

***MSW*SORTING®**

**SOLUTIONS PROVIDER OF
WASTE SORTING & RECYCLING**

MSW

MSW TECHNOLOGY

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MSW[®]**SORTING**

MSWsorting has been committed to 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 MSW technology team who from University of Science and Technology, 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 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.

	CPF10	CPF12	CPF14	CPF16	CPF18	CPF20
Width	1000mm	1200mm	1400mm	1600mm	1800mm	2000mm
Length	6/8/10m	6/8/10m	6/8/10m	6/8/10m	6/8/10m	6/8/10m
Speed	<0.1m/s	<0.1m/s	<0.1m/s	<0.1m/s	<0.1m/s	<0.1m/s
Hopper	10-50m³	10-50m³	10-50m³	10-50m³	10-50m³	10-50m³
Power	7.5/15kw	7.5/15kw	7.5/15kw	7.5/15kw	7.5/15kw	7.5/15kw
Drive device	Reducer + Roller chain					
Chain pitch	250mm (Optional)					
Throughput	10-20m³/h	20-30m³/h	30-40m³/h	40-50m³/h	50-60m³/h	60-70m³/h

► Throughput in tons per hour depends on waste density.




FEEDER + WASTE DISTRIBUTOR

CPFD



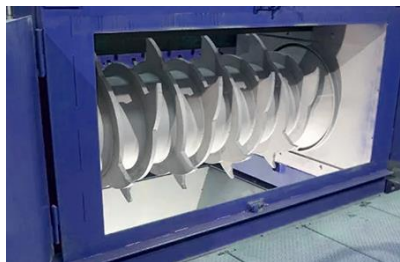
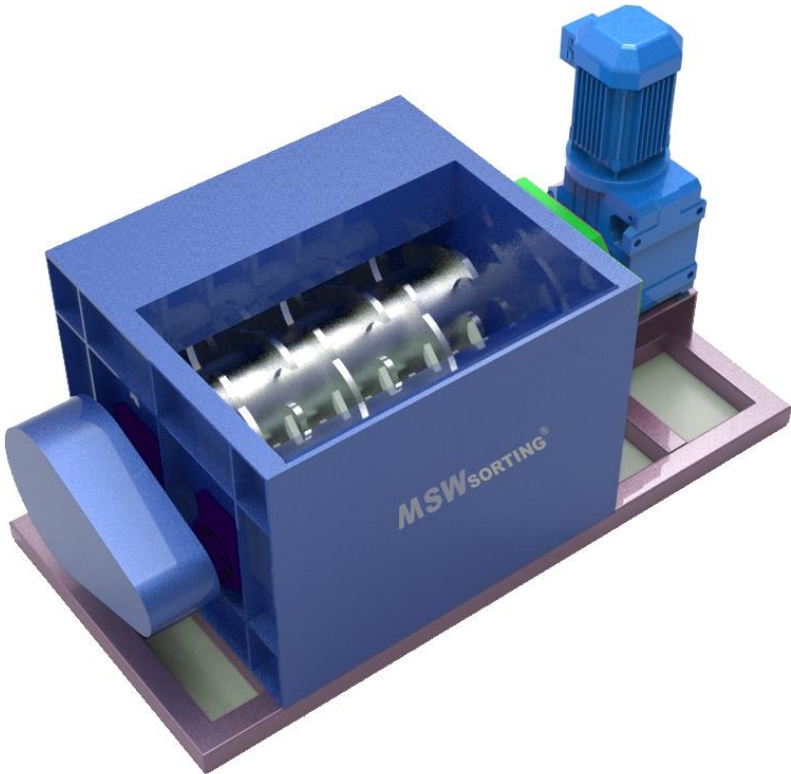
- Distributor drum has anti-winding device on it. Installed at the end of the feeding machine.
- Suitable for a wide range of material. Mixed waste, residual waste, household waste, landfill waste.
- Has strong impact resistance, no fear of falling impact from heavy garbage.
- Low servicing and maintenance 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	6/8/10m	6/8/10m	6/8/10m	6/8/10m	6/8/10m
Speed	<0.1m/s	<0.1m/s	<0.1m/s	<0.1m/s	<0.1m/s
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	15/22.5kw	15/22.5kw
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, prevent winding effectively.
- The gap between the fixed rotor and the moving rotor is adjustable according to the waste.
- 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.

