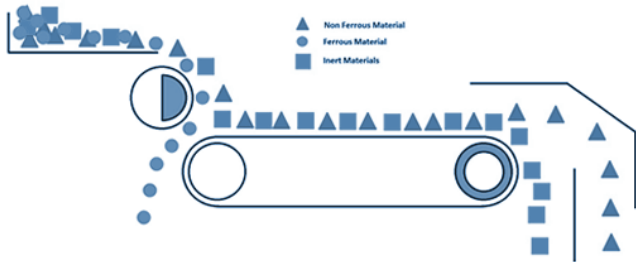
► EMS series products are electromagnetic separator


EDDY CURRENT SEPARATOR

ECS



- > Automatic separation of non-ferrous metals and non-metals.
- > Wide size range of applicable input materials.
- > Suitable for complex and harsh material environments.
- > Unique magnetic system design, with strong anti-demagnetization ability.
- > Simple operation, low energy consumption and easy maintenance.



	ECS800	ECS1000	ECS1200	ECS1500	ECS2000
Belt Width	800mm	1000mm	1250mm	1500mm	2000mm
Belt Length	1500mm	1500mm	1500mm	1500mm	1500mm
Automatic Feeder	include	include	include	include	include
Materials Size	>1 mm ²	>1 mm ²	>1 mm ²	>1 mm ²	>1 mm ²
Sorter Power	6.3kw	7kw	8.8kw	10kw	13kw

WASTE SHREDDER

WS



- Double shaft shredding system, optional motor or hydraulic drive.
- Low speed, high torque, strong shredding force.
- With multiple functions such as cutting, chopping, shredding, it can easily perform the task of shredding mixed solid waste with complex components
- Imported high-strength alloy blade, using patented seam protection technology, able to withstand high pressure impact, tough and wear-resistant, stable quality
- The blade can be replaced, and the daily maintenance is simple
- The number and shape of blades can be customized according to the project.

	WS2S1200	WS2S1400	WS2S1600	WS2S1800	WS2S2000	WS2S-OEM
Box Width	1200mm	1400mm	1600mm	1800mm	2000mm	0-3000mm
Blade Number	15-60	15-60	15-60	15-60	15-60	15-100
Drive Model	Motor/Hydraulic	Motor/Hydraulic	Motor/Hydraulic	Motor/Hydraulic	Motor/Hydraulic	Motor/Hydraulic
Power	90-150 KW	110-180KW	150-220KW	180-264KW	180-264KW	90-500 KW
Rotating speed	15-58 rpm	15-58 rpm	15-58 rpm	15-58 rpm	15-58 rpm	15-58 rpm
Throughput	20-40 m³/h	30-50 m³/h	40-60 m³/h	50-70 m³/h	60-80 m³/h	70-100 m³/h


- ▶ Throughput in tons per hour depends on waste density, The default model is motor drive
- ▶ Optional Motor Power: 45 KW / 55 KW /75 kW / 90 kW / 110 kW / 132 kW / 160 kW / 185 kW / 200 KW / 250 KW
- ▶ Optional Rotor Diameter: 300-1000 mm

FINE SHREDDER

FS



- **Single shaft** shredding system, **High speed shredding** system, High-speed rotating main shaft with variable speeds up to 350 RPM
- Suitable for shredding light material materials with low density.
- Imported high-strength alloy blade, close-packed shredding technology, cutting efficiency increased by 50%
- The blade can be replaced, and the daily maintenance is simple
- Equipped with a maintenance door, it is convenient for replacement and maintenance of equipment blades, cleaning inside the box, etc.
- Outlet equipped with a hexagonal screen for controlling the output particle size.

	FS1S1200	FS1S1500	FS1S2000	FS1S2500	FS1S3000
Shaft Width	1200mm	1500mm	2000mm	2500mm	3000mm
Main motor power	75-110 KW	90-132 KW	110-160 KW	160-220KW	180-320KW
Shaft quantity	Single	Single	Single	Single	Single
Output screen hole size	10-100mm	10-100mm	10-100mm	10-100mm	10-100mm
Rotation speed	0-300 RPM	0-300 RPM	0-300 RPM	0-300 RPM	0-300 RPM
Shaft diameter	φ450-φ650 mm	φ450-φ650 mm	φ450-φ650 mm	φ450-φ650 mm	φ450-φ650 mm


- ▶ Throughput in tons per hour depends on waste density, The default model is motor drive
- ▶ Optional Motor Power: 45 KW / 55 KW /75 kW / 90 kW / 110 kW / 132 kW / 160 kW / 185 kW / 200 KW / 250 KW

WASTE VIBRATING SCREEN

WVS



- Three-in-one design(Vibrating Screen + Rod Screen + Flip Flop Screen)
- Step-type vibrating screen with rod
- Solve the problem of material jamming and blocking
- The bottom layer use Flip Flop Screen, can handle fine wet and sticky materials
- Large processing capacity, fast screening speed, suitable for decoration waste, stale waste, industrial waste


	WVS1860	WVS2160	WVS2460	WVS3060
Screen Width	1800 mm	2100 mm	2400 mm	3000 mm
Screen Lenth	6000 mm	6000 mm	6000 mm	6000 mm
Screen Hole	custom made	custom made	custom made	custom made
Power	22 KW	30 KW	30 KW	30+ KW
Throughput	30-80 m³/h	50-100 m³/h	60-130 m³/h	80-150 m³/h
Layers	Two decks	Two decks	Two decks	Two decks
Bottom Layer	Flip Flop Screen	Flip Flop Screen	Flip Flop Screen	Flip Flop Screen

