



ANHUI XINZHONGDA ENVIRONMENTAL PROTECTION EQUIPMENT CO.,LTD

## Customized Solutions For Energy Conservation And Environmental Protection

► For The Environment For The Future

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# WHO WE ARE



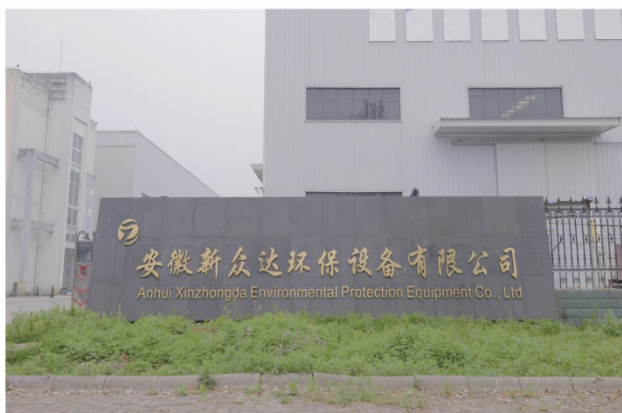
Anhui Xinzhongda Environmental Protection Equipment Co., Ltd was founded in 2016, located in Fanchang Economic Development Zone, Anhui Province. We do more than environmental protection system design and manufacture industry-leading equipment. As part of XZDECO engineered solutions, we offer the world-class installation and maintenance expertise. XZDECO environmental protection has laser cutting machine, hydraulic bending machine, rolling machine, plastic parts carving machine, laser welding machine, and can manufacture customized environmental protection equipment using materials such as carbon steel, stainless steel, glass steel, PP plastic per clients needs.

XZDECO offers comprehensive industry-leading solutions to a diverse array of clients.

The main products as blow: Dust Collection Equipment, VOC Processing Equipment, Air Purification Equipment, Sewage Treatment Equipment, Desalination Equipment, Pure Water Equipment, Solid Waste Treatment Equipment, etc. Products can be applied to manufacturing industries, oil & gas, power, building material industries , renewable, photovoltaic, etc.

XZDECO environmental protection adheres to the concept of technology innovation, quality first, and actively explores new technologies. Our company possess numerous patents, and the manufacturing site pass the ISO quality assurance certification. Our multidisciplinary team of environmental expert provides comprehensive consulting services to our clients. The team strategically focus on the drives and challenges of the markets. We strive to provide better insight and outcomes for our clients.

After the cooperation and hard work in recent years, XZDECO has provided reliable environment systems for a variety of industries. By adhering to the development concept "For the Environment, For the Future", our company is committed to providing customers with turnkey solution, to create the greater value for customers.



Main Entrance

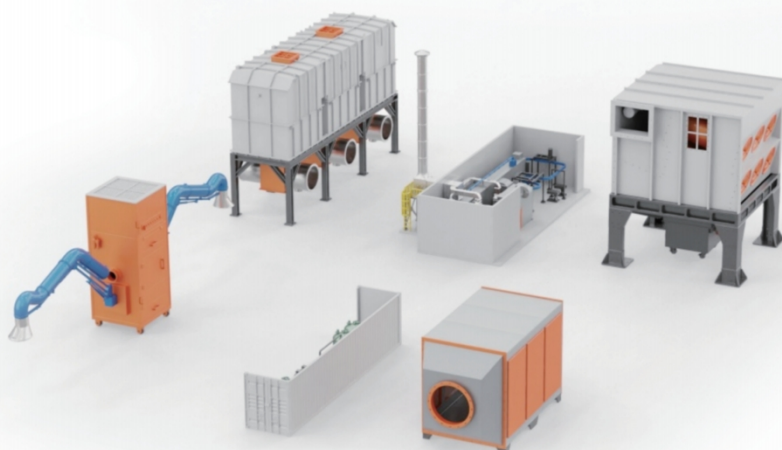


Factroy Bird View

# SERVICE PROCESS



# PRODUCT SERIES



## Industrial Polluted Air Treatment Equipment

Dust Collect Equipment, VOCs Treatment Equipment, Acid Mist Absorption Equipment, Portable Polluted Air Purification Equipment, Etc.

## Water And Wastewater Treatment Equipment

Integrated Wastewater Treatment Equipment, Integrated Civil Water Equipment

## Design And Installation Of Process Line

Pickling, Phosphorylation, Electroplating, Anodizing, Electrophoresis, Etc.

## Design And Installation Of Surface Spraying Line

Paint Spray Line, Plastic Spray Line





# ADVANTAGE

## Advantage

Possessing a number of patents and certification, environmental equipment design could be started at the initiated project stage and moved forward simultaneously with the project itself. From polluted air to waste water, turkey solution is available at one-stop consultant process.



## Multi-Disciplined Team

The engineer team have more than 10 years of experience in polluted air and wastewater treatment. The optimized solution could be offered to customers from various industries.



## Original Manufacturer

Tailored project design done by the our own excellent engineer team and carried out by our own fabrication team offers the cost-efficient solution throughout the entire fabrication, assembly, testing and installation.



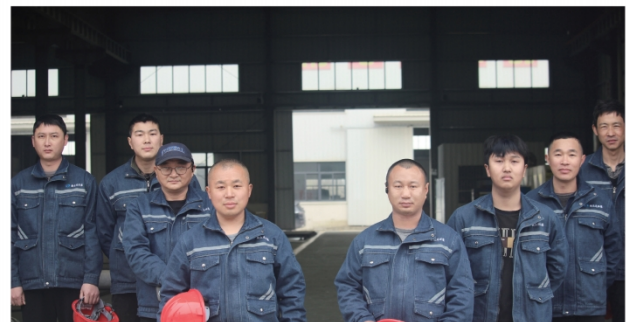
## After-Sale

The HMI on the cloud service allows management team and operator to access monitor and control the equipment at any time remotely. Furthermore, the status of the equipment, abnormal monitoring, online detection, etc could also be done through the HMI type cloud system.



## Butler Service

Multi-displined processional engineers provide one-stop services from "environmental impact assessment", "environmental engineering design" to "production and installation of environmental protection equipment".



# FABRICATION PROCESS

...



01 Drawing Input



02 Material Loading



03 Break



04 Bending



08 Assembly



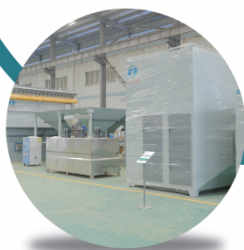
07 Paint



06 Polishing



05 Welding



09 QA



10 Delivery



11 Installation



12 Final Test



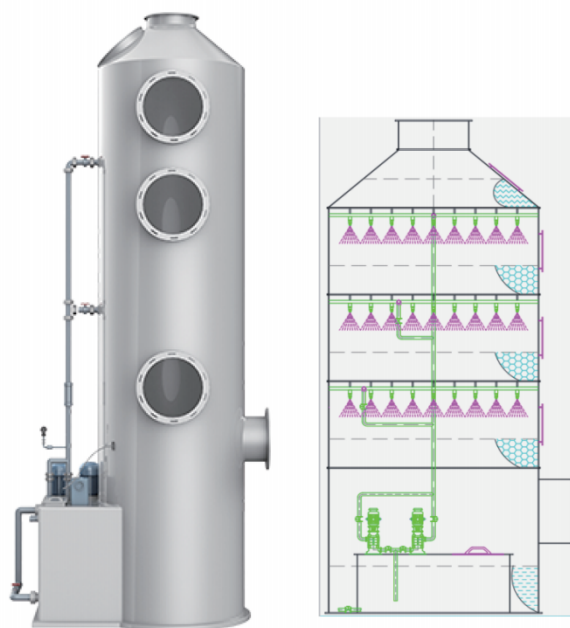


# Wet Scrubber Tower

## About The Production

Wet Scrubber tower is widely used in industrial exhausted gas treatment. By spraying the absorption liquid into the exhausted gas in the form of fog, the harmful substances contained in the air are removed, thus, to achieve the purification effect by contact, adsorption, dissolution. The optional tower structure style could be vertical or horizontal depended on the application situation.