	BO12	BO14	BO16	BO18
Width	1200mm	1400mm	1600mm	1800mm
Number of rotors	Two	Two	Two	Two
Speed of the main rotor	0-25 rpm	0-25 rpm	0-25 rpm	0-25 rpm
Speed of second rotor	0-5 rpm	0-5 rpm	0-5 rpm	0-5 rpm
Power	15+5.5kw	15+5.5kw	15+7.5kw	15+7.5kw
Throughput	10-30m³/h	20-50m³/h	40-80m³/h	60-100m³/h


► Throughput in tons per hour depends on waste density.

TROMMEL SCREEN

TS



- Using friction transmission, reduce vibration deviation, increase service life.
- The surface of the supporting wheel is made of polyurethane material, which is wear-resistant and shock-absorbing
- 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	TS2506	TS2508	TS3008	TS3010
Length of sieve	4000mm	6000mm	6000mm	8000mm	8000mm	10000mm
Diameter	1800mm	1800mm	2500mm	2500mm	3000mm	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	11kw	15kw	15kw	18.5kw	22kw	30kw
Throughput	10-20m³/h	20-35m³/h	35-50m³/h	50-65m³/h	65-80m³/h	80-100m³/h

► Throughput in tons per hour depends on waste density.

BALLISTIC SEPARATOR

BS



- Equipped with inspection door and safety protection device to prevent misoperation.
- Automatically/manually adjust the angle to increase the sorting accuracy.
- Directly connected drive shaft with geared motor.
- 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	5.5m	5.5m	5.5m	5.5m	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	5.5kw	7.5kw	11kw	11kw	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.

AIR SEPARATOR

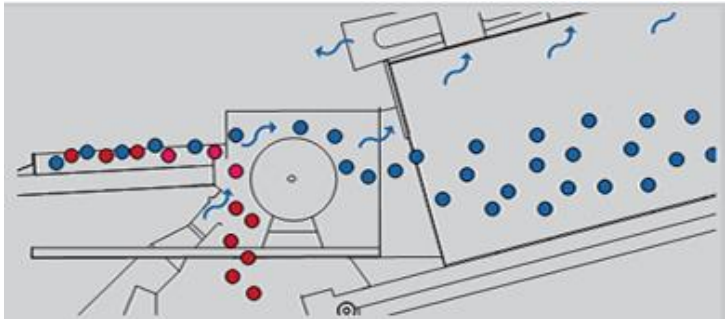
AS



- 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 Q235B, and the thickness of the plate is optional.
- Meet Sa2.5 surface treatment requirements.

	AS800	AS1200	AS1600
Feeding Belt Width	800mm	1200mm	1600mm
Air volume	8000-19000 m³/h	12000-29000 m³/h	15000-35000 m³/h
Full pressure	2500Pa	2500Pa	2500Pa
Power	38kw	42kw	55kw
Throughput	20-30 m³/h	30-50 m³/h	50-70 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.