- ▶ Throughput is depends on incoming waste density,
- ▶ Optional Motor Power: 45 KW / 55 KW /75 KW / 90 kW / 110 kW / 132 kW / 160 kW / 185 kW / 200 KW / 250 KW

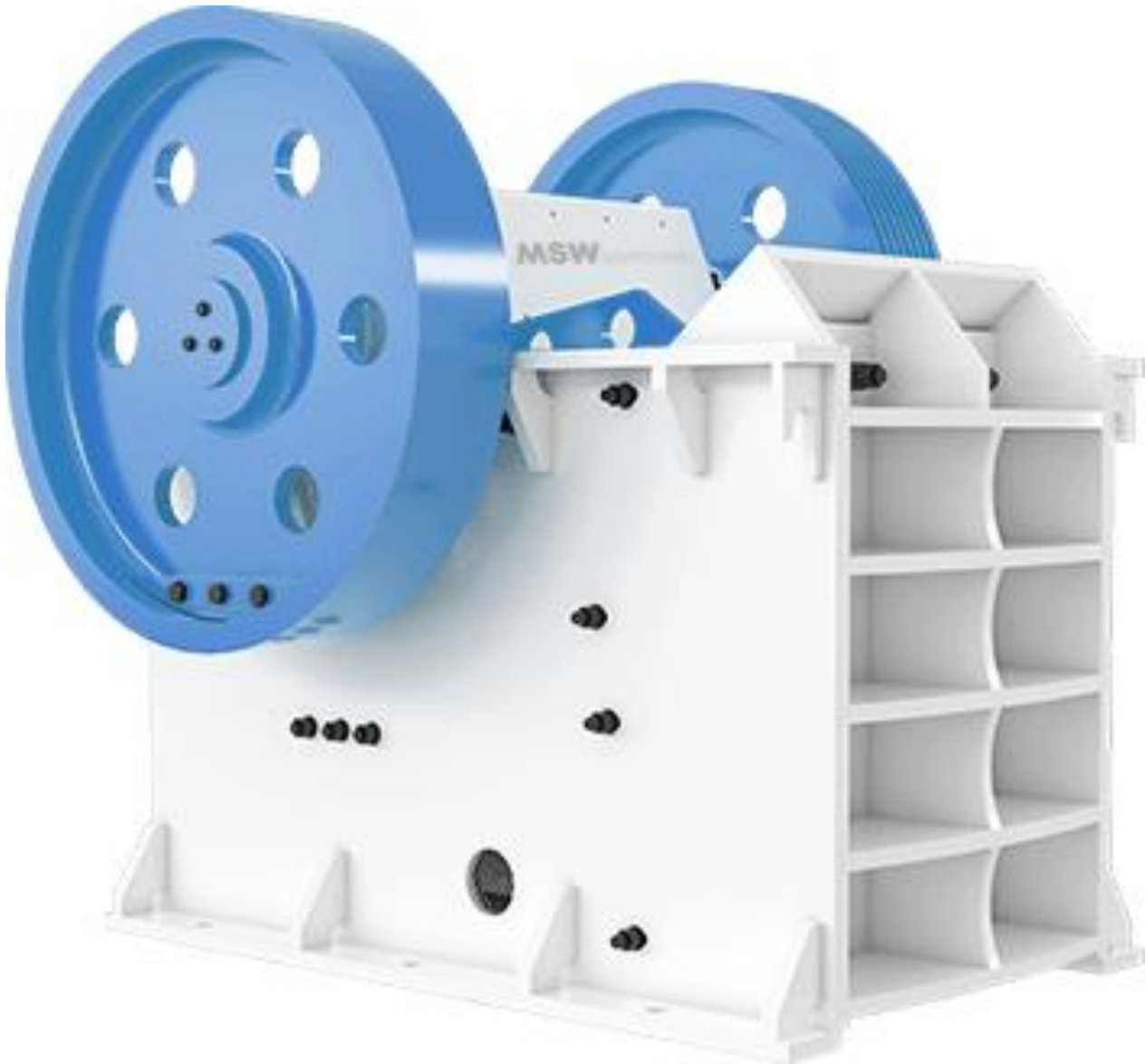
JAW CRUSHER

JC

- Primary Crushing for Concrete Construction Waste.
- High-Wear-Resistant Jaw Plate: Ensures superior reliability and durability.
- Centralized Lubrication System: Simplifies component replacement and reduces maintenance workload.
- High Crushing Ratio: Produces uniformly sized output.
- Energy Efficient: Reduces single-machine energy consumption by 15%–30%

