



# AL AIN AL DAHABIA

ELECTRICAL FITTINGS TRADING CO. L.L.C



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# AL AIN AL DAHABIA

ELECTRICAL FITTINGS TRADING CO. L.L.C

## OUR SERVICES

Ventilation and Air Conditioning System

Building Maintenance

Turn-key corporate interior solutions

(Design, Fit-out and Furnishing)

Electro mechanical Works

Solar Power Management

Engraving & Ornamentation Works

Plumbing and sanitary

Electrical Lighting and power

Stainless steel fabrication

Floor and wall tiling

Plaster And Cladding Works

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Project Management



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## Our Esteemed Customers





## **TUBE CLEANING MACHINES**



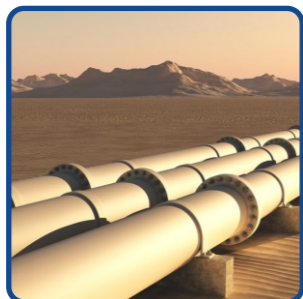
## **AIR DUCT CLEANING MACHINES**



## **INDUSTRIAL TUBE CLEANING MACHINES**



## **KITCHEN EXHAUST CLEANING MACHINES**



## **PIPELINE INSPECTION EQUIPMENT**



## **CHEMICAL CLEANING PRODUCTS**





# TUBE CLEANING MACHINES

**AL AIN AL DAHABIA**  
ELECTRICAL FITTINGS TRADING CO. L.L.C





## AD-101

### TUBE CLEANING MACHINE (BASIC MODEL)

AD-101 is suitable for fouling treatment in all kinds of tubes, and also suitable to the rust and scale removal in condensers, evaporators, heat exchangers and other heat exchange tubes. The lightweight design makes the product easy to carry.



## AD-208

### TUBE CLEANING MACHINE (PROFESSIONAL MODEL)

AD-208 is suitable for all kinds of tubes internal cleaning. The product has the stable performance. The shell adopts 304 wire drawing plate, never rust. At the same time, the product is equipped with foot switch end leakage protection power supply to ensure the construction safety. Double \*halts design with one main line end the other standby line, to ensure the smooth completion of the project.



## AD-106

### TUBE CLEANING MACHINE (MULTI FUNCTIONAL MODEL)

AD-106 tube cleaner is multi-function design. The product can be equipped with high pressure water gun to do the high pressure washing; The product also can be connected to the tap water for cleaning. The functional is powerful and can be used in various working conditions.

### Portable Design (BASIC MODEL)

### AD-101

#### 0-1400rpm Stepless Adjustment

- Improve Cleaning Speed
- Wide range of cleaning works

#### Water inlet on Shaft

- Spray water while brushing have a better cleaning effect
- Protect the main unit from corrosion

### Stable Performance

### AD-208

#### Dual Control Lines

- Main Line + Standby Line
- Ensure the smooth completion of the project

#### Star of the cost performance

- Stable Performance
- One Year Warranty

### High Pressure Cleaning

### AD-106

#### Self Suction Design

- 60Kg High Pressure water Cleaning
- Residue is cleaned immediately after flushing

#### Water inlet on Shaft

- Spray water while brushing have a better cleaning effect
- Protect the main unit from corrosion

## MODEL

## AD-101

## AD-208

## AD-106

MODEL	AD-101	AD-208	AD-106
Name	Tube cleaning machine (basic model)	Tube cleaning machine (professional model)	Tube cleaner machine (multi function model)
Voltage	220V-240V/ 110V; 50Hz/60Hz	220V-240V/110V; 50Hz/60Hz	220V-240V/110V; 50Hz/60Hz
Power	375w	375w	370W (tube cleaner) + 1000W (high pressure pump)
Brush Speed	0-1400rpm (stepless adjustment)	900rpm	0-1400rpm (stepless adjustment)
Water pressure	/	/	60Bar
Water flow	/	/	5L./min
Weight for main unit	13kg 350mm*200mm*170mm	19kg	25kg
Dimension for main unit	20m (standard)	355mm*335mm*185mm	400mm*265mm*410mm
Water pipe	1pc (6/8/10/12mm for option)	20m (standard)	20m (standard)
Flexible shaft	10pcs (6.5-25.4mm for option)	2pcs (6/8/10/12 mm for option)	2pcs (6/8/ 10/12mm for option)
Brush	φ6.35- φ25.4mm	10pc (6.5-25.4mm for option)	10pcs (12.7-25.4mm for option)
Applicable tube range	Basic model, easy to operate end use	φ6.35- φ25.4mm	φ6.35- φ25.4mm
Contrast of function		Profesional model, stebTe end relieble	Multi-function model, tube cleaner with high pressure cleaning

## AD-202

### TUBE CLEANER MACHINE

(HIGH CONFIGURATION MODEL)

AD-202 tube cleaner is suitable to various condenser copper tubes, which can have an effective cleaning effect to scale, rust etc. The brush speed is 0-1400 stepless adjustment. It can spray water while brushing, so as to clean the tubes easily.

#### Standard packing list

- ⊙ Detachable flexible shaft
- ⊙ Water pipe
- ⊙ Foot switch
- ⊙ Power cord
- ⊙ Coupling
- ⊙ Brush



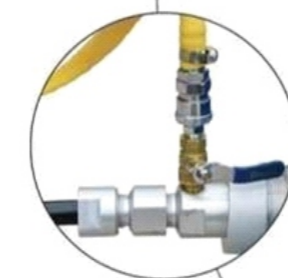
**Forward & reverse rotation**  
To prevent the brush from stuck in tubes  
Have a better cleaning effect



**Brush speed is stepless adjustment**  
To improve the cleaning speed  
Applicable to a wider range of working conditions



**Water is Inlet on the shaft**  
Spray water while brushing  
Have a better cleaning effect



**Pedal pneumatic switch**  
Avoid electric shock during cleaning operation  
Easy to use



### MODEL

Name	Tube cleaner machine (double-shaft efficiency model)	Dimenton for main unit	400mm*225mm*405mm
Voltage	220V-240V/110V; 50Hz/60HZ	Water pipe	20m (standard)
Power	1500w	Flexible shaft	2pcs (6/8/10/12 mm for option)
Brush speed	0-1400rpm	Brush	10pcs (various sizes for option )
Water pressure		Applicable tube range	φ 6.35 - φ25.4mm
Water flow	49kg	Contrast of function	High configuration model, dual control lines, wear- resistant shaft
Weight for main unit			





## AD-203

### TUBE CLEANER MACHINE (DOUBLE-SHAFT EFFICIENCY MODEL)

AD-203 tube cleaner is specially designed for cleaning companies. Integrating the United States, Germany and Italy technologies, we originated the product with the dual control lines. The 2 flexible shafts can work together and the cleaning efficiency is 2 times of the ordinary tube cleaner in the market; The shell adopts 304 brushed stainless steel plate, imported core components, which is very durable; The product is recognized and sought after by domestic cleaning companies, occupying 80% of the domestic market and sold to Europe, America, East Asia etc

### APPLICATIONS

- 01 Condensers
- 02 Chillers
- 03 Evaporators
- 04 Heat exchangers and so on...

## Double shafts work together, Double efficiency

#### Dual control lines

- Two flexible shafts work together and the cleaning efficiency is double
- Suitable for heavy workload and tight construction schedule

#### Water is inlet on the shaft

- Spray water while brushing, have a better cleaning effect
- Avoid accidents due to seal damage of main unit

#### Brush speed is adjustable

- To improve the cleaning speed• Applicable to a wider range of working conditions

#### Pedal pneumatic switch

- Avoid electric shock during clean-ing operation• Easy to use

### MODEL

Name	Tube cleaner machine (double-shaft efficiency model)	Dimenton for main unit	540mm 335mm*1045mm
Voltage	220V-240V/110V; 50Hz/60HZ	Water pipe	20m (standard)
Power	1500w	Flexible shaft	2pcs (6/8/10/12mm for option)
Brush speed	0-1400rpm	Brush	10pcs (6.5-25.4mm for option)
Water pressure	/	Applicable tube range	φ6.35 - φ200mm
Water flow	/	Contrast of function	Double-shaft design, for numerous tubes, tight construction schedule, more efficient cleaning
Weight for main unit	49kg		

# AIR DUCT CLEANING MACHINES





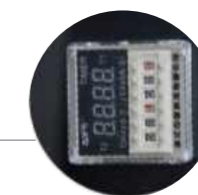
## AD-928

### ROTARY BRUSH AIR DUCT CLEANING MACHINE

AD 928 is suitable for cleaning 80\*600 mm circular and rectangular ducts. The hose can be stretched without disassembling and work on the bracket directly to serve the working space.