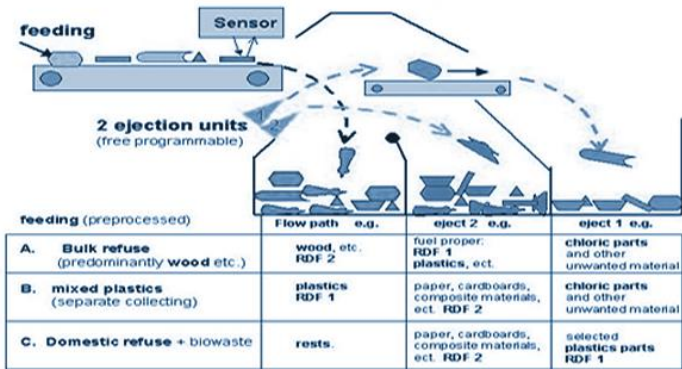
	SRS	SRG	SRR
Sorting Model	Suck up	Grab up	Grab up
Picking times per hour	5500	4000	2000
Max picking weight	0.5kg	2kg	20kg
Belt Speed	<0.8m/s	<0.8m/s	<0.8m/s
Receive hooper quantity	3+3	3+3	>12
Max picking size	500x300x200mm	500x300x200mm	500x300x200mm
Min picking size	50x50x10mm	50x50x10mm	50x50x10mm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

OPTICAL SORTER

OS



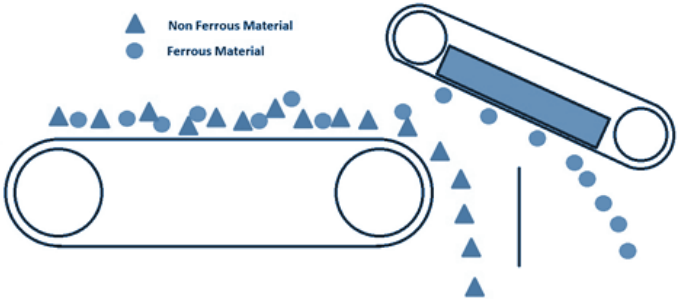
- Near-infrared, visible light spectroscopy, metal detection, artificial intelligence, a variety of sensors are optional
- Able to accurately sort recyclables from mixed domestic waste.
- Can sort PET bottles, HDPE bottles, cans, cardboard. plastic bottle can be sorted according to color, material
- Refined, intelligent and digital sorting.
- The sorting accuracy rate can reach more than 95%, and the material carry-out rate is low.
- High-speed ejector valve, the maximum belt speed can reach 6.5 m/s, large amount of processing



	OS1400	OS2000	OS2800
Belt Width	1400mm	2000mm	2800mm
Belt Length	6000mm	6000mm	6000mm
Standard belt speed	3.5 m/s	3.5 m/s	3.5 m/s
Max input material size	300mm	300mm	300mm
Min input material size	10mm	10mm	10mm
Sorting Precision	>95%	>95%	>95%
Power	11KW	11 KW	16 KW

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

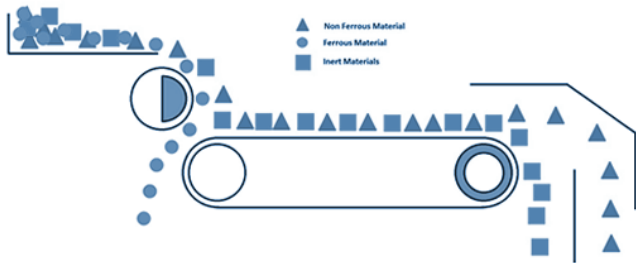
► EMS series products are electromagnetic separator


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	ECS1250	ECS1500	ECS2000
Belt Width	800mm	1000mm	1250mm	1500mm	2000mm
Belt Speed	0-1 m/s	0-1 m/s	0-1 m/s	0-1 m/s	0-1 m/s
Automatic Feeder	include	include	include	include	include
Feeder Power	0.55x2kw	0.55x2kw	0.75x2kw	0.75x2kw	2kw
Sorter Power	2.2+4kw	2.2+4kw	4+7.5kw	4+7.5kw	4+7.5kw



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	WS2S1500	WS2S1800	WS2S2100	WS2S2400	WS2S2700
Box Width	1200mm	1500mm	1800mm	2100mm	2400mm	2700mm
Blade Number	15-60	15-60	15-60	15-60	15-60	15-60
Drive Model	Motor/Hydraulic	Motor/Hydraulic	Motor/Hydraulic	Motor/Hydraulic	Motor/Hydraulic	Motor/Hydraulic
Power	45x2KW	75x2KW	90x2KW	110x2KW	132x2KW	160x2KW
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

FINE SHREDDER

FS



- Single shaft shredding system, optional motor or hydraulic drive.
- 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.