Most Commonly used material for spray adsorption tower are PP, FRP and carbon steel, stainless steel. PP and FRP are used in chemical adsorption, with the characteristics of acid and alkali resistance and corrosion resistance. Carbon steel, stainless steel material can be used for high temperature exhausted gas treatment.



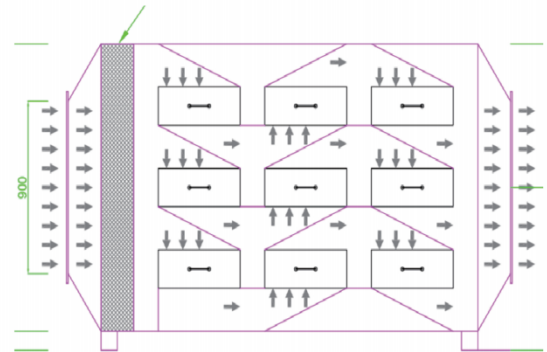
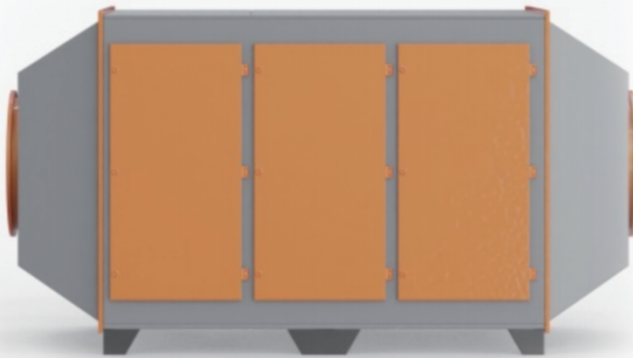
## List of Specifications and Parameters for Spray Adsorption Tower

Spray Tower	Model (XZD-PLT)	3	5	10	15	20	25	30	35	40	45	50
	Air Volume (m³/h)	3000	5000	10000	15000	20000	25000	30000	35000	40000	45000	50000
	Resistance (Pa)	180-200mmH2O (1760-1960Pa)										
	Material	PP, FRP, Carbon steel, Stainless steel										
Power Fan	Model	GBF 4-72-12										
	Specifications	4A	4.5A	5A	6C	8C	8C	8C	10C	10C	10C	10C
	Power (kw)	5.5	7.5	15	15	22	30	37	37	37	55	55
	Speed (r/min)	2900	2900	2900	2240	1600	1800	1800	1250	1250	1450	1450
	Pressure	2260	2530	2970	2450	2400	3010	2400	2340	2260	3100	2850
Pump	PF	-40	-50	-50	-65	-65	-80	-80	-80	-100	-100	-100
	Power of Motor (kw)	2.2	3	3	5.5	5.5	7.5	7.5	7.5	11	11	11
Size	External Diameter Φ(mm)	1400	1600	1800	2100	2200	2400	2600	3000	3200	3400	3600
	Tower Height H(mm)	4600	4600	4800	4800	4800	5000	5500	5500	6000	6000	6000
	Air Inlet Φ 1 (mm)	300	450	600	700	800	900	1000	1050	1100	1200	1250
	Air Outlet Φ 2 (mm)	300	450	600	700	800	900	1000	1050	1100	1200	1250
	H (mm)	900	1000	1200	1200	1250	1350	1450	1550	1650	1750	1800
	* Operating Weight (kg)	2600	3200	3800	4500	4800	5500	5800	6600	7200	8500	9000

Customized services can be provided depended on air volume, size, color, material and style (Vertical and Horizontal)

\*The Operating Weigh in the table was calculated based on carbon steel.

# Activated Carbon Adsorption Box



### About The Production

Activated carbon adsorption box is a dry adsorption equipment, composed of container box and activated carbon units filled inside. The exhaust gas is inhaled by the negative pressure fan. After fully exposed, the exhausted air pass through the activated carbon adsorption layer, the particles in the exhaust gas was then absorbed on the surface of the activated carbon, and the treated air is discharged to the environment. Activated carbon adsorbent can purify a variety of organic exhausted gas components, mainly used in the industries of pharmaceutical, electronics, electrical, painting, shoe fabrication, rubber, plastic, printing.

### List Of The Specifications And Parameters For Activated Carbon Adsorption Box

Model		Resistance (Pa)	Quantity of Activated Carbon (kg)	Adsorption rate (%)	Structure Size (mm)	Air I/O Size (mm)	Air volume (m3/h)	Material
XZD-HXT	0.5	600-700	70	95	2000*1500*1200	300*300	5000	PP, Carbon Steel, Stainless Steel
	1	600-700	140	95	2200*1500*1500	400*400	10000	
	1.5	600-700	200	95	2800*1500*1800	500*500	15000	
	2	600-700	280	95	2800*2000*1800	550*550	20000	
	3	800-900	490	95	3000*2000*2200	700*700	30000	
	4	800-900	560	95	3300*2000*2200	800*800	40000	
	5	900-1000	700	95	3500*2000*2500	900*900	50000	

Customized equipment could be ordered depended on the air volume, size, color, material and activated carbon specifications (granular activated carbon, honeycomb activated carbon, etc.)

The equipment sizes in the table are based on honeycomb activated carbon as adsorbent.



## Dust Collector



Bag Filter Collector



Electrostatic Precipitator

### List of the specifications and parameters for dust collector

	Bag Filter Collector XZD-BD							
Air volume (m <sup>3</sup> / h)	10000	20000	30000	40000	50000	60000	70000	80000
Processing Efficiency	大于99%							
Applicable environment	Suitable for hardware, cement, building materials, ceramics, electronics, chemical industry, carbon, casting, metallurgy, rubber, electric power, mechanical processing, non-ferrous metals and other industrial fields of dust collection. For dust particles of 0.1 μ m-0.5 μ m, the graded dust removal efficiency can achieve more than 90%. For dust particles bigger than 1μ m, the efficiency could be maintained above 99% . For dust particles of 2 μ m-5 μ m, dust efficiency of 99.99% can be obtained. For high temperature (130-280°C) high humidity (80%) exhausted gas, high temperature corrosion resistance water resistance oil filter bag (PTFE) should be selected. In order to prevent condensation, the gas temperature should be kept higher than the dew point of 15~20°C .							
Model	Electrostatic Precipitator XZD-JD							
Air volume (m <sup>3</sup> / h)	10000	20000	30000	40000	50000	60000	70000	80000
Processing Efficiency	more than 99%							
Applicable environment	Suitable for: cement, building materials, ceramics, electronics, chemical industry, casting, metallurgy, electric power, mechanical processing, non-ferrous metals and other industrial fields of dust purification. In addition, dry electrostatic precipitator can be used for high temperature (350-450°C). Wet electrostatic precipitator is also used for acid fog, concentrated sulfuric acid fog, white fog and yellow smoke produced by metal surface pickling. For 0.1 μ m dust particles, the dust removal efficiency can reach more than 99%.							

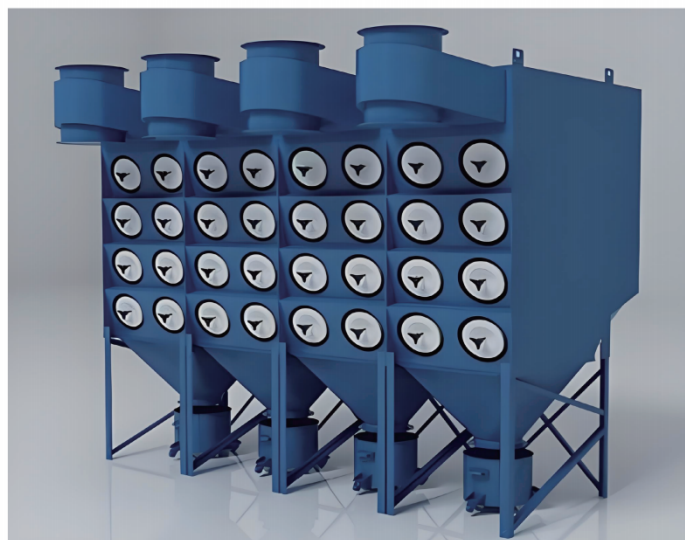
Customized services can be provided depended on air volume, size, material, bag material and temperature.



