

Maywa

Product List



- Wet-type Dust Collector
- Dry-type Dust Collector
- Wastewater Treatment System
- Rice Husk Expanding & Softening Machine
- Crushing, Drying & Carbonization System
- Biomass Gasification System
- Waste Gas Desulphurization System
- Waste Gas Treatment System
- Coal Stove

Creating harmony with nature ...

Maywa. Co., Ltd.



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Wet-type Dust Collector

For facilities and the surroundings

- High and stable dust removal efficiency
- Easy maintenance and low-cost operation
- Economical washing water circulation method
- Compact layout

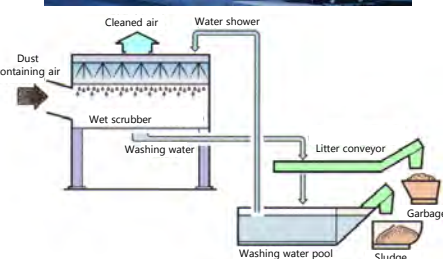
Suitable for:

Country elevator, Garbage disposal facility, Scrap factory, etc.

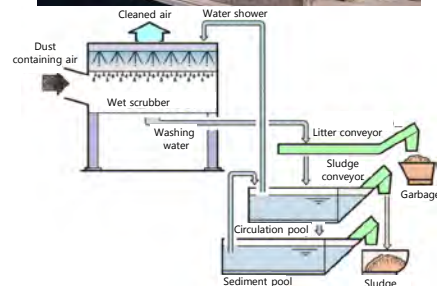
FUS Follow-Up Scrubber



WS Wet Scrubber



TS Twin Scrubber (twin pools)



Compact-type(MN)



Model : 125/250
500/650

Cylinder-type



Model : 750/1,000
1,500/2,000

Additional options

Sludge dehydrator, Water discharger and Soundproofing



Soundproof



Sludge dehydrator
& Water discharger

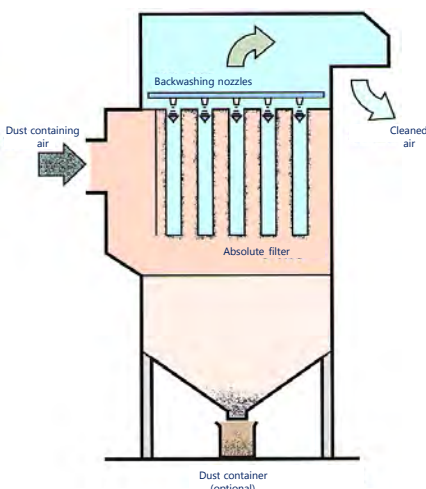
Dry-type dust collector

The high performance absolute filters catch the finest dust.

- Large air volume - High velocity filtration
- Low pressure loss – 500~1,000 Pa in average
- Highly efficient - No less than 99.95% collectable

Suitable for:

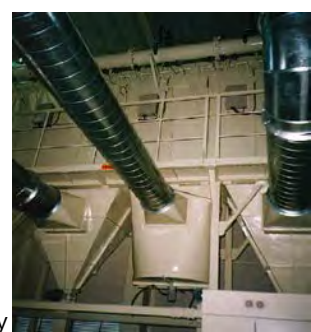
Country elevators,
Grain-grinding factories
etc.



Absolute filter images



Backwashing nozzles



For rice
mill factory

Wastewater Treatment System

IZUSHIMIZU

With activated carbon and absolute filter.

■ Easy operation ■ Minimize sludge ■ Low maintenance cost ■ High mobility with casters (*optional*)

Agricultural wastewater treatment	Fixed-type	Purify wastewater from rice husk sterilization with granular activated carbon and absolute filter.
	Mobile-type	
	Evaporation & Dispersion	Evaporate moisture and pyrolyze concentrated waste water.
Rice water discharge	Rice water treatment	Prevent nutrient enrichment of lakes and wetlands.
Water solution denitrification	Water culture solution treatment	Remove nitrogen with biological denitrification.



Absolute filters



Fixed type



Mobile type

※Please note that all adsorption towers (activated carbon tanks) are made from FRP.

Expanding and Softening Machine

RUB STONE

Destroy the fiber structure with high temperature and pressure and small amount of water.

- Compact
- Power-efficient
- High durability
- Suitable for; composting, barn bedding, livestock feeding, nursery seedbed, mushroom bed, etc.