	FS1S1500	FS1S2000	FS1S2500	FS1S3000
Box Width	1500mm	2000mm	2500mm	3000mm
Motor power	90x2Kw	132x2Kw	160x2Kw	180x2Kw
Hydraulic station power	5.5-15Kw	5.5-15Kw	5.5-15Kw	5.5-15Kw
Screen hole size	10-80mm	10-80mm	10-80mm	10-80mm
Throughput	5-10m³/h	10-20 m³/h	15-25 m³/h	20-30 m³/h

► Throughput in tons per hour depends on waste density, The default model is motor drive

WASTE BALER

WB



- Support PLC system operation, automatic and continuous package 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
Feeding hopper size	2050x1150mm	2050x1150mm	2050x1150mm	2050x1150mm	2050x1150mm
Working pressure	25 Mpa	25 Mpa	25 Mpa	25 Mpa	25 Mpa
Wire quantity	7	7	7	7	7
Bale weight	1000-1100kg	1200-1300kg	1300-1600kg	1600-1800kg	1600-1800kg
Bale size	1700x1150x1250mm	1700x1150x1250mm	1700x1150x1250mm	1700x1150x1250mm	1700x1150x1250mm
Capacity	5000-6000kg/h	6000-7000kg/h	7000-8500kg/h	8000-9000kg/h	8000-9000kg/h
Oil tank	1200L	1400L	1500L	1500L	1500L
Working power	37KW	45KW	52KW	52KW	60KW
Feeding Conveyor					
Width	1500mm	1500mm	1500mm	1500mm	1500mm
Power	5.5KW	5.5KW	5.5KW	5.5KW	5.5KW
Cooling Tower					
Power	0.25KW	0.25KW	0.25KW	0.25KW	0.25KW

► Throughput data is based on paper/cardboard.

METAL BALER

MB



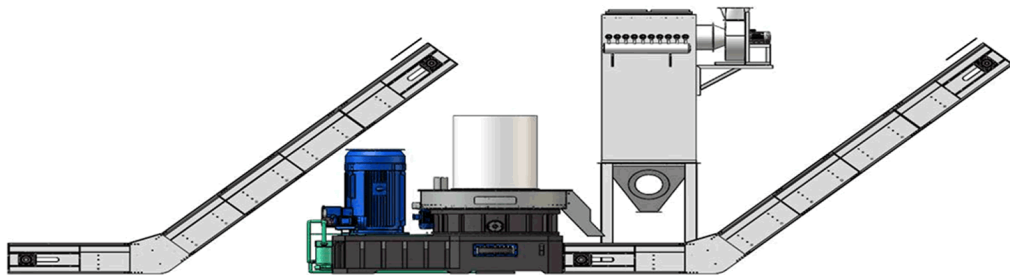
- Suitable for baling scrap steel, scrap aluminum, iron, cans, stainless steel and other metals
- The baler delivery methods are optional include turn over, push forward, push side.
- Can be equipped with diesel engine as power.
- Hydraulic drive, optional manual operation or PLC automatic control.
-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




	MBQ125	MBQ160	MBQ200	MBF125	MBF160	MBF200
Pressure	25Mpa	25Mpa	25Mpa	25Mpa	25Mpa	25Mpa
Power	18.5KW	22KW	44KW	18.5KW	22KW	44KW
Input size	1550x600mm	1600x950mm	1400x700mm	1010x800mm	1500x900mm	1600x1200mm
Output size	600x300mm	950x300mm	700x280mm	280x280mm	400x400mm	450x450mm
Outlet style	push	push	push	turn over	turn over	turn over

RDF MAKING MACHINE

RM



- > Solve technical problems in RDF-5 pelleting systems..
- > Using high-precision gear transmission, the pressure roller has no bearings and no grease.
- > It adopts planetary gear reducer and unique design of four 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.