## 1. Industrial Polluted Air Treatment Equipment



Cyclone Dust Collector



Filter Dust Collector

### List of the specifications and parameters for dust collector

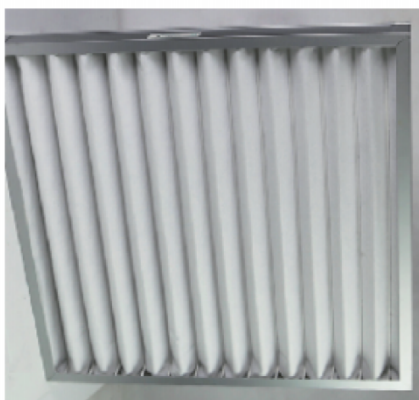
Model	Cyclone Dust Collector XZD-XF							
Air volume (m <sup>3</sup> / h)	10000	20000	30000	40000	50000	60000	70000	80000
Processing Efficiency	80%-90%							
Applicable environment	Suitable for: hardware, cement, building materials, ceramics, electronics, chemical industry, rubber, casting, metallurgy, electric power, mechanical processing, non-ferrous metals and other industrial fields of dust purification. For dust particles of 5 μ m- 10 μ m, the dust removal efficiency can reach more than 80%, and for dust particles greater than 10 μ m, the dust removal efficiency can reach 90%. The cyclone filter can be used alone or as a primary dust removal facility in combination with other forms of dust collector.							
Model	Filter Dust Collector XZD-LT							
Air volume (m <sup>3</sup> / h)	10000	20000	30000	40000	50000	60000	70000	80000
Processing Efficiency	Greater than 99.6%							
Applicable environment	Suitable for hardware, cement, building materials, ceramics, electronics, chemical industry, carbon, casting, metallurgy, rubber, electric power, mechanical processing, non-ferrous metals and other industrial fields of dust purification. For dust particles of 0.5 μ m and above, the dust removal efficiency can reach more than 99.9%.							

Customized services can be provided depended on air volume, size, material, bag material and temperature.





## Three-Level Dry Filter Box



G4 primary filtration



F7 medium filtration



F9 efficient filtration

### About The Production

The three-level dry filtration system adopts three series filtration structure. The first stage is to filter the large particles in the air, the second stage is to filter fine particles in the air, and the third stage to filter smaller particles and bacteria. This structure makes the filtration effect more comprehensive, and the particles, odor and other harmful substances in the air could be removed effectively. When the three-stage dry filtration and zeolite rotation concentration technology are combined, they can work together to further improve the air purification efficiency. The dry filter box could provide a comparative clean air for zeolite rotation concentration system, which will prolong the service life of zeolite rotation wheel. At the same time, this combination can effectively reduce the energy consumption of the equipment and reduce the operating cost. In addition, three-level dry filtration can be applied to various indoor environments, such as hospitals, laboratories, offices, homes, etc.

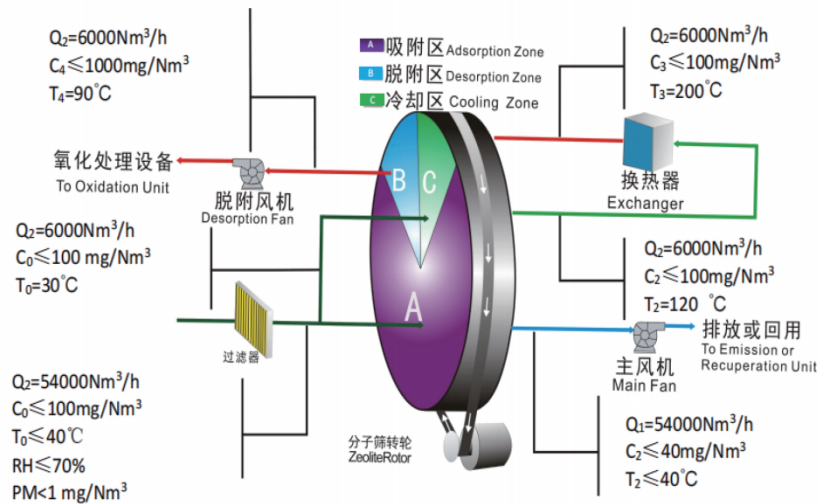
### List of the Specifications and Parameters of the Three-Level Filter Box

model		Resistance (Pa)	Filter cotton (G4\F7\F9)	Filter Efficiency (%)	Structure Size (mm)	Air I/O Size (mm)	Air Volume (m <sup>3</sup> /h)	Material
XZD-GLX	0.5	600-700	4+4+4	95	2000*1000*1000	350*300	5000	Carbon steel, stainless steel
	1	600-700	6+6+6	95	2200*1500*1000	450*500	10000	
	1.5	600-700	10+10+10	95	2800*1500*1700	500*600	15000	
	2	600-700	12+12+12	95	2800*2000*1500	700*600	20000	
	3	800-900	20+20+20	95	3000*2200*2200	800*800	30000	
	4	800-900	22+22+22	95	3300*2500*2200	1000*900	40000	
	5	900-1000	28+28+28	95	3500*2500*2800	1000*1100	50000	

Customized service for other air volume, size, color, material and filled filter cotton (G4, F7, F9) are available upon request

# 1. Industrial Polluted Air Treatment Equipment

## Zeolite wheel



### About The Production

The zeolite space is divided into three areas, treatment area (adsorption area), regeneration area (stripping area) and cooling area, and the runner rotates continuously in each area. After the organic waste gas pre-treated, the air was absorbed into the zeolite runner adsorption area, where the organic gas particles is adsorbed into the runner, and the purified gas can be directly discharged to environment. The organic gas particles adsorbed in the zeolite rotor is then removed by high-temperature hot air in the regeneration area (stripping area) and treated at RCO or RTO afterword. Then, the zeolite runner is cooled in the cooling area, and continuing to turn back to the treatment area to absorbing the organics gas particles . This is a typical work process of adsorbing and stripping process of organic exhausted air treatment.

### List Of Zeolite Runner Specifications And Parameters

Specifications And Models		Wheel Diameter (mm)	Air Volume Range (Nm <sup>3</sup> / h)	Box Size (mm)		
				Long	Wide	Tall
XZD-ZL	1220 V40/50	1220	7800 ~ 12000	1500	1940	1600
	1525 V40/50	1550	12000 ~ 19000	1750	1940	1850
	1730 V40/50	1730	16000~25000	1950	1940	2050
	1940 V40/50	1940	20000 ~ 30000	2150	1940	2250
	2190 V40/50	2190	25000~38000	2400	1940	2500
	2450 V40/50	2450	33000~48000	2700	1940	2850
	2650 V40/50	2650	38000~58000	2900	1940	3025
	2950 V40/50	2950	45000~68000	3250	2000	3375
	3250 V40/50	3250	55000~85000	3600	2000	3750
	3550 V40/50	3550	68000~105000	3950	2000	4100
	3750 V40/50	3750	75000 ~ 115000	4200	2000	4350
	3950 V40/50	3950	85000 ~ 125000	4400	2000	4550
	4250 V40/50	4250	100000~150000	4700	2000	4850
	4500 V40/50	4500	125000-200000	5150	2000	5150

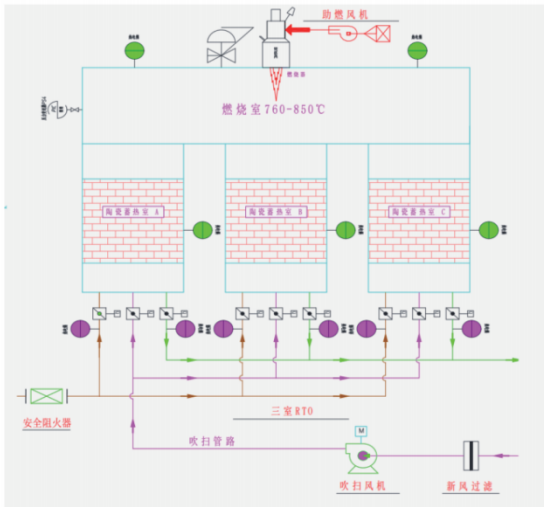
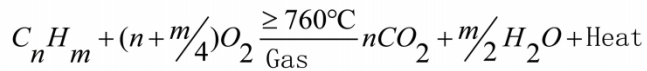
Customized modle could be ordered depends on the volume, size, color and material.