Hose can be stretched easily  
Metal corrugated plastic sheath can clean ducts with curves  
Durable service

**With brushes of different sizes**  
Choose the right brush according to the duct size.  
Brush size can be customized according to the duct size



Automatic Forward and Reverse rotation  
The time and frequency for Forward and Reverse rotation can be set.



Manual forward and reverse rotation  
Adjust forward, reverse and circulating rotation as required.



Brush Speed is stepless adjustment  
0-1000rpm stepless adjustment.  
Clean kinds of dirt without residue

## Long Distance - Large Area Cleaning

#### Widely Cleaning Applications

- Applicable to 80-600mm ducts
- Can Clean Circular and Rectangular Ducts

#### Forward and Reverse Rotation

- Forward and reverse rotation design can clean your ducts thoroughly

#### Brush Speed is Adjustable

- 0-1000rpm Stepless Adjustment
- Hard Brush and Soft Brush for Option can clean kinds of dusts

#### Provide Long Distance Cleaning

- Hose is 45m long
- Cart support makes your cleaning easier

MODEL	AD-928		
Name	ROTARY BRUSH AIR DUCT CLEANING MACHINE	Ceiling height	/
Voltage	220V-240V/110V; 50Hz/60HZ	Weight for main unit	43 KG
Power	200W	Dimension for main unit	915 mm * 545mm * 885mm
Brush speed	0-1000 rpm (stepless adjustment)	Applicable duct range	φ80-φ600 mm
Hose length	22m/25m	Contrast of function	Provide 45m Long distance cleaning. Brush speed is stepless adjustable
Air volume	/		

## AD-916

### DUCT CLEANING VACUUME

AD-916 is a high-power duct cleaning vacuum. The motor rotates at high speed with 4000m<sup>3</sup>/h air volume, it vacuums dust from ducts to its dust filter bag. This product adopts high quality centrifugal fan and high molecular sound absorbing material to reduce noise.



Can clean rectangular ducts



Can clean circular ducts



## Large vacuum, High capacity 4000m<sup>3</sup>/h large air volume

#### 2200w high power

- Fast vacuuming speed
- Save cleaning time

#### Dust filter bag design

- Perfect dust collection
- Filter out the fresh air

#### Collapsible vacuum hose with telescopic plug tray and support

- Can be stretched freely
- 5m hose

#### Universal wheel design

- Universal wheel design is easy to operate Easy to move

### MODEL

### AD-916

Name	Duct cleaner vacuum	Ceiling height	2.6-3.5 m
Voltage	220V-240V/110V; 50Hz/60HZ	Weight for main unit	88KG
Power	2.2KW	Dimension for main unit	590mm*660mm*1025mm
Brush speed	/	Applicable duct range	≤ 500mm
Hose length	5m (hose length)	Contrast of function	Industrial vacuum cleaner, large air volume, Strong Suction Ability
Air volume	4000m <sup>3</sup> /h		



## AD-926

### PORTABLE AIR DUCT CLEANING MACHINE

It is suitable for dust cleaning in air ducts of central air conditioner, flour mill, chemical plant and other ducts. The cleaning brush rotates at high speed to clean up the dust inside the ducts.



## AD-927

### DRILL POWERED DUCT CLEANING TOOL

AD-927 is suitable for all kinds of sharp bending ducts, with overall light weight, soft and flexible shaft. Driven by electric pistol drill, which is easy to operate.



#### Cleaning the dust in ducts, cleaning without dead angle

##### 0-1400rpm stepless adjustment

- To improve the cleaning speed
- Suitable for different types of duct cleaning

##### Long cleaning distance

- Can clean 30 meters at a time
- 50-800mm, widely applicable

#### Small ventilation ducts. easy to operate

##### Ball head brush design

- Suitable for sharp bending ducts below 200mm
- No damage to duct

##### 25+1 Torque adjustment

- Electric pistol drill drive
- Easy to operate, with overall light weight

MODEL	AD-926	AD-927
Name	Portable air duct cleaning machine	Drill powered duct cleaning tool
Voltage	220V-240 V/110V; 50Hz / 60Hz	/
Power	550W	/
Brush Speed	0 -1400rpm (stepless adjustment )	25+1 Torque adjustment
Hose Length	15m (can be customized )	8 m (standard)
Brush	4pcs (various sizes for option)	/
Ceiling Hight	/	2 KG
Weight for main unit	35KG	45mm*45 mm (Storage bag size)
Dimension for main unit	440mm*240mm*320mm	≤ 200mm
Applicable tube range	φ50- φ800mm	Small ventilation ducts, suitable for all kinds
Contrast of function	Applicable to kinds of duct cleaning, long cleaning distance, adjustable brush speed	of sharp bending ducts

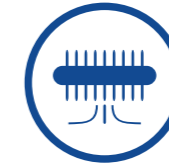
## AD-976

### DUCT CLEANING ROBOT WITH VACUUMS AND CAMERAS

AD-976 duct cleaning robot is the all-in-one unit with brushing, vacuums and camera. It equips with vacuums on the top and bottom of the robot. Camera is 10" high-definition display screen, to ensure no dead corner is left without cleaning. With strong LED lights, you can see the ducts clearly while cleaning. With 2800W high power, it can clean 250-800mm air ducts



**Strong vacuum ability**



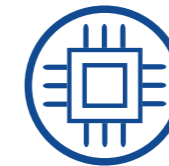
**Brushing with vacuums**



**360 Cleaning**



**Professional Design**



**Artificial Intelligence**



**HD Video Recording**

**2000m<sup>3</sup>/h vacuum ability. 2 cameras**

#### 2 vacuums, two-way vacuum

- 2 vacuums work simultaneously
- Two-way vacuum make your ducts cleaner

#### 2 brushes do cleaning simultaneously

- Robot brush and bottom strip brush do cleaning simultaneously
- No dead corner left without cleaning

#### HD display

- Strong LED lights to light up every corner in the ducts
- 1080P high-definition night vision camera

#### 2800W high power

- Pure copper large motor, faster and more powerful vacuum
- Strong motor power, can climb and step over obstacles

### MODEL

Name	Duct cleaning robot with vacuums and cameras	Robot Crawling Speed	0.3m/e
Voltage	220V-240V/110V; 50Hz/60Hz	Robot weight	11kg
Power	2800W	Robot dimension	650" 310"160mm (when brush is at the bottom) 600"310"330mm (when brush is at the top)
Brush speed	500rpm	Weight for main unit	43kg
Water pressure	10" HD LCD screen	Dimension for main unit	480mm*500mm*700 mm
Water flow	AH D high- definition camera	Applicable duct range	φ250 - φ800mm Width 350mm
Weight for main unit	4 bright LED lights	Contrast of function	Central Air Conditioning mein ducts cleaning



## AD-836

### AIR DUCT CLEANING MACHINE WITH VACUUMS

AD-838 is the all-In-one unit with brushing and vacuums, which is suitable for 100-800mm ducts cleaning. The brush speed is 0-1400rpm stepless adjustment

### Brushing & vacuums, Save time and labor

#### High power

- High quality motor
- Effective vacuuming for 100-500mm ducts
- Effective brushing for 100-800mm ducts

#### 2 modes operation: manual & remote control

- Manual mode is easy to operate
- Remote control is effective within 1km.

#### Brush speed is adjustable

- 0-1400rpm stepless adjustment
- Can clean various ducts

#### Applicable to circular & rectangular, horizontal & vertical ducts



## AD-836 With Camera

### AIR DUCT CLEANING MACHINE WITH VACUUMS AND CAMERA

AD-838 With Camera is the all-In-one unit with brushing, vacuums and Camera, which is suitable for 100-800mm ducts cleaning. The main unit is equipped with 10" high definition LCD screen to ensure that there are no dead corner in cleaning. The brush speed is 0-1400rpm stepless adjustment

### HD Display Cleaner Brushing

#### HD display in the air ducts

- High-definition night vision camera shows the inside of the duct clearly
- 10" high-definition LCD screen provides the full screen monitoring

#### Brush speed is adjustable

- 0-1400rpm stepless adjustment
- Can clean various ducts

#### 2 modes operation manual & remote control

- Manual mode is easy to operate
- Remote control is effective within 1km.