	RM100	RM300	RM500
Power	75+3kw	220+3.7kw	280+4.2kw
Ring die diameter	580mm	780mm	980mm
Cooling type	Oil cooling	Oil cooling	Oil cooling
Running noise	< 80 db	< 80 db	< 80 db
Feed moisture limit	15-20%	15-20%	15-20%
Feed material size limit	<50mm	<50mm	<50mm
Pellet Diameter	20mm	20mm	20mm
Capacity	1-2T/H	2-3T/H	4-5T/H


BELT CONVEYOR

BC



- EP200 polyester layer with strong tear resistance.
- 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
Belt Speed	<1.2m/s	<1.2m/s	<1.2m/s	<1.2m/s	<1.2m/s
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

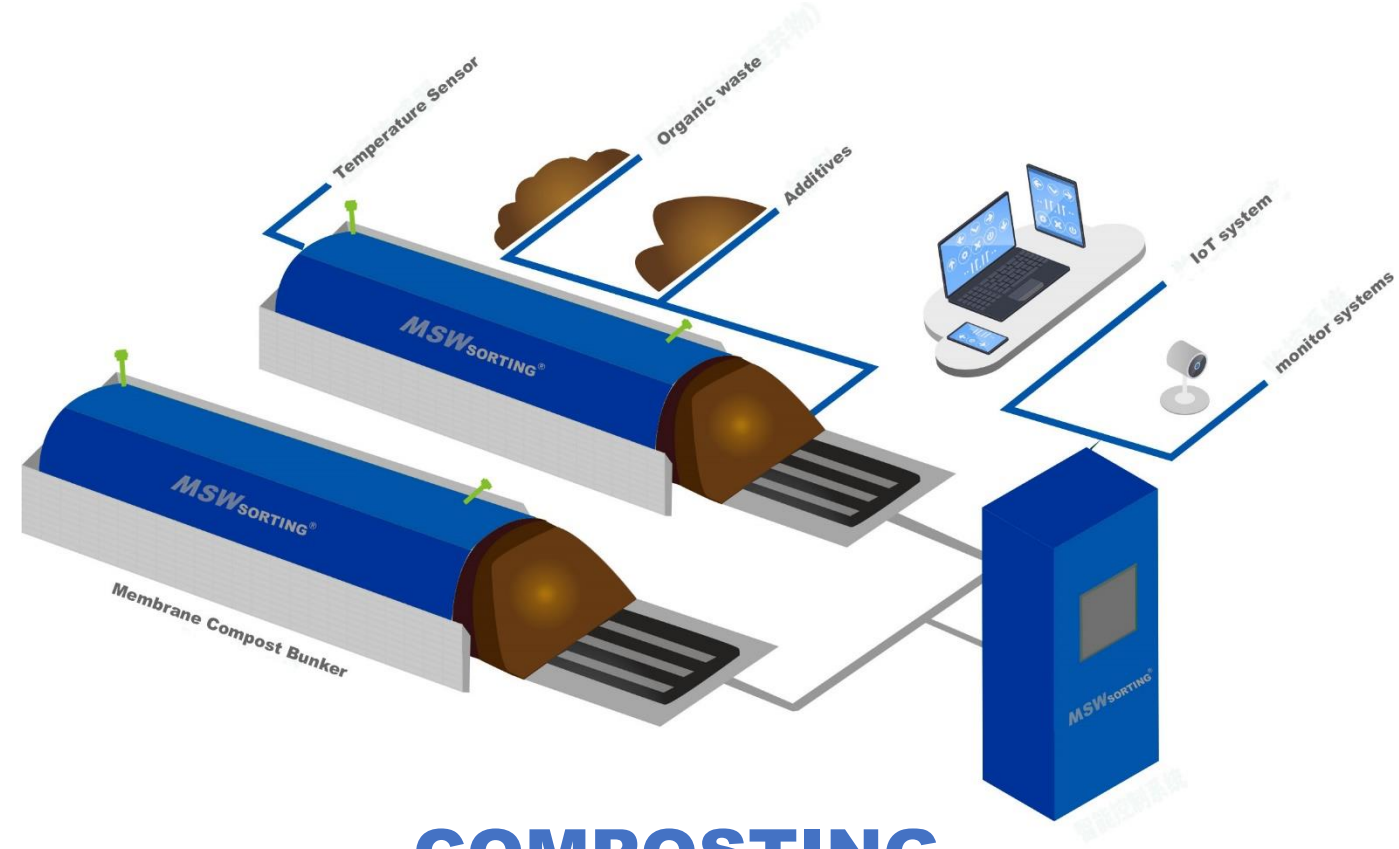


- The sorting house adopts the color steel tile structure
- Optional fresh air system and air conditioning system
- Receive hopper type can be customized
- Sorting station quantity can be customized
- Containerized waste receiving bins can be customized according to project needs

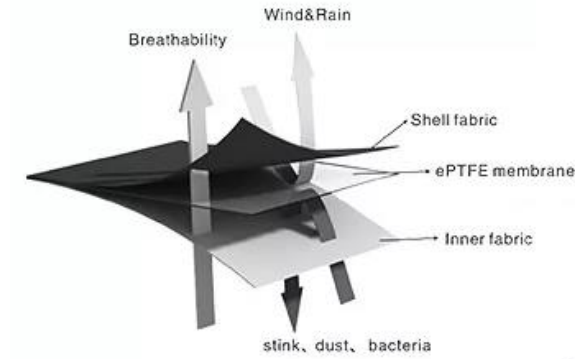


	MSR2P	MSR4P	MSR6P	MSR8P	MSRXP
Sorting station	2	4	6	8	Optional
Room Width	5300mm	5300mm	5300mm	5300mm	Optional
Room Length	3500mm	7000mm	10500mm	12500mm	Optional
Height	2-6.5 meter	2-6.5 meter	2-6.5 meter	2-6.5 meter	Optional