# Regenerative Thermal Oxidizer (RTO)

## About The Production

A Regenerative Thermal Oxidizer (RTO) is a combustion device that controls volatile organic compounds (VOCs), hazardous air pollutants (HAPs), and odors by converting (destroying) the emissions into CO<sub>2</sub> and H<sub>2</sub>O through the use of heat before exhausting them to the atmosphere.



## List of the Specifications and Parameters of the RTO

Series number	Name	Model	Structure Size (mm)	Capacity of air volume (m <sup>3</sup> /h)	installed power	
					electricity (kW)	Gas (kcal)
1	Box Tower (3 boxes)	XZD-RTO -1	5800*2000*5500	5000	20	20
2		XZD-RTO -2	7650*2150*5650	10000	24	40
3		XZD-RTO -3	8550*2450*6000	15000	48	60
4		XZD-RTO -4	9500*2750*6250	20000	53	80
5		XZD-RTO -5	10800*3100*6600	30000	90	120
6		XZD-RTO -6	13500*3200*6800	40000	125	150
7		XZD-RTO -7	15500*3600*7000	50000	148	150

Customized RTO could be ordered depends on the volume, size, color and material.

Two box of TRO could be manufactured upon client's request

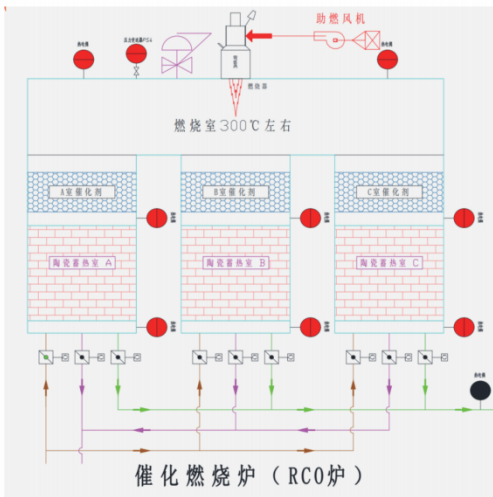
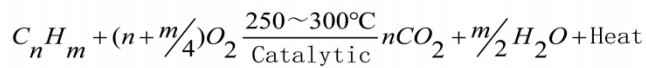


## 1. Industrial Polluted Air Treatment Equipment

# Regenerative Catalytic Oxidizer (RCO)

### How It Works

An RCO operates in the same manner as an RTO, however, it uses a catalyst material rather than ceramic material in the packed bed. This allows for destruction of VOC at a lower oxidation temperature. An RCO uses a precious metal catalyst in the packed bed, allowing oxidation to occur at approximately 400C.



### List of the Specifications and Parameters of the RTO

Series number	Model	Structure Size (Mm)	Capacity Of Air Volume (m³/h)	Installed Power	
				Electricity (Kw)	Gas (Kcal)
1	XZD-RCO-1	5800*2000*5500	5000	20	20
2	XZD-RCO -2	7650*2150*5650	10000	24	40
3	XZD-RCO-3	8550*2450*6000	15000	48	60
4	XZD-RCO -4	9500*2750*6250	20000	53	80
5	XZD-RCO -5	10800*3100*6600	30000	90	120
6	XZD-RCO -6	13500*3200*6800	40000	125	150
7	XZD-RCO -7	15500*3600*7000	50000	148	150

Customized RTO could be ordered depends on the volume, size, color and material.

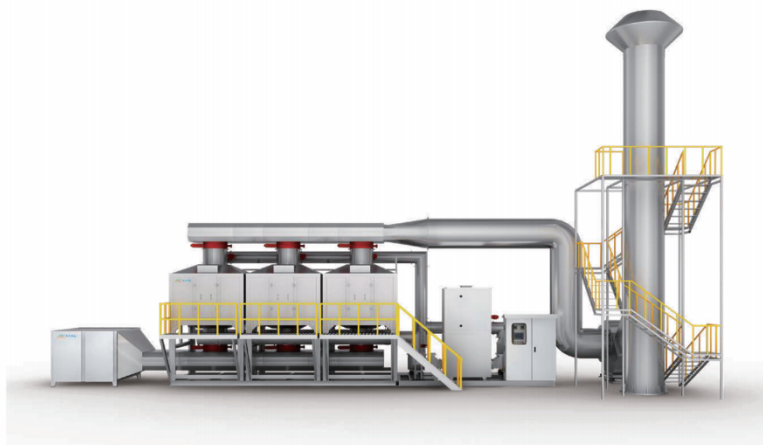
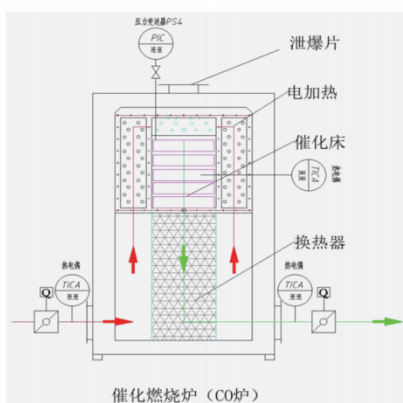




## Catalytic Oxidizer (CO)

### How It Works

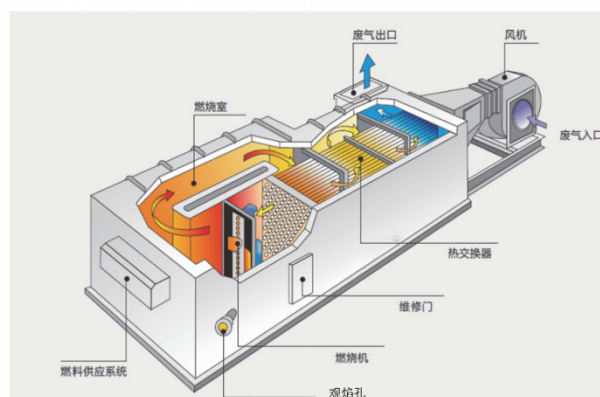
Catalytic oxidizers, also known as catalytic incinerators, are oxidation systems (similar to thermal oxidizers) that control VOC and volatile HAP emissions. Catalytic oxidizers use a catalyst to promote the oxidation of VOCs to CO<sub>2</sub> and H<sub>2</sub>O



## Thermal Oxidizer(TO)

### How It Works

A Thermal Oxidizer (also referred to as a thermal oxidizer or incinerator) is a combustion device that controls volatile organic compounds (VOCs), hazardous air pollutants (HAPs), and odors by converting (destroying) the emissions into CO<sub>2</sub> and H<sub>2</sub>O through the use of heat before exhausting them to the atmosphere.