#### Applicable to circular & rectangular, horizontal & vertical ducts



MODEL	AD-836		
Name	Air Duct Cleaning Machine with Vacuums	Light	/
Voltage	220V-240V/110V; 50Hz/60HZ	Weight for Main Unit	43.5 Kgs
Power	2800W	Dimension for Main Unit	460mm*402mm*740mm
Brush speed	0-1400 rpm (stepless adjustment)	Applicable duct range	φ100-φ800mm
Display Size	/	Contrast of Function	Air ducts Cleaning
Application	Horizontal and vertical air ducts		

MODEL	AD-836 WITH CAMERA		
Name	Air Duct Cleaning Machine with Vacuums	Camera Pixel	AHD HD Camera
Voltage	220V-240V/110V; 50Hz/60HZ	Light	A Highlight LED Light
Power	2800W	Weight for Main Unit	45 Kgs
Brush speed	0-1400 rpm (stepless adjustment)	Dimension for Main Unit	460mm*402mm*762mm
Display Size	10" HD LCD Screen	Applicable duct range	φ100-φ800mm
Application	Horizontal and vertical air ducts	Contrast of Function	Air ducts Cleaning



## AD-917 FOGGING MACHINE

AD-917 is specially designed for air duct disinfection. It is convenient and flexible in use. With corrosion resistant, delicate atomization and long distance spray, it is a good helper for air duct disinfection



### SIX CORE STRENGTHS



**High Power  
Motor**



**High Speed  
Fog Spraying**



**Flexible Hose  
Design**



**Air Pressure Self  
Locking Nozzle**



**Thicken Bdy**



**Decompression  
Straps**

### MODEL AD-917

Name	Fogger Machine	Net Weight	2.3k Kgs
Voltage	220V-240V/110V; 50Hz/60HZ	Gross Weight	3.34 Kgs
Power	1000W	Tank Capacity	5L
Spray Volume	470ml/min (Adjustable)	Dimension n	560mm*240mm*320mm
Spray Distance	6-8m		

# INDUSTRIAL TUBE CLEANING MACHINES



# AD-925

## MULTI-FUNCTION CLEANING MACHINE

AD- 925 is mainly used for fan coils cleaning. It has 5 cleaning modes with multi-function spray gun cleaning, steam cleaning, cold/hot water cleaning, pulse cleaning end ozone disinfection. It's the all-in-one unit with spotlight, voice broadcast and temperature adjustment. It is also widely used for deep cleaning of the household appliances.

### FIVE CORE TECHNOLOGIES



#### High Quality Motor

Pure copper motor can bear 10 kg pressure. High voltage frequency conversion adjustable pump with continuous water supply, high pressure, safety and other advantages



#### Micro Computer Programming

Integrated Circuit



#### Fully Sealed Box

ABS box. The weight of the whole machine is less than 15 kg, which is easy to carry



#### Multi Function Spray Gun

With spotlight and voice broadcast, which can control the machine and adjust the cleaning mode



#### Waterproof Panel

Eliminate the mechanical button switches, eliminate any potential leakages, high temperature resistance, simple control panel.



## MODEL AD-925

Steam Parameter		Cold/Hot Water Parameter		Disinfection Parameter	
Name	Value/Unit	Name	Value/Unit	Name	Value/Unit
Voltage	220 V-240 V/110 V; 50Hz / 60Hz	Voltage	220 V-240 V/110 V; 50Hz / 60Hz	Voltage	220 V-240 V; 50Hz / 60Hz
Power	3300W	Power	3300W	Air Volume	3300W
Steam Temperature	100°C - 120°C	Suction Distance	Max 1.5mtr	Power	8W
Max. Cont. Working Time	180min	Spray Distance	Max 6mtr	Sterilizing Rate	99.99%
Steam Pipe Length	330cms	Water outlet pressure	0.3-0.3Mpa	Algae Removal Rate	99.99%
<b>Machine Dimension</b>		Maximum flow	6L/m	Air Output	3.5L/Min
Length	450mm	Maximum Outlet Temp.	85°C - 100°C	Air Pressure	25kg/cm
Width	310mm	Length of inlet pipe	160 Cms	Ozone Volume	300mg/h
Hight	200mm	Length of outlet pipe	330 Cms	Operating Temperature Range	-10°C ~ +60°C
Weight	9 Kgs			Length of Disinfection Pipe	160cm



**INDUSTRIAL TUBE CLEANING MACHINE**

# Star of Dredge

## AD-206

### BOILER TUBE CLEANER

AD-206 is suitable for all kinds of tubes cleaning. The cleaning scope covers the air pre-heatere, power plant condensers, air pre-heaters, gas coolers, kinds of heat exchanger tubes, and other industrial tubes

**Equipped with flexible shaft**  
Applicable tube range is 6.35mm-800mm  
Easily clean hard blocked tubes are cleaned thoroughly

**Hard alloy drill**  
Hard alloy drill has a wide bearing surface Stronger dredge, faster cleaning.

**Air/water flushing modes**  
Air blast cleaning without water operation, can blow broken dirt out from the tubes. Water flush cleaning can wash the dirt away from the tubes, so that the tubes are cleaned thoroughly.

**Torque is adjustable**  
Different flexible shafts with different torques, so as to protect the flexible shaft  
Extend the service life of flexible shaft

**0-2800rpm stepless adjustment**  
The recommended rotation speed is 1000-2000 rpm for non-blocked tubes and 2000-2800rpm for blocked tubes.

**Two flexible shafts work simultaneously, double the cleaning efficiency**  
Spindle and auxiliary shaft can work at the same time. They do not interfere with each other and can be stopped and run at will.



### MODEL AD-836

Name	Boiler Tube Cleaning Machine	Weight of control cabinet	15 Kgs	Applicable tube range	φ6.35 - φ800mm
Voltage	380V / 50Hz	Weight for main unit	80 Kgs	Contrast of function	Can clean hard choked tubes
Power	3000W	Dimension of control cabinet	450mm*320mm*260mm		
Brush Speed	0- 2800rpm (stepless adjustment)	Dimension for mein unit	660mm*420mm*400mm		





## AD-212

### PORTABLE BOILER TUBE MACHINE

AD-212 is specially designed for boiler fire tube dry cleaning. The product is easy to use, and can clean the hard blocked tubes. It uses drills and wire brushes to clean tubes in dry cleaning.



## AD-302

### SPLIT TYPE BOILER TUBE MACHINE

AD-302 boiler tube cleaner can clean copper tubes, ordinary steel tubes, Iron tubes, stainless steel tubes and other material tubes. It can clean straight tube, elbow tubes, such as S bend tubes, L bend tubes, vertical tubes, horizontal tubes etc. It is suitable for water well tubes, boiler tubes, heat exchanger tubes and other tubes cleaning.

## Effective dredge, dry cleaning

### Dry cleaning

Used for dry cleaning tubes  
Clean the boiler fire tubes

### 1500w High Power

Strong power, quick dredging  
Compact size design

### Continuous operation

Can work continuously for 24 hours  
High quality accessories, durable

## Energy conservation, environmental protection

### Split design

Compact size design  
Can clean in boiler

### Torque is adjustable

Extend the service life of flexible shaft  
Change the torque transmission

### Brush speed is stepless adjustment

0-1400rpm stepless adjustment  
Meet the needs of a variety of working conditions

MODEL	AD-212	AD-302
Name	Portable Boiler Tube cleaning machine	Split Type Boiler Tube cleaning machine
Voltage	380V/50Hz	220V-240V/110V; 50Hz/60Hz
Power	1500W	1500W
Brush Speed	900rpm	0-1400rpm (Stepless Adjustment)
Weight of Control Cabinet	/	8Kgs
Weight for main unit	26Kg	44Kgs
Dimension for Control Cabinet	/	360mm*200mm*175mm
Dimension for main unit	430mm*260mm*240mm	700mm*230mm*300mm
Applicable tube range	φ30-φ 200mm	φ6.35- φ200mm
Contrast of function	Suitable for Boiler Fire Tubes, Dry Cleaning	Can Clean "S" and "L" Bend Tubes.



## AD-306 BOILER TUBE CLEANER

AD-306 is suitable for all kinds of large tubes internal dirt cleaning. It is suitable for air pre-heaters/power plant condensers/air pre-heaters/gas coolers and other heat exchanger tubes cleaning and polishing of various tubes. When the cleaning brush or the drill rotates in the tube at high speed, the water also sprays out at the same time, washing the dirt that has been loosened so that the tube is cleaned thoroughly, which can remove the dirt, mud, scale and rust inside the tubes quickly and efficiently. The machine is of high efficiency, low cost and no harm to the tubes.