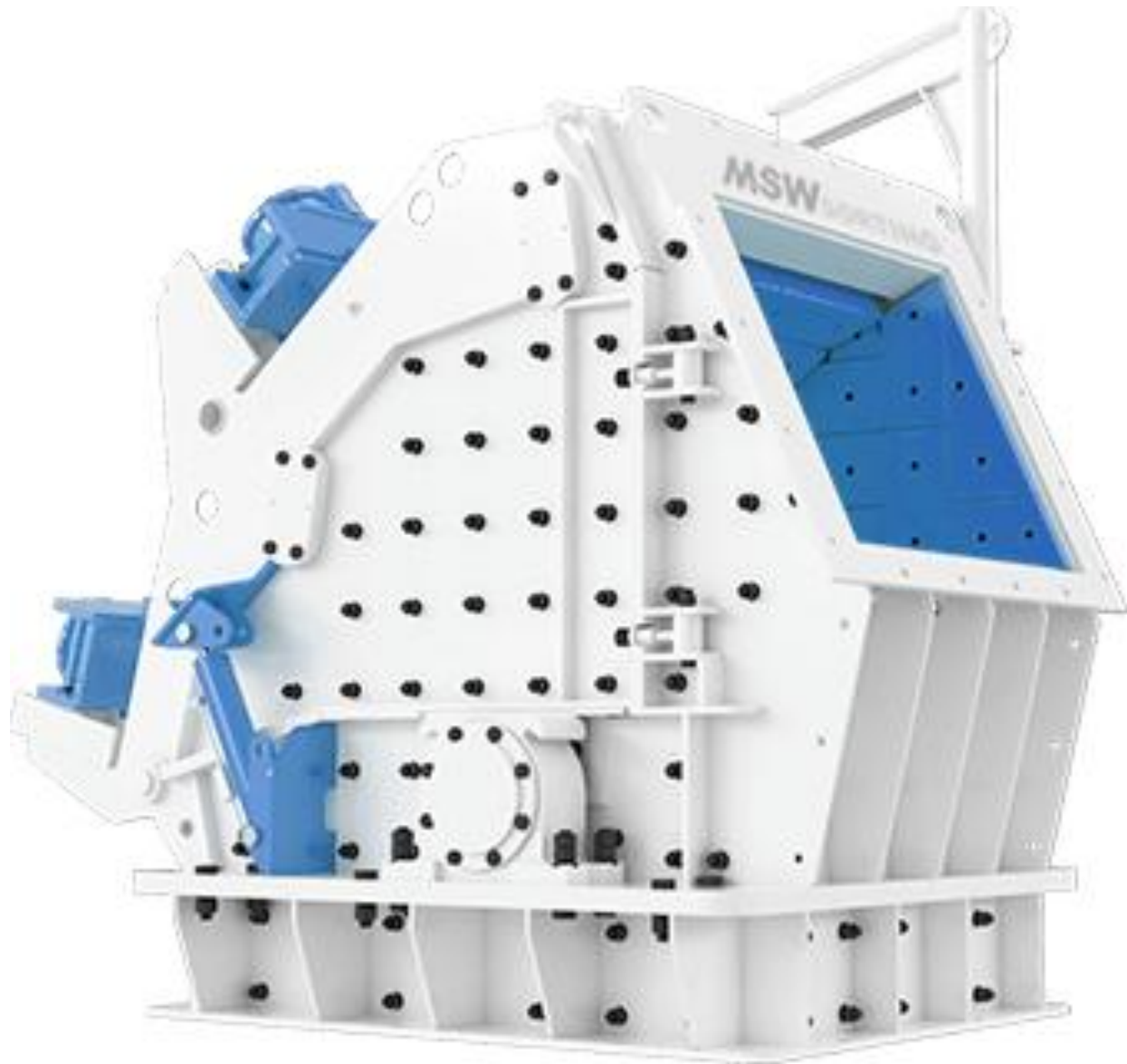
	PE500	PE600	PE750	PE870	PE1000	PE1500
Inlet size (mm)	500x750	600x900	750x1060	870x1060	1000x1200	1200x1500
Maximum feed size (mm)	425	500	630	750	850	1020
Discharge port (mm)	500-100	65-180	80-180	170-270	195-280	150-300
Power	55 KW	55-75 KW	90-110 KW	90-110 KW	110-132 KW	160KW
Throughput	25-60 m³/h	30-85 m³/h	72-150 m³/h	145-235 m³/h	190-275 m³/h	250-500 m³/h

- Throughput is depends on incoming C&D waste density,
- Optional Motor Power: 45 KW / 55 KW /75 kW / 90 kW / 110 kW / 132 kW / 160 kW / 185 kW / 200 KW / 250 KW




IMPACT CRUSHER

IC



- Large Feed Opening and Crushing Chamber: Enables high material throughput and a large crushing ratio.
- High Output: Enhanced rotor inertia ensures greater crushing efficiency.
- Reliable Rebar Separation Technology: Delivers cleaner materials.
- High-Strength Chamber: Constructed with structural steel welding for superior durability.
- Robust Structure: Features a long service life, high-quality bearings, and a hardened rotor surface design.

	IC0810	IC1110	IC1310	IC1315	IC1318	IC1520
Inlet size (mm)	800x1000	1045x1000	1300x1000	1300x1500	1300x1800	1500x2000
Maximum feed size (mm)	300-500	350-600	350-650	450-800	450-800	500-850
Power	90 KW	110-132 KW	132-160 KW	160-250 KW	320 KW	400-450 KW
Throughput	50-80 t/h	80-120 t/h	80-150 t/h	150-300 t/h	250-500 t/h	300-700 t/h

- ▶ Throughput in tons per hour depends on C&D waste density,
- ▶ Optional Motor Power: 45 KW / 55 KW /75 kW / 90 kW / 110 kW / 132 kW / 160 kW / 185 kW / 200 KW / 250 KW
- ▶ Maximum feed size is depend on soft and hard stone

WASTE BALER

WB



- Support PLC system operation, automatic and continuous baling delivery.
- Hydraulic drive, high pressure, high efficiency, high stability.
- The structure is tight and the closed structure makes the packing tighter.
- Simple operation, safe and reliable

	WB130	WB160	WB180	WB200	WB250
Pressure	130T	160T	180T	200T	250T
Max capacity	25 bales/hour	25 bales/hour	25 bales/hour	25 bales/hour	25 bales/hour
Bale Width/Heigth	1000-1500mm (optional)	1000-1500mm (optional)	1000-1500mm (optional)	1000-1500mm (optional)	1000-1500mm (optional)
Bale length	Adjustable	Adjustable	Adjustable	Adjustable	Adjustable
Auto-strapping	optional	optional	optional	optional	optional
Oil tank	1000-1500L	1000-1500L	1000-1500L	1000-1500L	1000-1500L
Feeding Conveyor					
Width	1200-1600mm	1200-1600mm	1200-1600mm	1200-1600mm	1200-1600mm
Power	3-5.5KW	3-5.5KW	3-5.5KW	3-5.5KW	3-5.5KW