### List of the Specifications and Parameters of the TO

Series number	Model	Structure Size (mm)	Capacity of air volume (m <sup>3</sup> /h)
1	XZD-TO/CO-1	1900*2000*5500	5000
2	XZD-TO/CO-2	2250*2150*5650	10000
3	XZD-TO/CO-3	2750*2450*6000	15000
4	XZD-TO/CO-4	3500*2750*6250	20000
5	XZD-TO/CO-5	4000*3100*6600	30000
6	XZD-TO/CO-6	4700*3200*6800	40000
7	XZD-TO/CO-7	5500*3600*7000	50000

Customized RTO could be ordered depends on the volume, size, color and material.

# 1. Industrial Polluted Air Treatment Equipment

## Rotate RTO and RCO

### About The Production

Small incinerators, especially widely used in hospitals, research institutes, zoos and other places. It can also be used for waste treatment in some specific places. For example, animal carcasses need to be treated and incinerated in situ. This kind of incinerator has less investment, no secondary pollution, and can recover a large amount of hot water and steam for use in factories.

(1) Incineration: minimal capacity: 50kg/h(not full)

Small capacity: 50-200kg/h Large capacity: about 500kg/h (about 5t/d)

(2) Furnace type: Angle type, cylinder type, baking type, fire lattice type, movable bed type, fixed bed type.

(3) Applicable places: small hospitals, schools, parks, temples, markets, zoos, research institutes, ships, etc.

Structural features:

(1) Small floor area and low investment cost. (2) Wide range of use, suitable for a variety of waste treatment.

(3) The operation is simple, easy to learn and understand, and the operation cost is low.

(4) Thermostatic design in the furnace, smoke-free, odorless, no secondary pollution.

(5) Negative pressure design, high safety and automation.

(6) Recoverable hot water and steam



### List of the Specifications and Parameters of the Rotary RTO and RCO

Series number	Model	Size (mm)	Capacity (m³/h)	Power	
				Electricity(kW)	Gas(10 thousand kcal)
1	XZD-RRTO/RCO-1	3350*3350*7500	10000	23	20
2	XZD-RRTO/RCO-2	3500*3500*8600	20000	54	80
3	XZD-RRTO/RCO -3	4000*4000*9000	30000	96	120
4	XZD-RRTO/RCO-4	4300*4300*9000	40000	138	150
5	XZD-RRTO/RCO -5	4600*4600*9000	50000	160	150
6	Customized RTO could be ordered depends on the volume, size, color and material.				



## Mobile welding and dust purification



### About The Production

The mobile welding dust purifier can be equipped with one or two suction arms. Casters are options at the bottom for movement. It is suitable for all kinds of welding (arc welding, carbon dioxide protection welding, MAG welding, carbon arc gas plane welding, gas welding welding, special welding, etc.), polishing, cutting, grinding and other places to produce dust, plus the recovery of rare metals, valuable materials, etc.

Smoke in the process of operation was suck through the fan negative suction into the suction mouth, the polluted air goes through the first layer of fire resistance net purifier, and large particles and grinding particles was separated, preliminary filtered dust then moved to filter protective plate, further to filter the particles and residual grinding particles. At the third stage, the air goes into the main filter. Finally, the air was treated by activated carbon filter and emit into the environment.

### List Of Specifications And Parameters Of Mobile Welding Smoke And Dust Purifier

unit type	Capacity Air Volume (m3/h)	Power KW	Voltage V/HZ	Filter Area m2	Decontamination Plant	Filtration Efficiency	Dimension (Long * width * height) mm
XZD-HY(D)	1200	1.1	380/50	8	Activated carbon filter cotton Main pass filter element safety guard Fire resistance net	99.9	650*670*1250
	1500	1.5		10			650*670*1250
	2400	2.2		12			650*670*1250
	3600	3		15			650*670*1250
	2400S	2.2		12			650*670*1250
	3600S	3		15			650*670*1250

Technical parameters: (S represents two arms, D represents pulse automatic ash cleaning)



## 1. Industrial Polluted Air Treatment Equipment

# Dust Removal Equipment For Polishing Work Station



### About The Production

In the grinding and polishing work station, all kinds of harmful dust produced through grinding was suck into the platform. Initially, a spark separation device is provided at the air inlet of the platform, which can intercept the large particles of dust and sparks contained in the air flow. The particles at this stage are directly separated and collected into the dust collection box. The smaller particles flies to the filter cylinder with the air flow, and t accumulates on the filter surface. Then these particles on the filter surface are removed by automatic pulse. Eventually, the dust accumulated particles on the collection dust box can be dumped regularly.

The unique desktop design is perfect, with four sided exhaust, built-in dust removal system, fan sound insulation, no need for pipeline connection, and clean air can be circulated and discharged indoors, reducing energy costs.

This type of workbench can effectively capture small suspended dust without interfering with the movement and vision of workers, making it an ideal choice for small and medium-sized fine processing and irregular components. It can be connected to specialized smoke and dust purifiers, as well as to central smoke and dust systems.

### List of the specifications and parameters of the Dust Removal Equipment for Polishing Work Station

model	Capacity Air Volume (m3/h)	Wind Pressure (pa)	Power (kw)	Device Power Supply	Equipment size (mm)	Weight Of Equipment (Kg)
ZD-DM	2000	1750	2.2	380/HZ	1000*800*1600	285
	3000	1750	3	380/HZ	1500*800*1600	350
	4000	2300	4	380/HZ	2000*800*1600	450
	6000	2350	5.5	380/HZ	2500*800*1600	650
	8000	2550	7.5	380/HZ	3000*800*1600	850





# Cases ( Polluted Air)

## Case 1

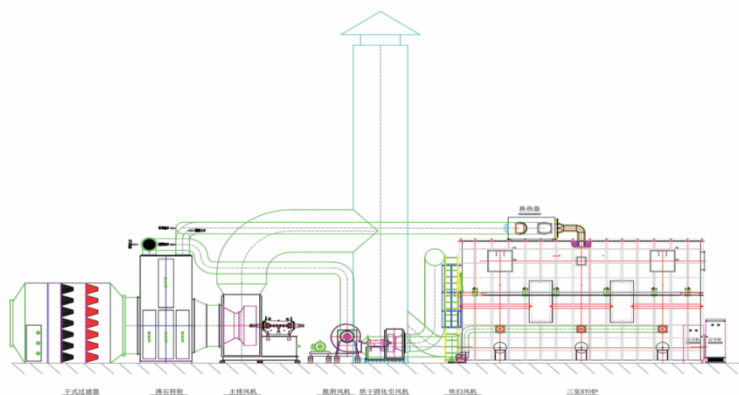
### Case of Combined waste Air Treatment System

Three-stages Filtration + Zeolite Wheel Concentration + Regenerative Thermal Oxidizer(RTO)

### Applied Industries and Parameters

Industries	FRP Industry
VOCs components	Styrene, Epoxy Resin, Dimethyl Phthalate, Propylene Glycol Polyoxide Acrylic Compounds
Input VOCs Concentration	> 1000mg/m <sup>3</sup>
Outlet VOCs Concentration	< 60mg/m <sup>3</sup>
Burning Temperature	760-800°C
System Efficiency	96.9%

### Design Proposal



### Finished on-site



## Case 2

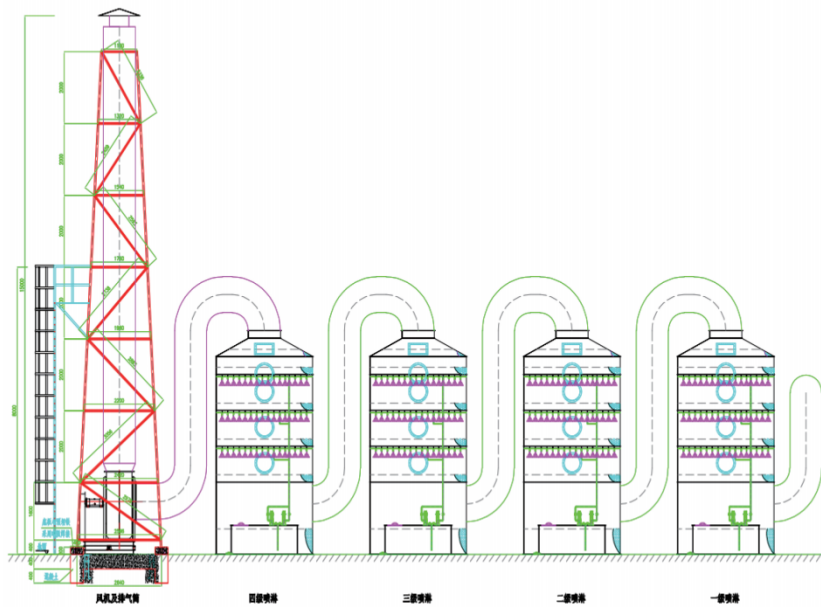
### Case of Combined waste Air Treatment System