### SIX CORE TECHNOLOGIES



**High Power  
Motor**



**Manual Remote  
Control**



**Adjustable  
Brush Speed**



**Torque  
Controller**



**Shaft Core  
Protection Device**



**Water Inlet  
on the Shaft**

## Large tube cleaning, Blocked tube cleaning

### 4000w high power

- Large strength and strong power, easy to clean the hard blocked large tubes
- Applicable to 50-800mm tubes

### 0-3000rpm stepless adjustment

- Adjust brush speed according to different working conditions
- High speed make stronger descaling power

### Fully equipped

- Configure different flexible shafts for different working conditions
- Flexible shaft and steel belt drying cleaning shaft for your option

### Equipped with descaling polishing drill

- Drill size is equipped based on the tube size to clean the dirt thoroughly

### MODEL AD-306

Name	Boiler Tube Cleaning Machine	Weight of control cabinet	15 Kgs	Applicable tube range	ϕ50 - ϕ800mm
Voltage	380V / 50Hz	Weight for main unit	105 Kgs	Contrast of function	Large Tubes Cleaning hard choked tubes
Power	4000W	Dimension of control cabinet	450mm*320mm*260mm		
Brush Speed	0- 3000rpm (stepless adjustment)	Dimension for main unit	770mm*460mm*410mm		

# KITCHEN EXHAUST CLEANING MACHINES





## AD-8050 FOAM GENERATOR

AD-8050 foam generator has the advantages of rich foaming, continuous working and strong de-greasing power. The product is recognized and sought after by domestic cleaning companies, occupying 80% of the domestic market and sold to Europe, America, Middle East, Southeast Asia etc.

### FOUR CORE STRENGTHS



**Rich foam**  
Generate rich foam



**Strong de-greasing power**  
Foam wall hanging effect is good, which can maximize the reaction with grease, improving the cleaning effect



**Cost reduction**  
Small dosage of agent greatly reduces the cost of agent



**Continuous working**  
Air compressor works according to the tank pressure rating, so it can start or stop working automatically to keep the tank pressure at the steady state value.

### FEATURES

01

**Compact size, easy to move**  
Integrated the foam machine with air compressor, it's compact size, simple connection way and easy to transport

03

**Intelligent module**  
Intelligent module design for pressure automatic control for pressure, do not need the artificial operation

02

**High safety performance**  
Water inlet valve with protective cover to prevent accidental collision in the process of use, which owns high safety



FOAM CLEANING



### MODEL AD-8050

Name	Foam Generator	Rated Power	1500 W
Voltage	220V -240V / 110V; 50Hz/60Hz	Working Pressure	0.15-0.25mpa (Automatic Control)
Weight	30kg	Product Dimension	240mm*540mm*940mm



## AD-8020 HIGH PRESSURE CLEANING MACHINE

AD-8020 high pressure cleaning machine is suitable for kitchen hood cleaning. It's acid and alkali resistance, corrosion resistance, can be used through the alkali agent and hot water.

This product adopts full intelligent control system with self-suction function, which is free from site restrictions. Hot water end alkali resistance; Integrated stainless steel pump head design; Corrosion resistance.

Intelligent control system has the overload protection, shut down the gun, shut down the gun pressure relief, leakage protection, intelligent display lack of phase protection functions and so on.



## AD-8010 ULTRASONIC CLEANING MACHINE

AD-8010 ultrasonic cleaning machine has the function of physical cleaning and chemical cleaning. It's been widely used in oil defectors cleaning and electric field cleaning.

Strong vibration: Industrial vibrate head: The vibrate force is strong enough to remove wax, oil and rust, and does not hurt the cleaning objects.

External generator; Vibration wave power is adjustable: High cleaning efficiency' Vibration wave strength is strong and even; Stable performance

MODEL	AD-8020		
Name	High Pressure Cleaning Machine	Weight for Main Unit	55 Kgs
Voltage	220V-240V/110V; 50Hz/60HZ	Dimension for Main Unit	74mm*45mm*500mm
Power	2200W		
Water Pressure	100 Kgs		
Max Flow			

MODEL	AD-8010		
Name	Ultrasonic Cleaning Machine	Heating Power	AHD HD Camera
Voltage	220V-240V/110V; 50Hz/60HZ	Product Size	860*760*800mm
Capacity	135L	Size for cleaning becket	540*480*400mm
Vibration Wave	0-1800w adjustable, 28KHz/40KHz	.Material for basket	Stainless steel
Time Control	1-99 Hours Adjustable	Standard padding list	Mein unit: 1p Accesory: 1set
Temprature	Room Temp to 95°C Adjustable	Weight	97kg



## AD-8001

### KITCHEN EXHAUST CLEANING MACHINE

AD-8001 kitchen exhaust cleaning machine supports brushing, agent cleaning, hot water cleaning. The decreasing ability is strong and efficient. AD-8001 can be connected with nylon brush or wire brush. The brush speed is stepless adjustment and it supports forward and reverse rotation.

#### FIVE CORE TECHNOLOGIES



##### High Power Motor

1500w high power motor, strong power, effective cleaning for grease



##### Forward and reverse rotation

Can clean grease quickly and thoroughly degreasing rate reaches more than 90%.



##### Adjustable Brush Speed

0-1400rpm stepless adjustment. Applicable to rectangular ducts, circular ducts, vertical ducts and horizontal ducts



##### Foam degrades the oil foaming

KT-8001 can work with KT-050 foam generator to clean the grease ducts by foam brushing



##### Multiple modes of operation

High speed brushing, agent cleaning, hot water cleaning



#### Standard Packing List

- Brush
- Foot switch
- Water pipe
- Suction pump
- Hose



#### MODEL AD-8001

Name	Kitchen exhaust cleaning machine	Weight of control cabinet	5A
Voltage	220V-240V/110V; 60Hz/60Hz	Water Pipe	20m (Standard)
Power	1500w	Weight for main unit	93 Kgs
Brush Speed	0-1400rpm (stepless adjustment)	Dimension for main unit	1000mm*580mm*1000mm
Water Flow	3L/min	Applicable Duct range	φ100 - φ800mm
Water Pressure	6-8Kgf	Contrast of function	Wire brush for heavy grease cleaning. Can co-work with KT-8050 foam generator



# KITCHEN EXHAUST CLEANING MACHINES



# AD-8050

## FOAM GENERATOR

AD-8050 foam generator has the advantages of rich foaming, continuous working and strong de-greasing power. The product is recognized and sought after by domestic cleaning companies, occupying 80% of the domestic market and sold to Europe, America, Middle East, Southeast Asia etc.

### FEATURES

**01 Compact size, easy to move**  
integrated the foam machine with air compressor, it's compact size, simple connection way and easy to transport

**02 Intelligent module**  
Intelligent module design for pressure automatic control for pressure, do not need the artificial operation

**03 High safety performance**  
Water inlet valve with protective cover to prevent accidental collision in the process of use, which owns high safety

### FOUR CORE STRENGTHS



**Rich foam**  
Generate rich foam



**Strong de-greasing power**  
Foam wall hanging effect is good, which can maximize the reaction with grease, improving the cleaning effect



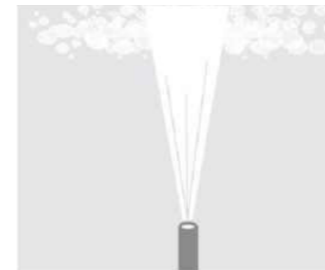
**Cost reduction**  
Small dosage of agent greatly reduces the cost of agent



**Continuous working**  
Air compressor works according to the tank pressure rating, so it can start or stop working automatically to keep the tank pressure at the steady state value.



FOAM CLEANING



## MODEL AD-8050

Name	Foam Generator	Rated Power	1500 W
Voltage	220V -240V / 110V; 50Hz/60Hz	Working Pressure	0.15-0.25mpa (Automatic Control)
Weight	30kg	Product Dimension	240mm*540mm*940mm



# AD-8020

## HIGH PRESSURE CLEANING MACHINE

AD-8020 high pressure cleaning machine is suitable for kitchen hood cleaning. It's acid and alkali resistance, corrosion resistance, can be used through the alkali agent and hot water.

This product adopts full intelligent control system with self-suction function, which is free from site restrictions. Hot water end alkali resistance; Integrated stainless steel pump head design; Corrosion resistance.

Intelligent control system has the overload protection, shut down the gun, shut down the gun pressure relief, leakage protection, intelligent display lack of phase protection functions and so on.