- Continuous discharge and baling system is optional
- Fully automatic and semi-automatic are optional(depend on incoming waste type)
- With side door and without side door are optional(depend on incoming waste type)

METAL BALER

MB



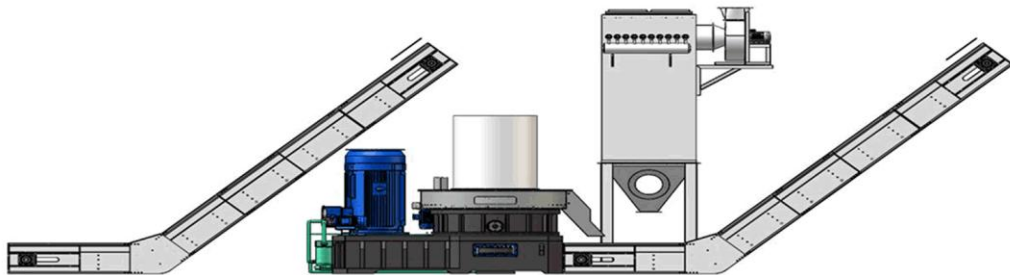
- Suitable for baling scrap steel, scrap aluminum, iron, cans, stainless steel and other metals
- The baler delivery methods are optional include turn over, push forward, push side.
- Can be equipped with diesel engine as power.
- Hydraulic push, optional manual operation or PLC control.
- Metal bale is tight and easy to transport.



	MBC250	MBC300	MBC315	MBF125	MBF160	MBF200
Power	62.2KW	90KW	94KW	18.5KW	22KW	44KW
Input size	1800×1400×700mm	1800×1400×700mm	2000×1800×950mm	1010x800mm	1500x900mm	1600x1200mm
Output size	300x300mm	350x350mm	400x400mm	300x300mm	400x400mm	450x450mm
Outlet style	push	push	push	turn over	turn over	turn over

RDF MAKING MACHINE

RM



- > Solve technical problems in RDF-5 pellet systems..
- > Using high-precision gear transmission.
- > It adopts planetary gear reducer and unique design of pressure rollers.
- > The independent discharge device ensures the molding rate of granulation.
- > Patented cooling system, constant temperature production, to achieve continuous 24-hour non-stop work.
- > High yield, high efficiency, low energy consumption, low failure and low cost.
- > RDF pellet diameter: <20mm (0-20mm options)
- > RDF Briquettes diameter: <35mm (32mm)

	RM100	RM300	RM500	RM120B	RM180B
Power	132+3kw	220+3.7kw	280+4.2kw	200 KW	210 KW
Ring die diameter	560mm	850mm	980mm	120 die	180 die
Ring Die Layer	Two	Two	Two	One	Two
Running noise	< 80 db	< 80 db	< 80 db	< 80 db	< 80 db
Feed moisture limit	15-20%	15-20%	15-20%	<25%	<25%
Feed material size limit	<20mm	<20mm	<20mm	<50 mm	<50 mm
Pellet Diameter	<20mm	<20mm	<20mm	<35 mm	<35 mm

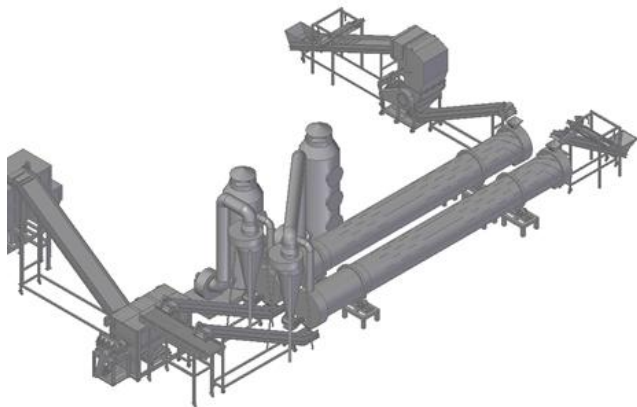
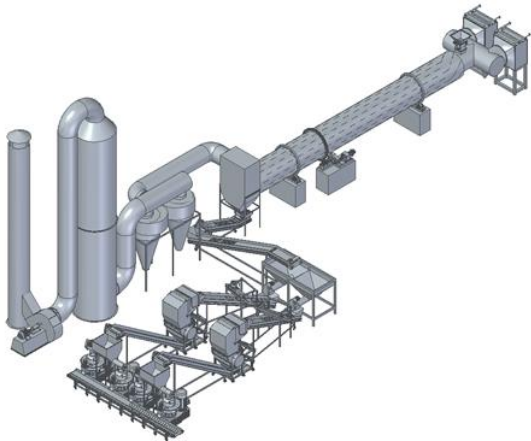
Throughput in tons per hour depends on feeding waste density.