#### Multi-Stages Wet Scrubber Tower

#### Applied Industries and Parameters

Industries	Stainless Steel Pipe Manufacturing Industry
Production Processes	Original Acid (Sulfuric Acid, Hydrochloric Acid, Hydrofluoric Acid) Storage, Pickling
Polluted Components	Hcl、HF、 H2SO4
Input Acid Fog Concentration	> 1000mg/m3
Output Acid Fog Concentration	< 20mg/m3
Removal Efficiency	99.5%

#### Design Proposal



#### Finished on-site



## Case 3

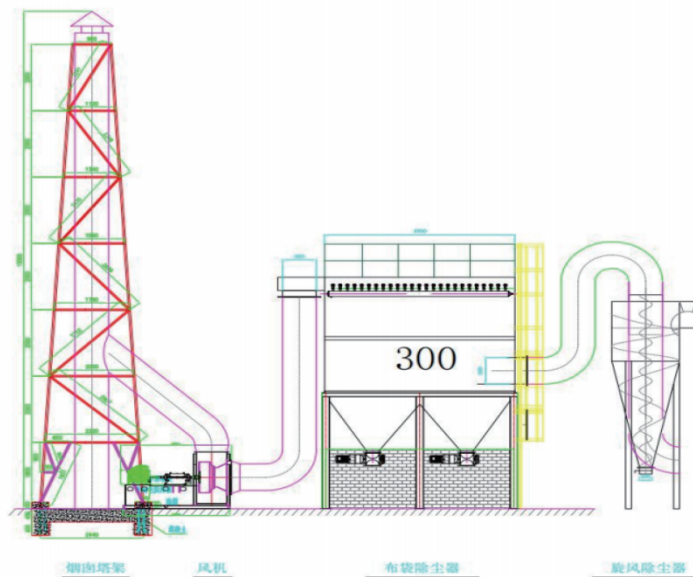
### Case of Combined waste Air Treatment System

#### Cyclone Dust Collector + Bag Filter Collector

#### Applied Industries and Parameters

Industries	Wood Products Processing Industry
Production Processes	Cutting, Grinding, Drilling, Sanding, Carving And Other Processes
Polluted Components	Stive
Input Dust Concentration	> 2000mg/m <sup>3</sup>
Output Dust Concentration	< 60mg/m <sup>3</sup>
Removal Efficiency	99.9%

#### Design Proposal



#### Finished on-site





### Case 4

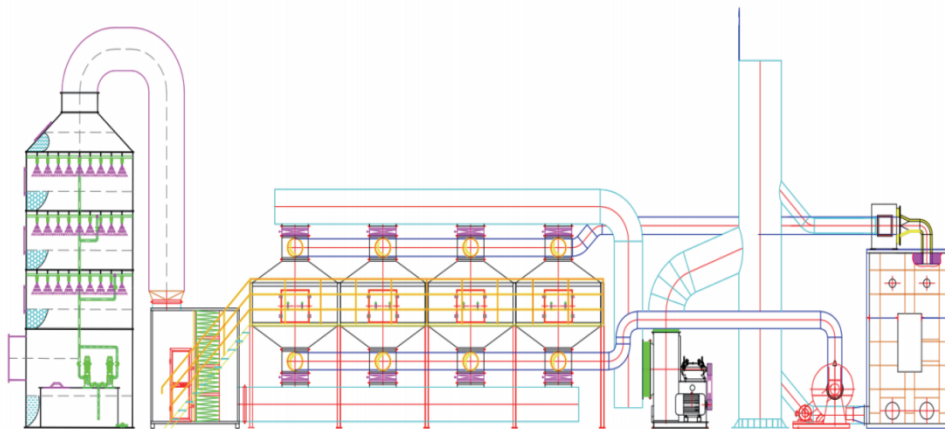
#### Case of Combined waste Air Treatment System

Wet Scrubber Tower +Three-Stages Filtration +Activated Carbon Adsorption + RCO

#### Applied Industries and Parameters

Industries	Furniture Surface Treatment (Spraying Water-Based Paint, Oil-Based Paint)
Production Processes	Paint, Drying And Curing
Vocs Component	Benzene, Ethyl Acetate, Butyl Acetate, Epoxy Resin
Imported Vocs Concentration	> 300mg/m3
Export Vocs Concentration	< 60mg/m3
Burning Temperature	280-300°C

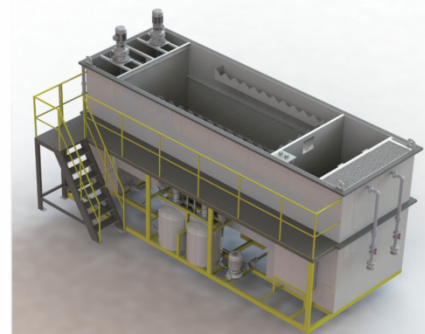
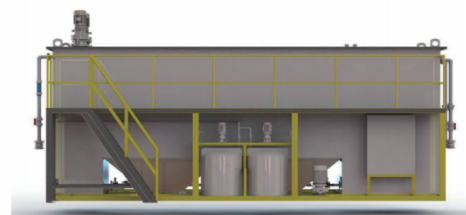
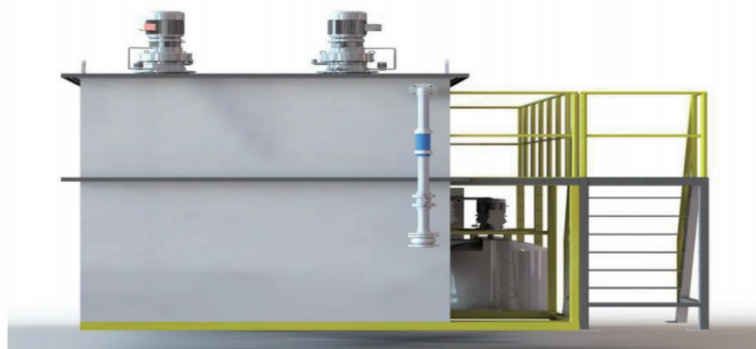
#### Design Proposal



#### Finished on-site

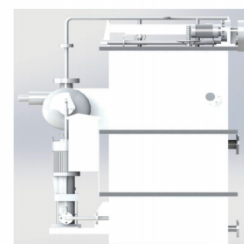
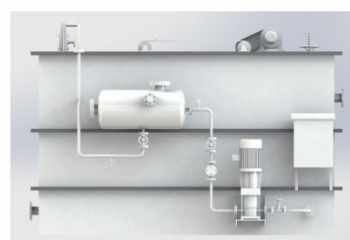
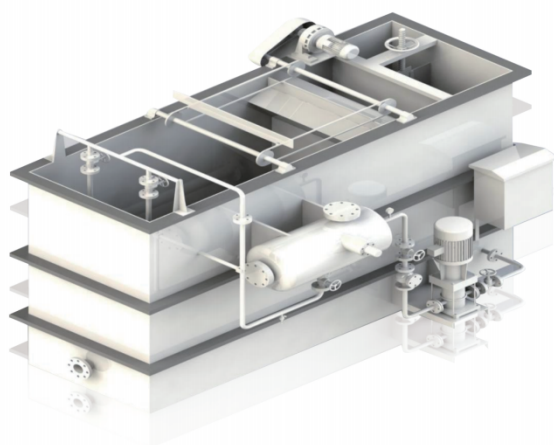