# AD-8010

## ULTRASONIC CLEANING MACHINE

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Strong vibration: Industrial vibrate head: The vibrate force is strong enough to remove wax, oil and rust, and does not hurt the cleaning objects.

External generator; Vibration wave power is adjustable: High cleaning efficiency' Vibration wave strength is strong and even; Stable performance

### MODEL AD-8020

Name	High Pressure Cleaning Machine	Weight for Main Unit	55 Kgs
Voltage	220V-240V/110V; 50Hz/60HZ	Dimension for Main Unit	74mm*45mm*500mm
Power	2200W		
Water Pressure	100 Kgs		
Max Flow			

### MODEL AD-836 WITH CAMERA

Name	Ultrasonic Cleaning Machine	Heating Power	AHD HD Camera
Voltage	220V-240V/110V; 50Hz/60HZ	Product Size	860*760*800mm
Capacity	135L	Size for cleaning becket	540*480*400mm
Vibration Wave	0-1800w adjustable, 28KHz/40KHz	.Material for basket	Stainless steel
Time Control	1-99 Hours Adjustable	Standard padding list	Mein unit: 1p Accesory: 1set
Temprature	Room Temp to 95°C Adjustable	Weight	97kg



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#### Multiple modes of operation

High speed brushing, agent cleaning, hot water cleaning



### Standard Packing List

- 01 Brush
- 02 Foot switch
- 03 Water pipe
- 04 Suction pump
- 05 Hose



## MODEL AD-8001

Name	Kitchen exhaust cleaning machine	Weight of control cabinet	5A
Voltage	220V-240V/110V; 60Hz/60Hz	Water Pipe	20m (Standard)
Power	1500w	Weight for main unit	93 Kgs
Brush Speed	0-1400rpm (stepless adjustment)	Dimension for main unit	1000mm*580mm*1000mm
Water Flow	3L/min	Applicable Duct range	φ100 - φ800mm
Water Pressure	6-8Kgf	Contrast of function	Wire brush for heavy grease cleaning. Can co-work with KT-8050 foam generator



# PIPELINE INSPECTION EQUIPMENT





# AD-995

HD Wireless Periscope

## THE CORE FUNCTION

HD wireless periscope is mainly used in municipal pipeline network or tunnels culvert fast imaging detection, in the process of detection, by manipulating the intelligent control terminal| real-time recording and save the internal image of the detected object, can quickly capture, save the defect Images, can generate on- site inspection report, users can clearly understand the situation of reel-time detection objects, and make the right decisions.

## PRODUCT FEATURES

- ⦿ Potable design suitable for field work environment
- ⦿ 2.14 million HD camera lens, 36 x optical zoom
- ⦿ The nose rotates 360 degrees to ensure no dead Angle
- ⦿ Graphical touch interface, simple & fast
- ⦿ Infrared laser ranging from 0.05-80m precision of  $\pm 0.015m$
- ⦿ Unique U-shaped support rod design, shock and collision resistance c



*Potable design  
Suitable for field work*



*Terminal Touch Interface  
Easy to Operate*



*The nose rotates  
360 degrees to ensure  
no dead Angles*



## MODEL AD-995

Name		HD Wireless Periscope
Camera Host	Signal Transmission mode	Wireless communication
	Pixel	2.14 million high pixel, day and night HD integrated machine
	Sensor Distinguish ability	1/2.8"CMOS ICR
	Min. illumination	1920X1280 Max. Resolution
	Camera lens	Color: 0.05lux / Black end white: 0.01Lux
	Camera Light	36x optcel zoom, 12x digital zoom / uioee range: 10mm-1200mm Quids Angle - long yew)
	Laser Ranging	High beam: 2 high light cold white LED/cioee light: 3 high light cold white LED
	Waterproofing grade	Red laaer fiXed point, meaeuring distance 0,05 80m, meaeuring accuracy 0.015m
	Rotation angle	IP68
	Battery	360" Infinitely ro1atable
Tablet storage capacity		voltage: DC12V/capacity: 3.6Ah/Single battery life: 2.Sh, standard with 3 batteries
Length of telescopic rod Charging time of host battery		64GB 1.3 m when shortened, 5m when extended (customizable)
Applied environment		



# AD-996 CCTV

## PIPELINE INSPECTION ROBOT

AD-996 CCTV pipeline inspection robot is a new application of engineering technology. It uses an industrial pipeline camera system, continuously recording the actual situation inside the pipeline. According to the video data shot by the camera system, technicians can determine the location of the problems in the pipeline and judge the nature of the defects, which is real-time, intuitive, accurate, and forward-looking. In the aspect of environmental protection and prevention, targeted solutions are adopted to maintain drainage pipes and provide a reliable technical basis for rainwater, sewage retention and prevention and control of pipeline leakage pollution.

### APPLICATION

- 01 MUNICIPAL PIPE
- 02 VANE
- 03 VANE TUNNEL
- 04 CULVERT MINE





## Professional detection and scientific accuracy



### There is no leak point in all corner monitoring

- The lens is 360 degrees in axis
- Radial rotation 180 degrees



### Location Detection Function

- Real -time shooting and positioning during video recording Damaged part of pipeline



### Long Distance Electric Coil Car

- 120 meters electric coil and line car
- Automatic cable winding prevents cable winding

## MODEL AD-996 CCTV

Name		Pipeline Inspection Robot		
<b>Robot</b>	Motor	Six drive system, double motor imported from Switzerland, maximum power output 2000w-2	Electric coil car	
	Crawl Speed	Stepless adjustable, maximum speed 40m/min		
	Lighter stand	Remote control electric lifting frame can increase the height up to 180mm, suitable for different pipe diameter, no need to replace the lifting frame		
	Waterproofing grade	The basic structure is made up of water proof, water proof pressure is 25bar, water depth is 25m		
<b>Camera</b>	Distinguish ability	15x mechanical zoom, auto/manual focus, 3 megapixels (converted from line speed), horizontal resolution 2592*1520	Wireless controller	
	Viewing Angle/Sensitivity	Viewing Angle: 100° / Sensitivity: 0.01	Portable battery	
	Camera rotation	LUX 360 degrees in the axial direction and 180 in the radial direction	work environment	
	Light	Four bright LED headlights	Applicable tube range	
	Waterproofing grade	Ip68, can be used for 10m water depth, the basic structure is made of waterproof structure, to ensure a more perfect waterproof function		
			Cable tensile capacity	200 Bar
			Length of a single test	120 Mtr
			Rated capacity	5000mAh
			tBattery capacity	25Ah
			Operating ambient temperature	-25°C ~+55°C
				250-1500mm



# AD-988

## DUCT INSPECTION ROBOT

Ventilation duct detection robot, used for all kinds of air duct dust sample collection, bacteria testing, disinfection, detection of air quality

### THE CORE FUNCTION

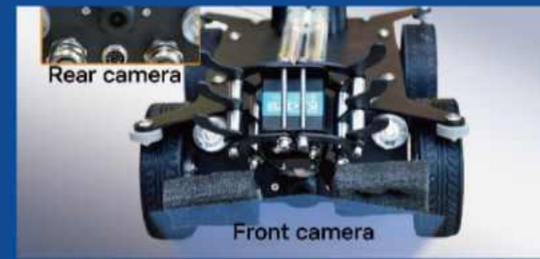
- 01 2 million HD pixels
- 02 Sample collection foreign object capture
- 03 Long range detection, Ultraviolet ozone sterilization
- 04 Ultraviolet ozone sterilization



Air duct samples are collected and strains tested



Ultraviolet Disinfection Lamp, double pipe irradiation disinfection efficiency doubled