PX-30E

Rice husk transition

Original After processed Crushed



before

after

Suitable materials;

Rice, buckwheat & wheat husks, sawdust, woodchip, fish residue, etc.



MSX-8

Drying and Carbonization System

Residue carbonization and recycling



Fruit and vegetable residue carbonization



Gasification furnace



Vertical-type carbonizer

Compact carbonization system

Drying, carbonization & deodorization united

Odor-free...Waste gas combusted in furnace to avoid odor generation

Compact...Drying & carbonization united to achieve compact, fuel-efficient & low-cost system

Repeatable operation...Automatically repeat operation with pre-set parameters



Horizontal-type carbonizer



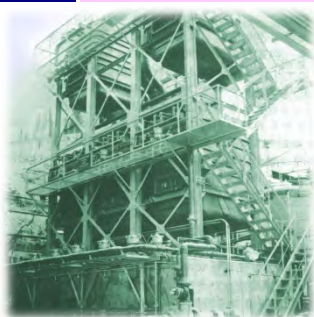
Suitable materials:

Rice husk, Thinned wood, woodchip, recycled paper, kitchen waste, seashells, bamboo, coffee residue, fruits, vegetables, livestock manure, sewage sludge, food sludge, etc.



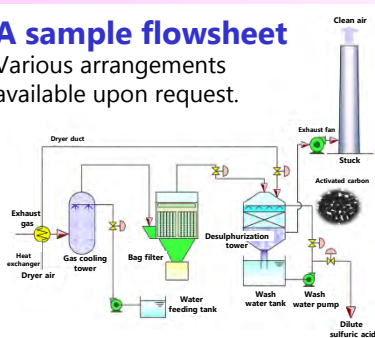
Rice husk carbonization

Waste Gas Desulphurization System



A sample flowsheet

Various arrangements available upon request.



- Easy & low-cost operation
- Dilute sulfuric acid recoverable with maximum concentration of 15~20% (multistage sampling)
- No chemical required
- No secondary pollution
- Compact unit-type layout
- High corrosion-resistant with major parts made from FRP, PVC & SUS
- Easy installation in an existing factory
- Smoke-free
- Desulphurization rate adjustable

Deodorization Machine



Automatic roll filters and activated carbons work together to remove most odor from your plants and premises. Our low-cost highly-efficient package system can work with other deodorization systems such as scrubber and photocatalyst.

- Dust and debris caught by absolute filters
- Odiferous substances absorbed in activated carbons

Examples of target substances

- Methyl mercaptan
- Styrene
- Acetaldehyde
- Ammonia
- Trimethylamine
- Hydrogen sulfide
- Methyl sulfide

Suitable for:

- Waste disposal center
- Food factory
- Manure composting center
- Agricultural chemical storage

Deodorization Machine

Spray wash method with rice husk vinegar & water

Vinegar sprinkling removes odor as well as improves manure quality.



Odor concentration (livestock sheds) (ppm)

Measuring point		Ammonia	Butyric acid
Shed A	Entrance	21	0.0025
	Exit	1.5	N.D. *
Shed B	Entrance	29	0.0071
	Exit	5.5	0.0003
Minimum determination limit		0.2	0.0001

* Lower than minimum determination limit

Ammonia concentration (Manure barn) (ppm)

Measuring point	Before	After	Residual percentage
①	8	7	88
②	10	7	70
③	19	12	63
④	23	13	56
⑤	6	5	83
⑥	8	7	88
⑦	23	11	48
⑧	25	13	52

Waste Gas Treatment Machine



- Compact layout, square scrubber
- Easy operation, no jamming
- Lightweight & rustproof vinyl-made
- Low energy, low noise, low pressure loss

Removal percentage

* Washing agent varies depending on target substances

Chromic acid mist	CrO ₃	98%
Hydrogen chloride	HCl	80%
Sulfuric acid mist	H ₂ SO ₄	90%
Hydrogen fluoride	HF	80%
Caustic soda mist	NaOH	80%
Ammonia	NH ₃	95%

Others

- Rice husk containers
- Rack containers
- Tanks & Hoppers
- Sampling system
- Grains & beans drying and storing system
- Air conveyance system
- Composting system

- Briquette machine
- Steam blasting machine
- Water contaminant detector
- Robot duct inspector
- Activated carbon, Vinegar & Functional water
- Duct systems

- Stove
- Gasification
- Photocatalyst