### coagulation and sedimentation equipment



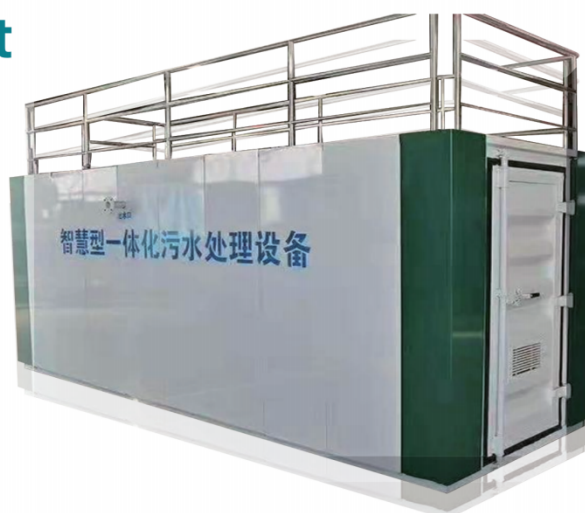
Series Number	Type	Model	Dimension (L * B * H) m	Processing Capacity (t / h)	Material
1	The Ground Type	XZD-HN-5	2.6*1.6*2.5	5	Carbon Steel Stainless Steel PP FRP
2		XZD-HN-10	3.4*1.8*3.0	10	
3		XZD-HN-15	3.4*2.2*3.0	15	
4		XZD-HN-20	4.2*2.2*3.0	20	
5		Customized Available	/	/	

### Aeration Equipment



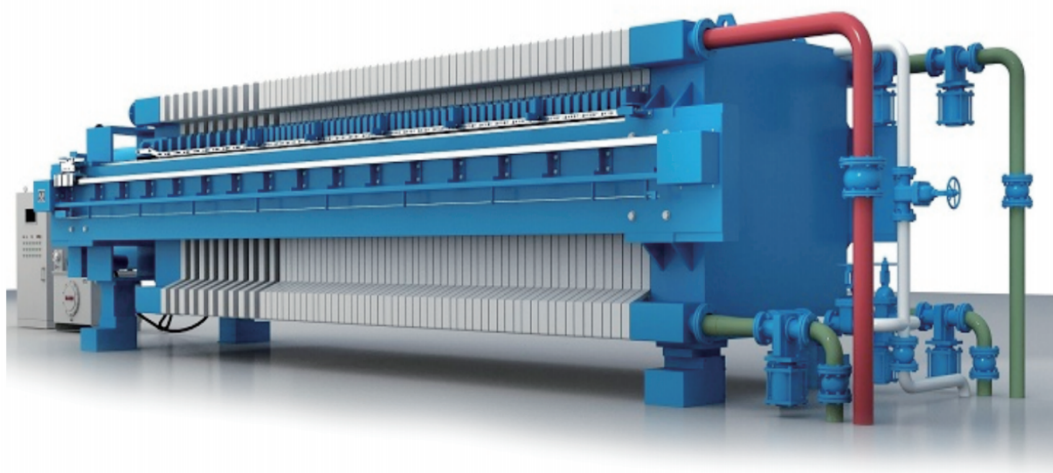
Series Number	Type	Model	Dimension (L * B * H) m	Processing Capacity (t / h)	Material
1	The Ground Type	XZD-DAF-2	3.3*2.4*2.1	2	Carbon Steel Stainless Steel PP FRP
2		XZD-DAF-5	3.9*2.4*2.1	5	
3		XZD-DAF-10	4.3*2.9*2.3	10	
4		XZD-DAF-15	5.4*2.9*2.3	15	
5		Customized Available	/	/	

### Biochemical Processing Equipment



Series Number	Type	Model	Dimension (L * B * H) m	Processing Capacity (t / h)	Material
1	The Ground Type	XZD-AAO-5	3500*1500*1500	5	Carbon Steel Stainless Steel Steel PP FRP
2		XZD-AAO-10	5500*1800*1500	10	
3		XZD-AAO-15	5800*2200*2200	15	
4		XZD-AAO-20	6500*2200*2200	20	
5		Customized Available	/	/	

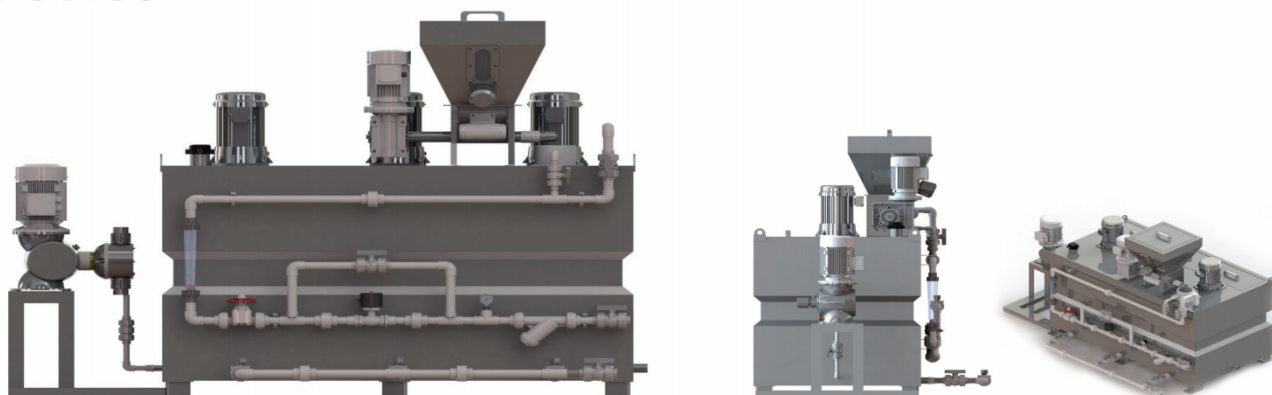
### Filter Press



Series Number	Type	Model	Dimension (L * B * H) m	Processing Capacity (t / h)	Material
1	The Ground Type	XZD-XMY2-420	1350*650*795	2	Carbon Steel Stainless Steel Steel
2		XZD-XMY5-500	1950*650*795	5	
3		XZD-XMY10-630	2746*840*1200	10	
4		XZD-XMY15-630	3256*840*1200	15	
5		Customized Available	/	/	



### Dosing Device



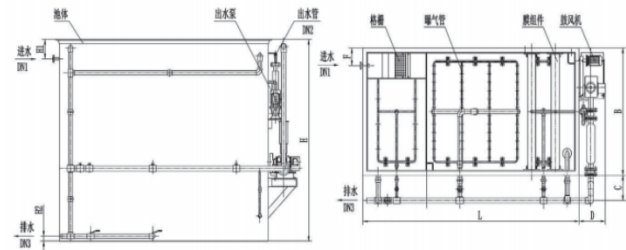
Series Number	Series Number	Dimension (L * B * H) m	Capacity (L)	Material
1	XZD-ZJY-750L	1.2*0.8*0.9	750	Stainless Steel PP
2	XZD-ZJY-1000L	1.5*0.8*0.9	1000	
3	XZD-ZJY-1500L	1.8*1.0*0.9	1500	
4	XZD-ZJY-2000L	2.0*1.0*0.9	2000	
5	Custom series	/	/	

### RO unit



Series Number	Usage	Model	Dimension (L * B * H) mm	Processing Capacity (t / h)	Integrated Type
1	Waste Water Reuse Preparation Of Pure Water	XZD-RO-5	3000*1250*1750	5	Sky-Mounted
2		XZD-RO-10	3000*1700*1750	10	
3		XZD-RO-20	3000*2150*2150	20	
4		XZD-RO-30	3000*2150*2950	30	
5		Custom series	/	/	