ROTARY DRUM DRYER

RDD



- > Low-Temperature Drying: Operates below 200°C(depend on waste moisture)
- > Multi-Stage Drying Technology: Three-stage drying process (low-temperature preheating, main drying, and constant-temperature slow drying) minimizes plastic thermal shrinkage and fire risks.
- > Anti-Sticking Drum Coating: Specialized proprietary coating prevents material adhesion and buildup on drum interior surfaces.
- > Patented Lifting Flight Design: Advanced flight configuration repeatedly lifts and drops RDF to enhance material dispersion, maximize hot air contact, improve thermal efficiency, and prevent blockages.
- > Cyclone dust collector + bag pulse dust collector + wet spray dust collector
- > Wide range of heat sources, including gas, oil, coal, biomass, electric heating and electromagnetic heating



	RDD20	RDD25	RDD30
Drum Diameter	2 meter	2.5 meter	3 meter
Drum Length	15-20 meter	18-25 meter	20-30 meter
Moisture before drying:	30%-70%	30%-70%	30%-70%
Moisture after drying :	<20%	<20%	<20%
Feed moisture limit	15-20%	15-20%	15-20%
Cyclone dust collector	yes	yes	yes
Wet spray dust collector r	yes	yes	yes
Bag pulse dust collector	Optional	Optional	Optional

WRAPPING MACHINE



- Perfect Integration: Seamlessly connects with waste balers for streamlined operations.
- Ideal for Shredded Waste: Suitable for small-sized waste like SRF and RDF.
- Full Automatic Wrapping: Continuous wrapping prevents waste spillage; film widths of 500mm or 700mm available.
- Adjustable Rotation Speed: Customizable to meet specific packaging requirements.
- High Efficiency: Maximizes productivity with low energy consumption and long service life.

	WWM10	WWM15	WWM20
Wrapping quantity	10-15 pcs/hour	15-20 pcs/hour	20-25 pcs/hour
Diameter	<2000mm	<2000mm	<2000mm
Load Capacity	< 1500 kg	< 1500 kg	< 1500 kg
Rotational Speed	24 RPM	24 RPM	24 RPM
Power	4KW	4KW	4KW
Film Raw Materials	PE	PE	PE
Control	PLC	PLC	PLC




BELT CONVEYOR

BC



- EP200/300/400 (3-4 layers) optional, strong tear resistance.
- Pull-cord + E-stop button
- Equipped with side guards and upper guards to form a sealed structure for easy disassembly
- There is a sweeper at the end of the equipment, which has the function of anti-winding
- Frequency conversion control reducer, with emergency brake function.
- All the metallic parts will be sand blasted. Meet Sa2.5 surface treatment requirements.
- Double layer of coat primer and double layer of Epoxy coat.



	BC800	BC1000	BC1200	BC1400	BC1600
Belt Width	800mm	1000mm	1200mm	1600mm	1800mm
Length	optional	optional	optional	optional	optional
Installation angle	< 21°	< 21°	< 21°	< 21°	< 21°
Throughput	20-30m³/h	40-50m³/h	60-70m³/h	80-90m³/h	90-100m³/h
Power	>3Kw	>3Kw	>3Kw	>3Kw	>3Kw