Dual HD camera + memory card, full monitoring video



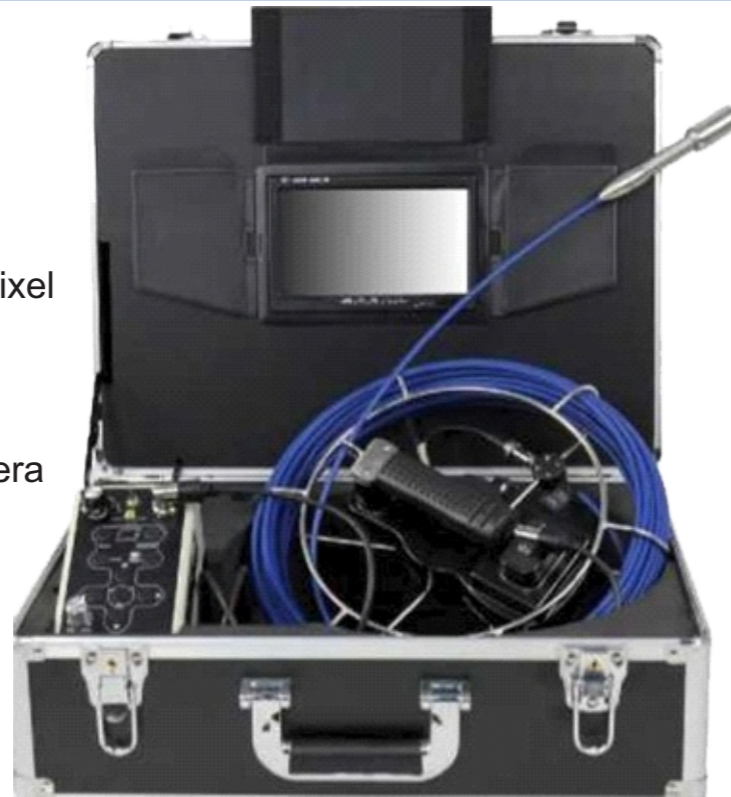
10 inch large display screen, air duct interior clearly visible

## MODEL AD-988

<b>Rated voltage of whole machine</b>		220V-240V/110V; 50Hz/60Hz	Power	220W
<b>Applicable duct range</b>		Height≥140mm; Width≥230mm		
Robot	Robot power voltage	24V/50Hz	Crawl speed	7.5m/min
	Camera pixel	AHD HD camera, 2 megapixels	Ultraviolet radiator	Ultraviolet disinfection
	Light	4 high light LED headlights	Claw to take the maximum range	0-100mm
	Claw lifting ability	1KG	Weigh	4.5kg
	Size	440mm*230mm 140mm		
Control Cabinet	Memory storage capacity	64G	Display size	10" HD LCD screen
Winding Disc	Cable tensile capacity	10 Bar	Length of a single test	20 meters (standard)

**CORE FUNCTIONS**

- 01 7 hours long endurance
- 02 420 thousand pixels per pixel
- 03 Color display design
- 04 Industrial waterproof camera



# AD-C23

## INDUSTRIAL PIPELINE INSPECTION CAMERA

AD-C23 industrial pipeline inspection camera is mainly used for pipes, drains, sewers, chimneys, machinery and building inspection and other fields, can achieve non-destructive testing without disassembly or destruction of assembly and equipment stop operation.



# AD-C50BF

## PIPELINE INSPECTION CAMERA

KT-C50BF pipeline Inspection camera is an application in water supply system, tanks and containers, natural gas, chemical pipelines, power plants and other internal and external detection is equipment instruments, usually detection objects for all kinds of pipelines. its function is to the pipeline aging, damage degree, internal blockage, corrosion damage, Internal structure analysis and a series of indicators to make a system intuitive detection judgment.



**CORE FUNCTIONS**

- 01 72 million HD pixels
- 02 7 hours long endurance
- 03 Long-distance detection
- 04 Industrial waterproof camera

**MODEL**

**AD-C23**

**AD-C50BF**

MODEL	AD-C23	AD-C50BF
Camera	Robot power voltage	420 thousand pixels
	Camera pixel	105°
	Light	12 LED light (white) adjustable
	Claw lifting ability	IP68
Control Cabinet	Size	7 inch TFT color display
	Memory storage capacity	8 GB SD card (maximum 256 GB) and USB flash drive
	Cable tensile capacity	Mp4
		7 hours of battery continuous working time
Winding Disc		4400mAh
		477mm*390mm*180mm
		20m (Max. 50m)
	5mm	60m (Max. 120m)
		9.5mm



# ACCESSORIES

**FLEXIBLE SHAFT** Applicable tube range: 6.5mm - 25.4mm



High Manganese: Spring steel VS wear resistant stainless steel (optional )  
 Shaft length Standard length is 7.6 meter a, can be customized  
 Applicable Copper tube, stainless steel tube, cast iron tube  
 The joint material: 304 stainless steel  
 Sleeve material Imported nylon

Connect with: Copper brush, wire brush, alloy drill  
 The diameter of Flexible shaft.: 6mm/8mm/10 mm/12mm  
 Applicable equipment: Tube cleaner machines  
 Warranty period: One Year Warranty

**FLEXIBLE SHAFT (For Blocked Tube)** (Applicable tube range:6.5mm - 25.4mm)



Shaft Core Material High Manganese apring steel VS wear resistant stainless steel (optional)  
 Shaft length Standard length 76 meters, can be customized  
 Applicable Stainless steel tube, cast iron tube. titanium steel tube  
 Connect With Copper wire brush, steel wire brush, alloy steel cutter head

Applicable equipment: AD-206/AD-203/AD-302  
 diameter of Flexible shaft: 10mm/12mm/16mm/22mm/27mm  
 Warranty period: One year warranty  
 Sleeve material: Imported nylon/resin steel belt  
 The joint material: 304 stainless steel

**SPRING FLEXIBLE SHAFT**



Applicable tube range: 25mm-80mm  
 Length: Standard length is 8 meters, can be customized  
 Diameter of flexible shaft: 16mm/20mm/25mm  
 Applicable: Copper brush, wire brush, alloy drill  
 Applicable: Boiler fire tube  
 Applicable equipment AD-206/AD-302/AD212/AD-306

**CORNERING FLEXIBLE SHAFT**



Applicable tube range 14mm-800mm  
 Length: Standard length is 8 meters (can be customized)  
 Diameter of flexible shaft 10mm/12mm/16mm/22mm/27mm  
 Applicable: Copper brush, wire brush, alloy drill  
 Applicable: Copper tube, stainless steel tube, cast iron tube, titanium steel tube  
 Applicable equipment AD-206/AD-302/AD-212/AD-306

**DUCT CLEANING HOSE 01**



Applicable duct range: 250mm-800mm  
 Length: 15m (can be customized)  
 Applicable: Duct cleaning robot  
 Applicable: AD-976

**DUCT CLEANING HOSE 02**



Applicable duct range: 100mm-800mm  
 Length: 15m (can be customized)  
 Applicable: Duct cleaning brush  
 Applicable: Central air duct  
 Suitable equipment: AD-836

**GREASE DUCT CLEANING SHAFT**



Applicable duct range: 100mm-800mm  
 Length: 15m (Can be customized)  
 Applicable: Wire brush, nylon brush  
 Applicable: Cleaning kitchen exhaust ducts  
 Suitable equipment: AD-8001

# ACCESSORIES



**Nylon brush**  
Suitable for All tubes



**Copper brush**  
Suitable for: Copper tubes



**Wire brush**  
Suitable for  
Stainless steel tubes,  
cast iron tubes



**Drill brush**  
Suitable for: All material tubes

**Standard Size/diameter**

Inch	1/4	5/16	3/8	7/16	1/2	9/16	5/8
	13/20	11/16	3/4	13/16	7/8	15/16	1
mm	6.5	7.5	9.5	11.1	12.7	14.3	15.9
	16.5	17.6	19.1	20.6	22.1	23.8	25.4

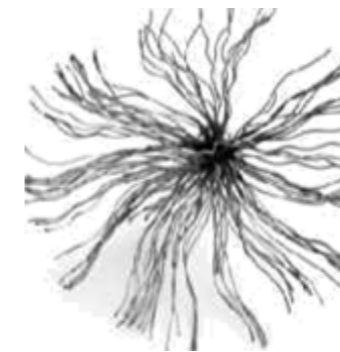
Suitable for a variety of pipeline cleaning equipment and pipeline material



**Steel/ wire brush set**

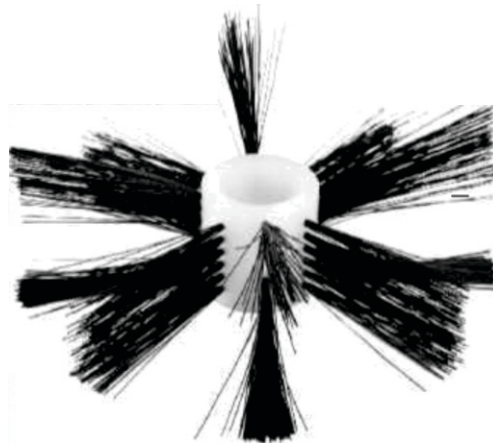
Applicable equipment: AD-212/AD-302/AD-206/AD-306  
Applicable: Stainless steel tube and cast iron tube  
Standard size: Can be customized

mm	35	40	45	50	55	65	70
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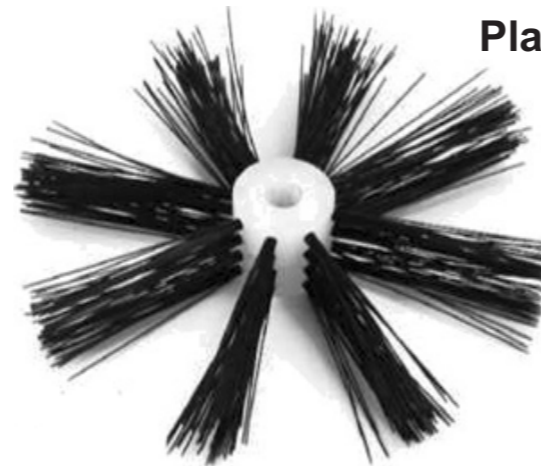
**Spike shape brush**