## MBR Unit



SeriesNumber	Usage	Model	Dimension (L * B * H) mm	Processing Capacity (t / h)	Integrated Type
1	Waste water reuse preparation of pure water	XZD-MBR-1	3.1*1.5*2.4	1	Sky-Mounted
2		XZD-MBR-1.5	2.8*2.4*2.4	1.5	
3		XZD-MBR-2	3.6*2.4*2.4	2	
4		XZD-MBR-3	5.4*2.4*2.4	3	
5		Custom series	/	/	

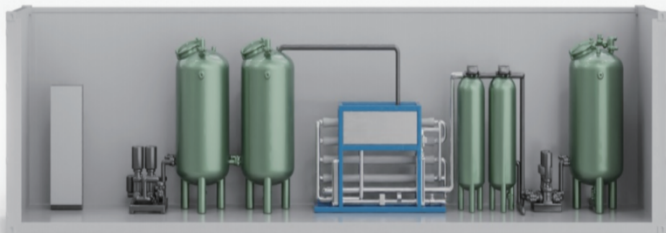
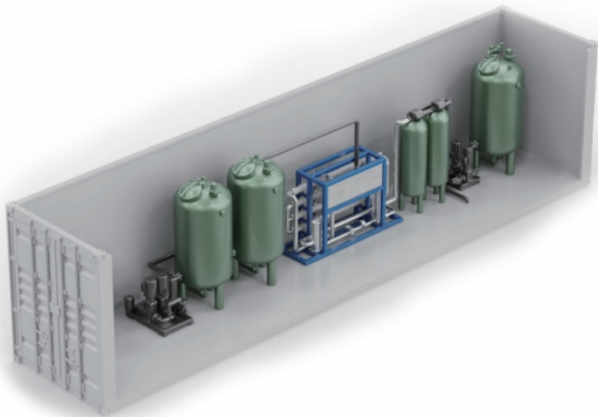
## Filter Unit



SeriesNumber	Property	Model	Dimension (D*H)m	Processing capacity (t / h)	Material
1	Multi-Media Carbonation Fiber Ball	XZD-GYL-0.8	0.8*2.75	20	Carbon Steel Stainless Steel FRP
2		XZD-GYL-1.2	1.2*3.2	45	
3		XZD-GYL-1.6	1.6*3.4	80	
4		XZD-GYL-2.0	2.0*3.6	120	
5		Custom series	/	/	



## Mini Waste Water Process Station



Series Number	Application	Model	Dimension (L * B * H) mm	Capacity (t / d)	Material
1	Municipal sewage, etc	XZD-WS-5	5500*1500*1500	5	Carbon Steel Stainless Steel PP FRP
2		XZD-WS-10	7500*1800*1500	10	
3		XZD-WS-15	7800*2200*2200	15	
4		XZD-WS-20	8500*2200*2200	20	

The Above Process Is AAO + Filtration + Disinfection Customized Model Available Upon Request

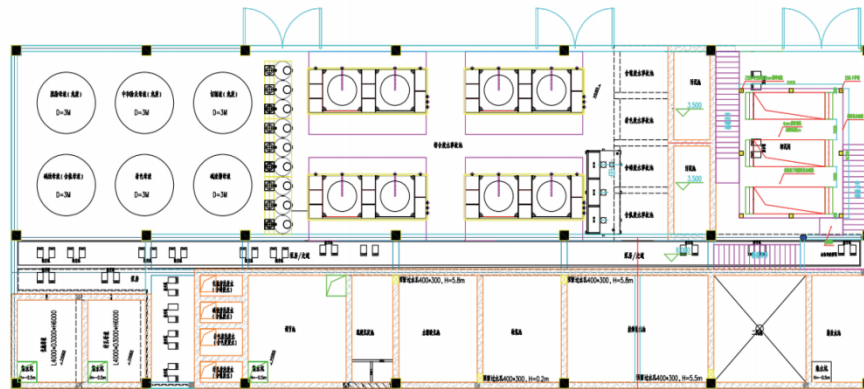


# Case( Waster Water Treatment)

Original Intake Waster Water propriety and Removal Efficiency

Industries	Aluminum Surface Treatment Industry										
Waste Water Generation Process	Degrease, Cleaning, And Sealing Holes, Coloring, Anodized Oxidation										
Factor	COD	SS	NH3-N	TN	TP	Tone	Oil Class	Fluoride	Total Nickel	Total Aluminum	LAS
Water Concentration	2000	800	50	70	10	Five Times	150	200	20	100	100
Total Removal Efficiency	75.0%	75.0%	30.0%	28.6%	60.0%	93.7%	86.7%	50.0%	97.5%	97.0%	80.0%
Effluent Standard	500	200	35	50	4	80 Times	20	100	0.5	3	20

Proposal Process



Finished On Site







## Design, Fabrication, Installation of Coating Line (Painting and plastic spraying)

### Highlight

According to customer requirements, customized spray painting line and spray line, including equipment and raw materials, supporting environmental protection, safety equipment, ventilation and air pollution control are available

## Case(Coating Line)

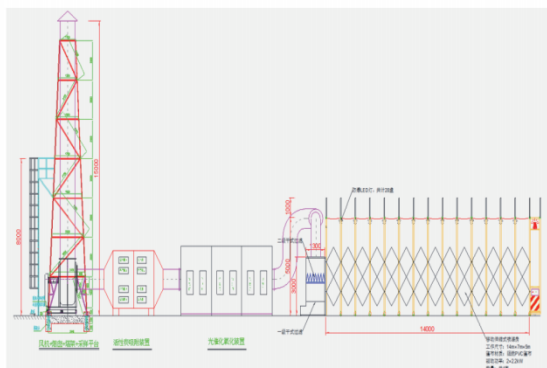
### Case 1

#### Application Situation

##### Retractable Spray Paint Room

Applied Industries	Steel Structure Processing
Spray Method	Dry Spray
Curing Way	Natural Drying
Major Structure	Retractable Mobile Spray Painting Room
Hoisting Mode	Over Head Crane
Contract Work Load	Spray Paint Room, Air Supply System, Filter Layer, Lighting Device, Dry Type Spraying Waste Air Treatment Device

#### Proposal Design



#### Finished Project





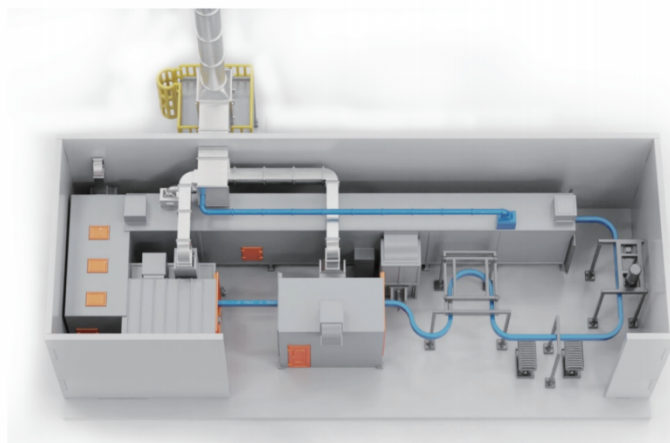
## Case 2

### Application Situation

This is a turkey solution, including engine shell surface cleaning room, water curtain spray room (spray room, air supply system, filter layer, lighting device, water curtain exhaust gas treatment device), drying interval leveling room, drying room, suspension conveyor, lifting system.

Industries	Engine housing machining
Spray method	Water curtain spraying
Curing way	Drying, natural gas heating
major structure	stationary type
Hoisting mode	Suspension transport
Contract Work Load	Spray paint room, air supply system, filter layer, lighting device, hanging conveyor, lifting system, supporting water curtain waste gas treatment device

### Proposal Design



3D Model

### Finished Project



Suspension Conveyor



Water Curtain

Commitment To Building The First-Class Brand  
In Environmental Protection Industries



Website



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