MANUAL SORTING ROOM

MSR

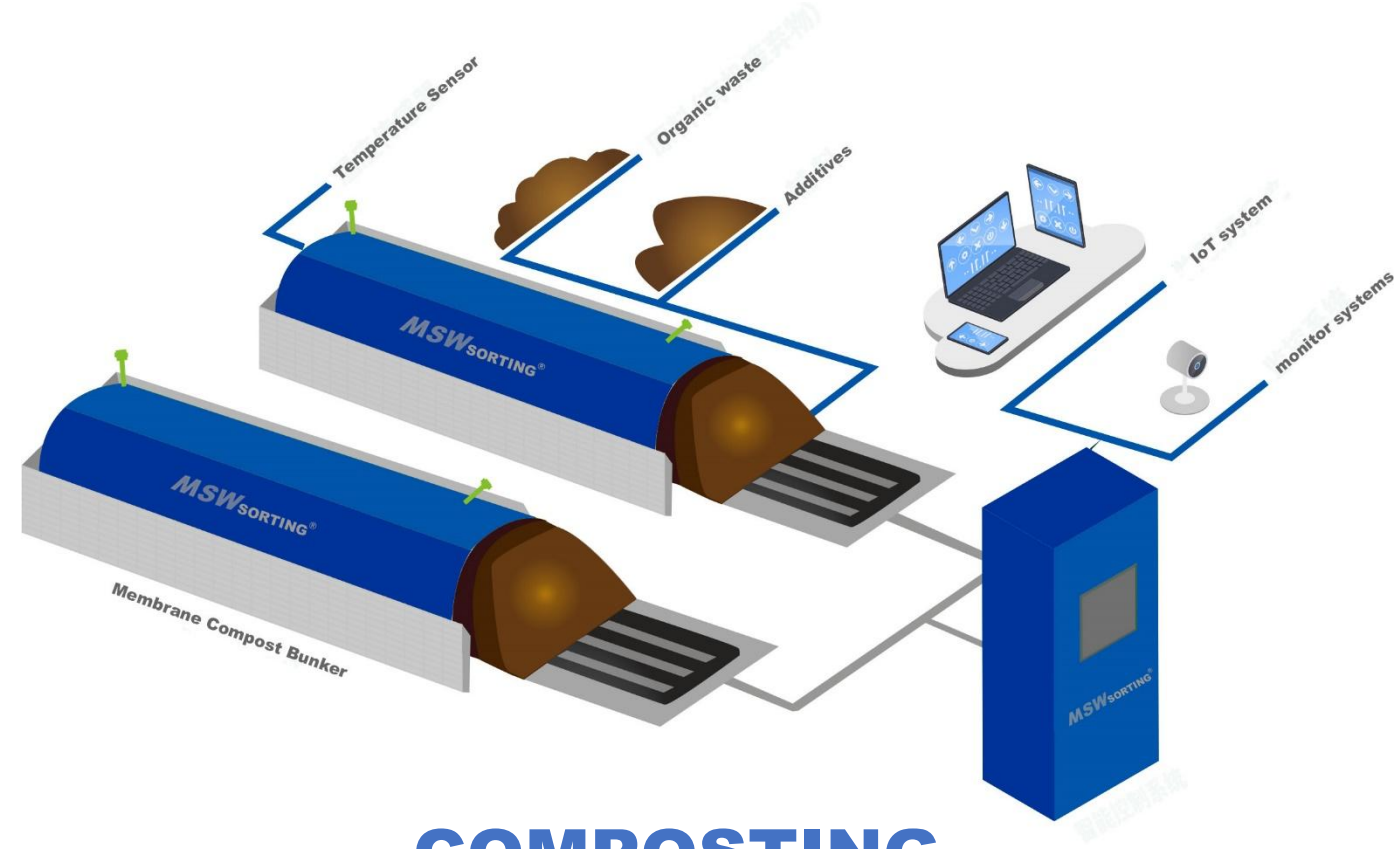


- The sorting house adopts the color steel tile structure
- Optional fresh air system and air conditioning system
- Receive hopper type can be customized
- Sorting station quantity can be customized
- Containerized waste receiving bins can be customized according to project needs

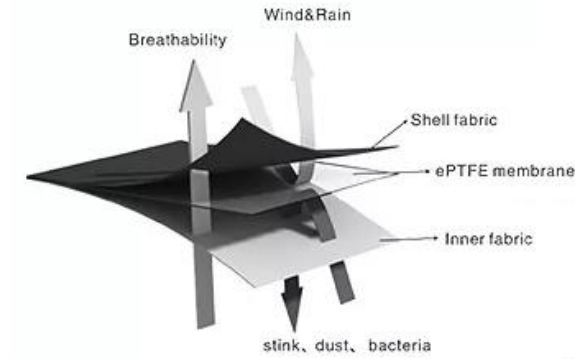


	MSR2P	MSR4P	MSR6P	MSR8P	MSRXP
Sorting station	2	4	6	8	Optional
Room Width	3.5m +	3.5m +	3.5m +	3.5m +	Optional
Room Length	Optional	Optional	Optional	Optional	Optional
Height	2-6.5 meter	2-6.5 meter	2-6.5 meter	2-6.5 meter	Optional

MEMBRANE COMPOSTING SYSTEM



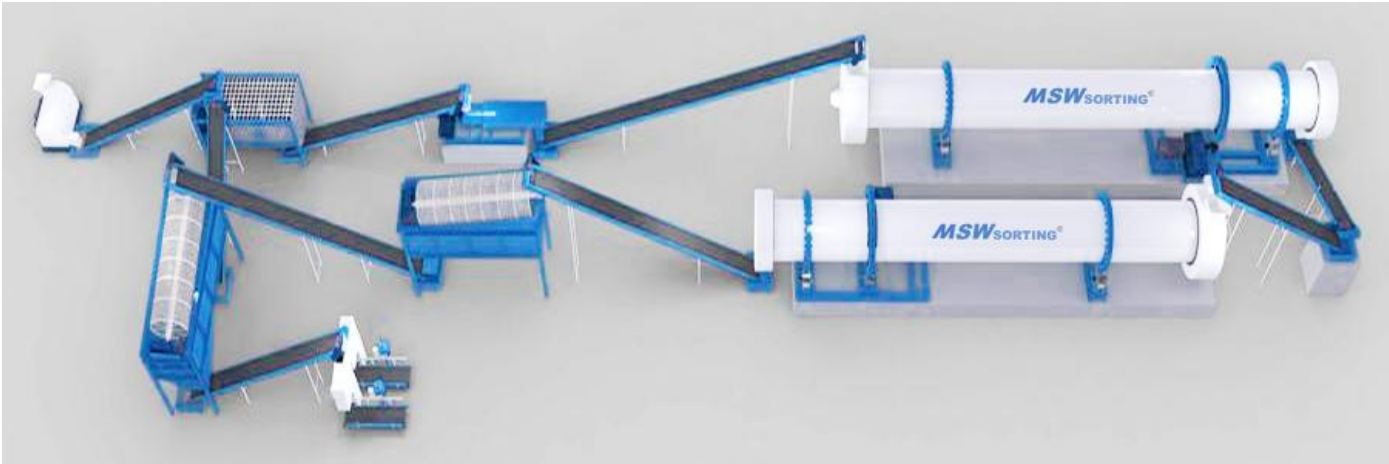
COMPOSTING



- 01 Moisture Mist
- 02 Breathability
- 03 Temperature
- 04 Wind & Rain
- 05 Microorganisms
- 06 EPTFE membrane
- 07 Organic waste stack