Applicable equipment: AD-212/AD-302/AD-206/AD-306  
Applicable: Copper tube, stainless steel tube, cast iron tube  
Standard size: Custom model



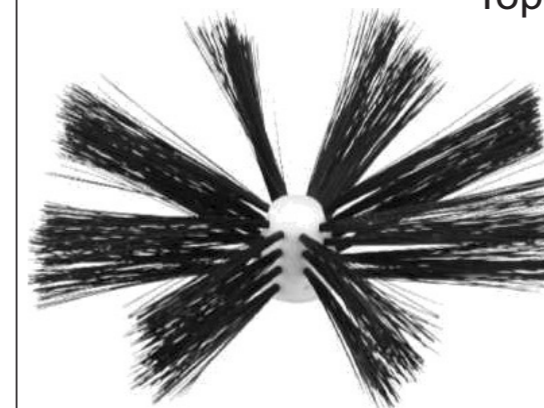
**New Motor Brush**

Applicable equipment:  
AD-976  
Applicable:  
Air duct of central air  
conditioning  
Standard size Can be  
customized 320/400/500/700mm



**Planting brush**

Applicable equipment:  
AD-928  
Applicable:  
Air duct of central air  
conditioning  
Standard size:  
100-600mm



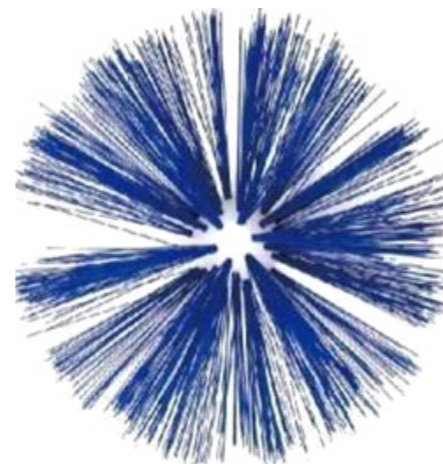
**Tapered brush**

Applicable equipment:  
AD-926, AD-836  
Applicable:  
Air duct of central air  
conditioning  
Standard size:  
100-800mm



**T Brush**

Applicable equipment:  
AD-836  
Applicable:  
Air duct of central air  
conditioning  
Standard size:  
160-800mm



**Large duct brush - Semi-Circle**

Applicable equipment  
AD-926, AD-836  
Applicable:  
Air duct of central air  
conditioning  
Standard size: 100-800mm



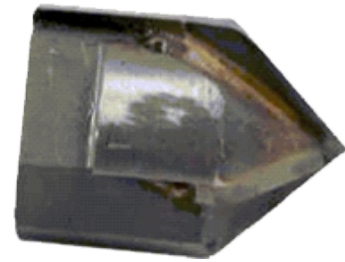
**Quick access to duct brush- Semicircle**

Applicable equipment  
AD-926, AD-836  
Applicable:  
Air duct of central air  
conditioning  
Standard size: 100- 800mm



# ACCESSORIES

**DRILL**



**INTERNAL THREAD DRILL**

Applicable: Thick scale or blocked tubes  
Applicable equipment Tube cleaners

**Standard size/diameter**

	7	8	9	10	11	12
mm	14	17.6	20	23	27	32
	35	36				

New Internal Thread Head: 6.5-48mm



**EXTERNAL THREAD DRILL**

Applicable: Thick scale or blocked tubes  
Applicable equipment Tube cleaners

**Standard size/diameter**

	10	12	14	16	18	20
mm	22	25	27	30	32	35
	40	45	50			



**EXPANSION DRILL**

Applicable: Polishing end rust removal  
Applicable equipment: AD-206 AD-306

**Standard size/diameter:**

mm	40-65	45-90
	70	100



**Wall Plate Bracket**  
Applicable equipment:  
AD-916  
Standard size: 2.6-3.5m



**BALLOON BLOCKING**

Applicable equipment:  
AD-916  
Standard size: 80x80cms



**Quickly Connect Water Pipe**

Suitable equipment:  
matching  
Standard size: 20m



**Foot Switch**

Suitable for equipment:  
matching  
Standard size: 3mm



**Power Cable**

Suitable for equipment:  
matching  
Standard size: 3mm



**Drill Rod**

Applicable for equipment:  
AD-206/AD-306  
Standard size: 1m/2m



**Shaft Main End Connector**

Suitable for equipment Matching  
Standard for Flexible Shaft:  
6/8/10/12/16/22/25/27 mm



**Brush end Joint**

Suitable for equipment Matching  
Standard for Flexible Shaft:  
6/8/10/12/16/22/25/27 mm



**Coupling**

Suitable for equipment Matching  
Standard Size  
33/17mm



**Fuse**

Suitable for equipment Matching  
Power  
10A/15A



**Ferrule**

Suitable for equipment Matching  
Suitable for Flexible Shaft  
10mm/12mm

# CUSTOMIZED PRODUCTS



## KT-916-B

### Large suction negative pressure machine

Application: central air conditioning main air duct cleaning

Voltage	Power	Rotate speed
3B0V/50Hz	6KW	2800r/min
Suction	Size	Unit Weight
8000m <sup>3</sup> /h	840mm*535mm*1440mm	150kg



## Condenser end cover Hanger

Application: special for condenser

Hoisting Load bearing	Length of the diagonal	Length of top support rod
1.5 tons	1m	30cm
Small screw hole diameter	Large screw hole diameter	Weight
10mm	20mm	22kg



## AD-956-D

### Flat pipe cleaning robot

AD-956-D is developed for subway pipelines. This product adopts intelligent robot cleaning and synchronous suction and sweep. A high-definition camera is set in front of the robot to ensure that there are no dead spots in cleaning.



## AD-976-A

### Round Duct cleaning robot

AD-976-A round duct cleaning robot, for round ducts, industrial pipe, chemical pipe and other round pipes, cleaning efficiency is high, can be combined with negative pressure vacuum cleaner, with better effect

### MODEL

### AD-956-D

### AD-976-A

Name	Flat pipe cleaning robot	Circular duct cleaning robot
Voltage	220V-240V/110V; SOH z/60Hz	220V-240V/110V; 50Hz/60Hz
Power	1200w	200w
Crawl speed	3.5m/min	18 m/min
Grade ability	Less than 45°	Less than 30°
Vacuum negative pressure	20000 mpa	/
Vacuum capacity	7L	/
Robot dimensions	400 mm*180mm*70mm	500mm*205mm* 300mm
Cleaning diameter	Wide≥190mm, High≥70 mm	250- 600mm



# CHEMICAL CLEANING PRODUCTS



# CHEMICAL CLEANING AGENT

## ADC-006 Color Scale Remover



### Product Performance

Appearance | Red liquid  
PH (1% aqueous solution) |  $2.0 \pm 1.0$   
Solid content | 1-2%  
Shelf life | 2 years unopened  
Weight | 25 kg/barrel

This product has 100% dissolving ability to the dirt formed by carbonate, sulfate, rust, copper rust, etc. It can inhibit the corrosion of stainless steel pipe, copper pipe, cast iron pipe and other metal pipes. It can quickly react with dirt and can remove 85% dirt within 1 hour.

## ADC-008 Special cleaning agent for copper tube



### Product Performance

Appearance | Orange liquid  
PH (1% aqueous solution) |  $2.0 \pm 1.0$   
Shelf life | 12 years unopened  
Weight | 20 kg/barrel  
Storage methods | Store at room temperature away from light

This product has 100% dissolving ability to the dirt formed by carbonate, sulfate, rust, copper rust, etc. This product is easy to use, no corrosion to the copper tube of heat exchanger, to ensure that the condenser or heat exchanger circulation cleaning will not occur because of corrosion and perforation. There is no harm to human skin for a short time.