MEMBRANE COMPOSTING SYSTEM



COMPOSTING

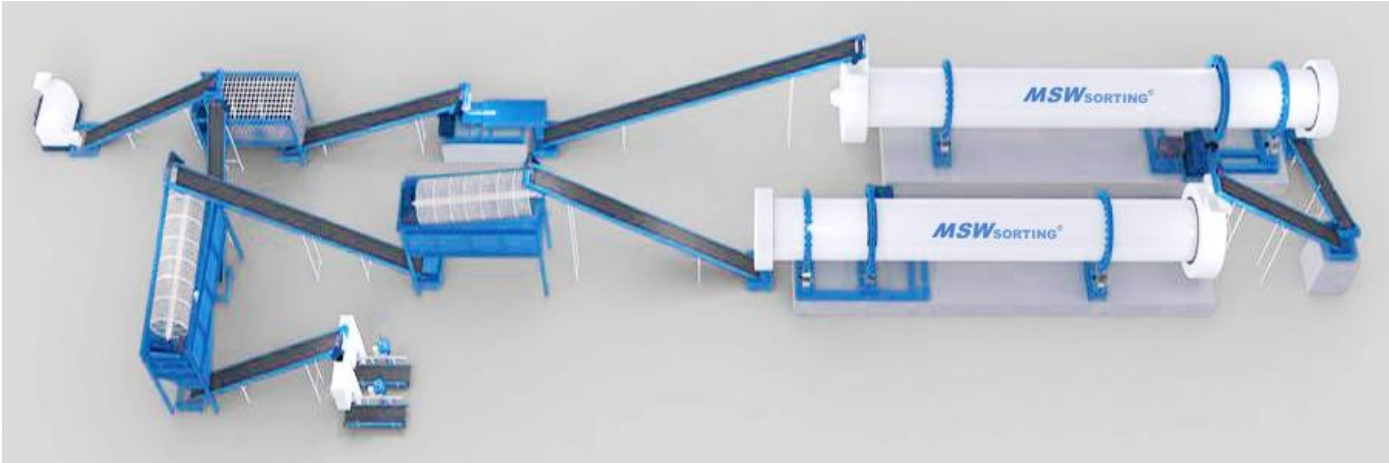


MCS



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

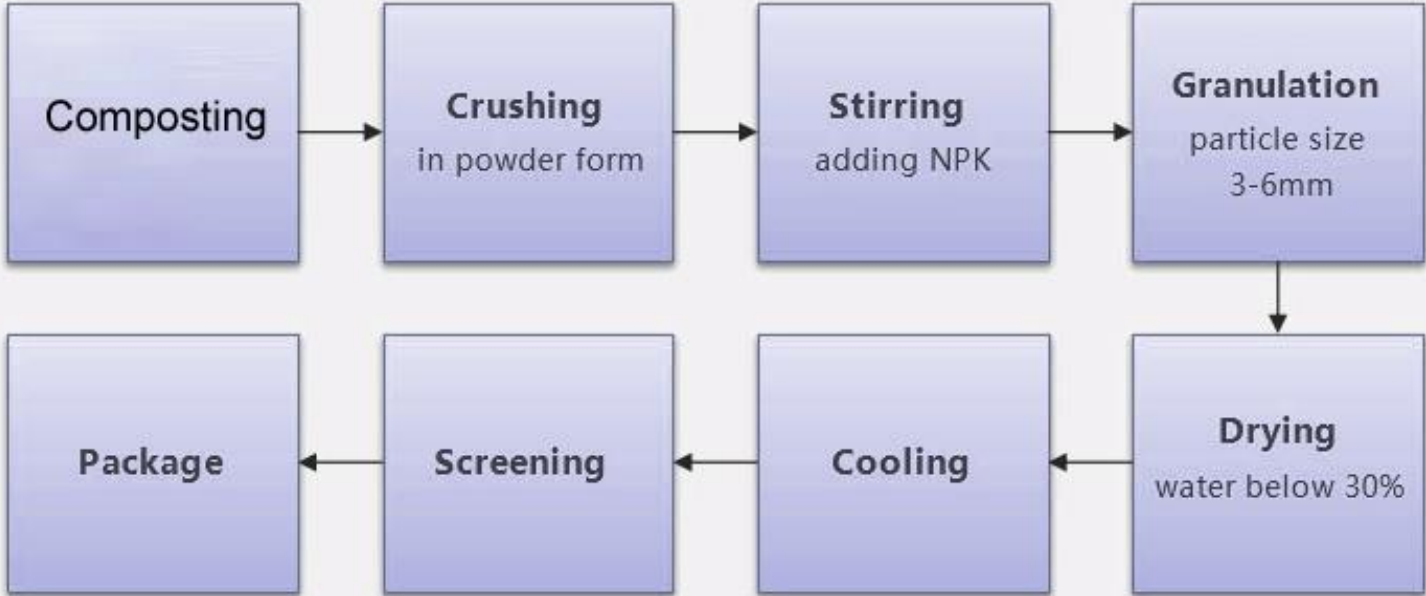
ORGANIC FERTILIZER GRANULATION



GRANULATING



OFG