MCS

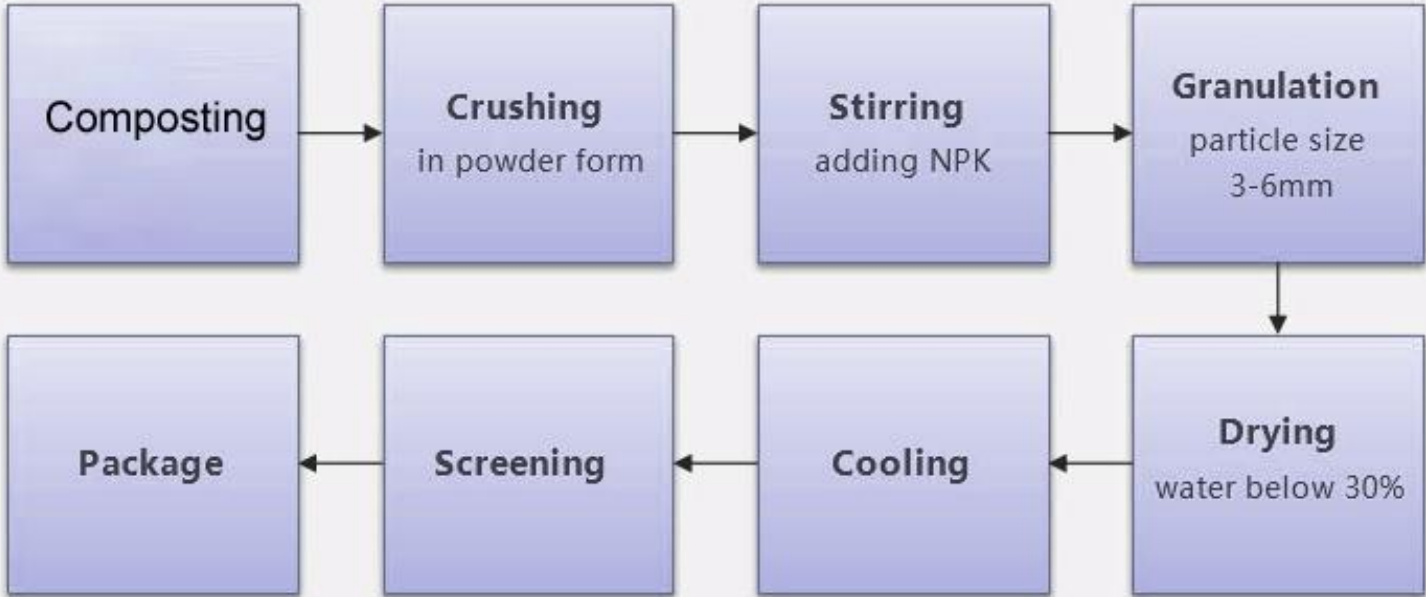
ORGANIC FERTILIZER GRANULATION



GRANULATING



OFG



	OFG2	OFG3	OFG5
Annual output	20000 ton/year	30000 ton/year	50000 ton/year
Power	65KW+	100KW+	130KW+
NPK line	optional	optional	optional

PYROLYSIS SYSTEM

PS

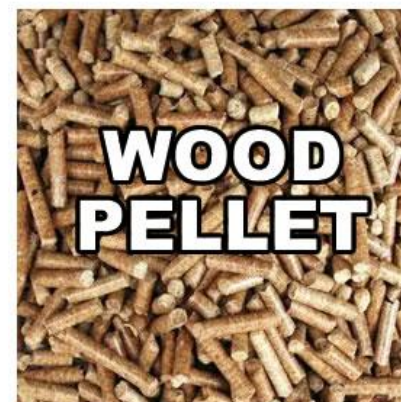


No.	Name	Unit	Quantity	Note
1	Daily dispose capacity	T/D	30	Optional: 10,20,50
2	Annual working time	天	> 300	
3	Pressure	Kpa	< 0.02	
4	Cooling method			Water
5	Cooling circulating water	m³	40	recycle
6	Dust removal circulating water	m³	3	recycle
7	Dust removal water consumption	m³/d	0.2	Dust collector evaporation loss
9	Pyrolysis temperature	℃	< 450	
13	Flue gas system pressure	Pa	1752-1726	
14	Daily power consumption	KW.H per day	60	
15	Daily consumption of sodium chlorate	g/d	1	
16	Daily consumption of activated carbon	kg/d	2	
17	Daily limestone consumption	kg/d	1	
18	Noise control	bB	< 70	
19	bio-charcoal	Output is based on input waste composition		
20	Fuel oil	Output is based on input waste composition		
21	Biogas	For pyrolysis heating recycling		