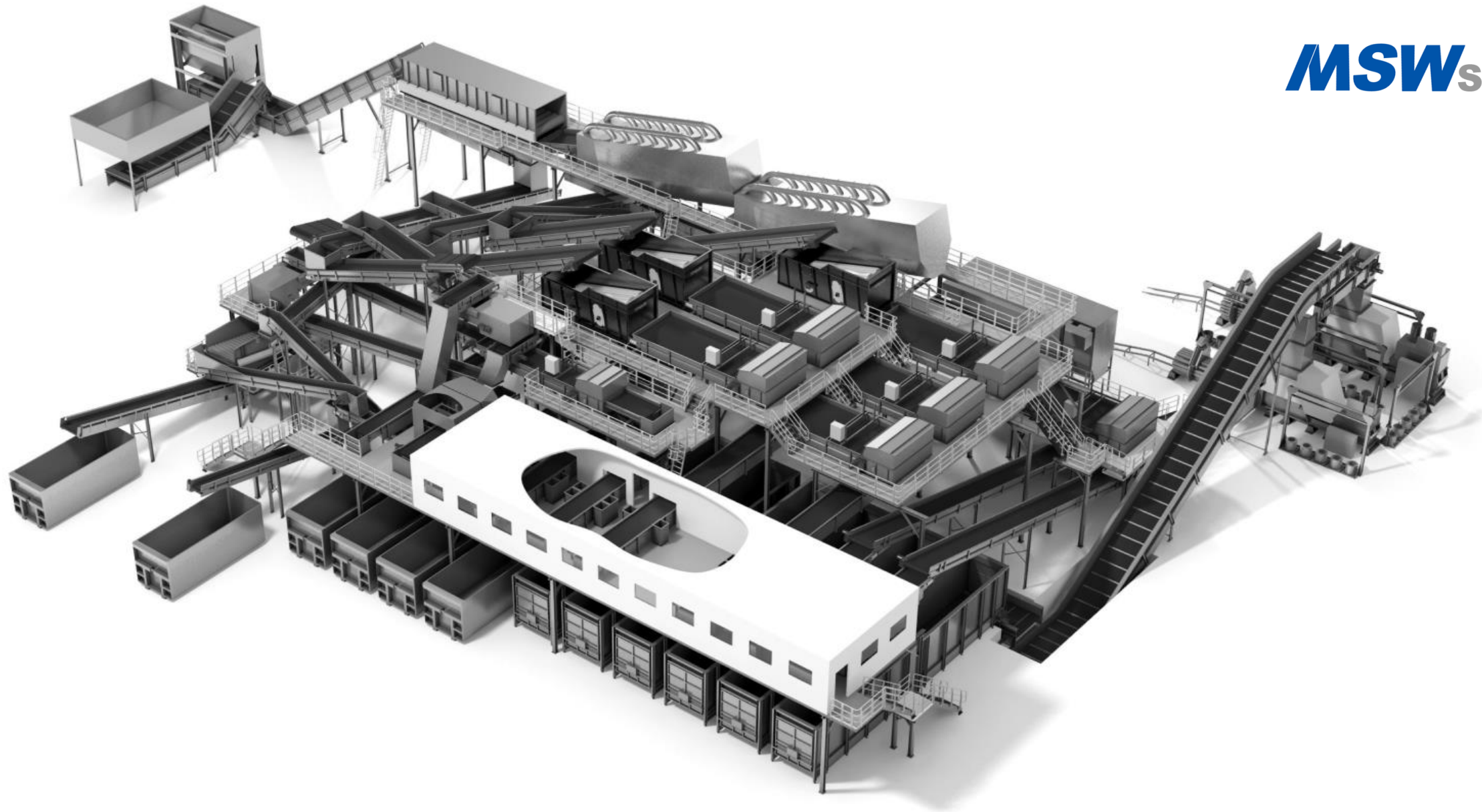
	OFG2	OFG3	OFG5
Annual output	20000 ton/year	30000 ton/year	50000 ton/year
Power	65KW+	100KW+	130KW+
NPK line	optional	optional	optional

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		



Leading Waste sorting solutions provider