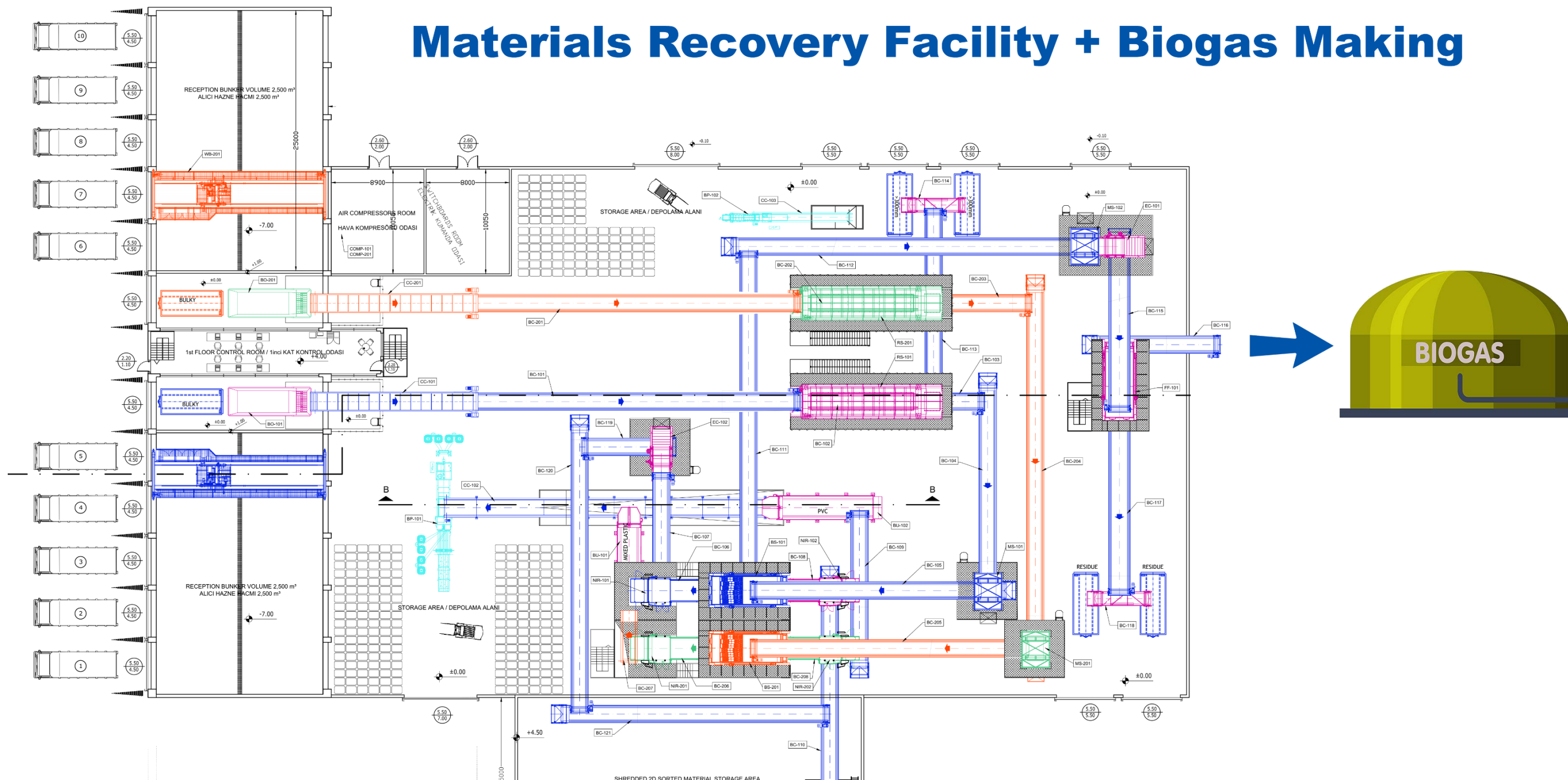
RECYCLABLES FROM MSW

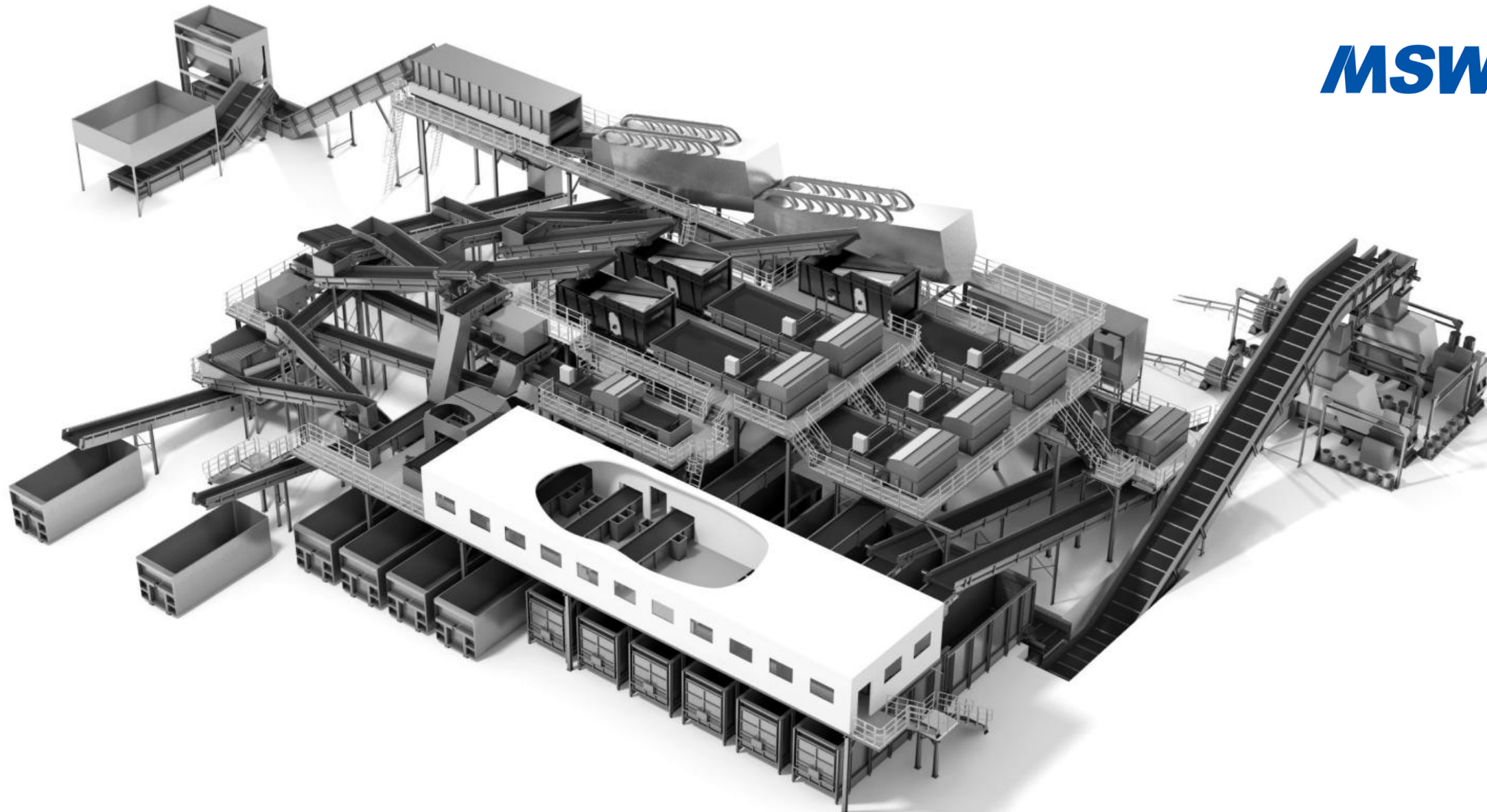


PRODUCTS AFTER DEEP PROCESSING



Materials Recovery Facility + Biogas Making





Leading Waste sorting solutions provider