## ADC-009 Stainless steel cleaning agent



### Product Performance

Appearance | Pale yellow transparent liquid  
PH (1% aqueous solution) | 0.5-2  
Density (20°C) g/cm<sup>3</sup> | 1.08-1.15  
Shelf life | 2 years unopened  
Weight | 20 kg/barrel

This product adopts metal efficient corrosion inhibitor, multi-functional formula, no corrosion to stainless steel, steel parts, copper surface. It can dissolve and disperse carbonate, sulfate, iron scale, copper scale and so on. This product is a water-based cleaning agent, can be used according to the scale on the surface of stainless steel, mixed with water ratio.

## ADC-010 Non-stop cleaning agent



### Product Performance

Appearance | Colorless liquid  
PH (1% aqueous solution) | 5.7-7.0  
Density(20°C) g/cm<sup>3</sup> | 1.06-1.12  
Shelf life | 2 years unopened  
Weight | 20 kg/barrel

Using this agent do not need to stop the machine, so the machine can work normally. Dosage saving: add 2-5kg agent per ton of water; Strong capacity to dissolve scale and clean thoroughly; Cleaning waste liquid pollution-free, free discharge; Save prefilm, easy to operate.



# CHEMICAL CLEANING AGENT



## ADC-502 Germicidal agent

### Product Performance

Appearance |  
Light yellow/light green liquid  
PH (1% aqueous solution) | 4.0 - 6.0  
Active matter content (%) | 11.5-1.8%  
Shelf life | 2 years unopened  
Weight | 25 kg/barrel

### Product Features

This product acts as a killer by breaking the bonds between bacteria and algae proteins. After contact with microorganisms, it can rapidly and irreversibly inhibit their growth, resulting in the death of microbial cells, so it has a strong inhibition and killing effect on common bacteria, fungi, algae and so on. High killing efficiency, good degradation, with no residue, safe operation, good compatibility, strong stability and low cost.

### The Product Application

When this product is used as a clay stripping agent, add concentration 150-300mg/L; As a fungicide, every 3-7 days to add a dose of 80-100mg/L. Can be used with chlorine and other oxidizing fungicides at the same time, can not be used in the cooling water system containing sulfide. The compound effect with quaternary ammonium salt is better. When used as an industrial sterilization and mildew inhibitor, the general concentration is 0.05-0.4%,



## ADC-409 Slime Stripping Agent

### Product Performance

Appearance |  
Colorless/yellowish liquid  
PH (1% aqueous solution) | 6.0-8.0  
Active matter content (%) | 30.0%  
Shelf life | 2 years unopened  
Weight | 125 kg/barrel

### Product Features

This product has a broad spectrum, high efficiency sterilization, algae ability and strong muck stripping function and cleaning function. It has good dispersibility and permeability, strong penetration, low toxicity and quick action, and has good decomposition and stripping effect on muck composed of muck, oily mud, bacteria and algae secretions and bacteria and algae. At the same time, it also has the function of softening and cleaning the old scale on the metal surface, inhibiting corrosion and improving the heat transfer rate of equipment. It is non-corrosive to metal, rubber, plastic and so on. It is soluble in water and not affected by the hardness of water.

### The Product Application

When this product is used as a mud stripping agent, it is calculated according to the water retention. Generally the dosage is 100-200mg/L. If there are too many algae, the dosage can be appropriately increased to obtain rapid killing and stripping effect. After adding the product, when there is dirt in the circulating water due to stripping, the floating matter should be removed in time to avoid secondary deposition. When used as a bactericidal alginate, the dosage is generally 50-100mg/L.

# CHEMICAL CLEANING AGENT

## ADC-003 Fin Cleaner



### Product Performance

Appearance | Colorless liquid  
PH (1% aqueous solution) |  $\geq 12$   
Density (20°C) g/cm<sup>3</sup> |  $1.1 \pm 0.5$   
Shelf life | 2 years unopened  
Weight | 20kg/barrel

This product has a special cleaning air conditioning fins, central air conditioning fan coil accumulated dust, dirt class oil oxide, smooth air circulation, improve the efficiency of heat exchange, at the same time to accumulate bacteria, toxins also have killing effect, after cleaning to restore the original metal luster. Used for cleaning air conditioning fins and central air conditioning fan coils.

## ADC-401 Corrosion and Scale Inhibitor



### Product Performance

Appearance | Amber liquid  
PH (1% aqueous solution) |  $2.5 \pm 1.0$   
Density (20°C) g/cm<sup>3</sup>  $\geq 1.1$ g/cm<sup>3</sup>  
Shelf life | 2 years unopened  
Weight | 25kg/barrel

This product is mainly used for scale and corrosion inhibition in circulating cooling water system. It is composed of organic phosphonic acid, polycarboxylic acid, sulfonate copolymer,azole and so on. It has good chelating and dispersing effect on calcium carbonate and calcium phosphate in water, and has good corrosion inhibition effect on carbon steel and copper. The product has strong scale inhibition and good corrosion inhibition effect, and can operate under high concentration ratio.

## ADC-707 High Efficiency Prefilm Agent



### Product Performance

Appearance | Colorless to yellow transparent liquid  
Solid content |  $\geq 20.0\%$   
Density (20°C) g/cm<sup>3</sup> |  $\geq 1.1$ g/cm<sup>3</sup>  
Shelf life | 2 years unopened  
Weight | 25kg/barrel

This product is mainly used for pre-film of heat exchange equipment and pipeline of circulating cooling water system after start-up of new device or system overhaul, so as to form a protective film on metal surface and prevent corrosion of carbon steel, copper alloy, stainless steel and other materials during operation. This product has the characteristics of fast film forming, fine and uniform film quality, good chemical stability and low corrosion rate.

## ADC-01501 Detergent for heavy scale of Aluminum



### Product Performance

Appearance | Layered liquid  
Relative density | 1.16to1.22  
Shelf life | 2 years unopened  
Weight | 20kg/barrel

This product is strong in carbon deposition and has strong permeability and loose effect on carbon deposition and heavy scale. The carbon deposit and heavy scale on the parts can be easily removed after immersion. This product has no danger of burning, can be used indoors and outdoors, safe and reliable. It has no corrosive effect on all metals. Use this product without heating and auxiliary equipment, and can be used repeatedly, very economical.



**ADC-004**  
Solid Cleaning Agent

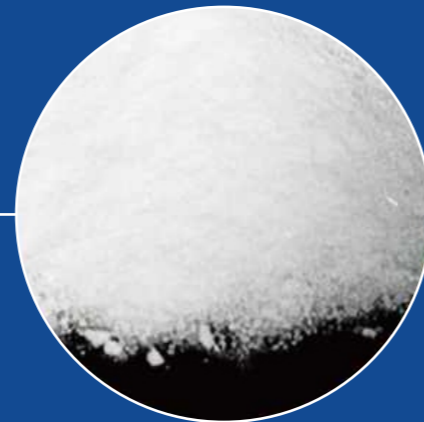


**Product Performance**

Appearance | Colorless solid powder  
Shelf life | 2 years unopened  
weight 125 kg/barrel

The agent has excellent corrosion inhibition performance, good hydrogen brittleness resistance, small ammonia embrittlement coefficient, quick and effective scale removal, and can ensure boiler and use safety. This agent has been proved to be harmless to human body by several pot stomach and anatomical experiments on small animals, and will not produce acid fog and harmful gas in the process of descaling.

**ADC-020**  
Neutral Solid Cleaning Agent



**Product Performance**

Appearance | Colorless and odorless  
solid powder  
PH (1% aqueous solution) | 5.0-6.5  
Shelf life | 2 years unopened  
Weight | 25kg/barrel

Suitable for central air conditioning condenser, heat exchanger, boiler water system, heat pump water system, petroleum, chemical production equipment chemical cleaning. Suitable for civil and food industry equipment cleaning, especially good at new production device before starting cleaning. Suitable for chemical cleaning and descaling of all kinds of scale and rust.

**ADC-002**  
Cleaner



**Product Performance**

Appearance | Colorless to light green  
liquid  
Shelf life | 2 years unopened  
Weight 1500ml per barrel

This product is suitable for central air conditioning duct clothing disinfection, hospital routine disinfection, swimming pool disinfection, tableware disinfection, etc. It is a second smell sea because of the main effective ingredients of disinfectant, effective smell content 2.0% -2.5%. This product can kill pathogenic fungi, intestinal pathogenic bacteria and pyogenic cocci. This product has no stimulation, no corrosion, no residue, no pollution, no corrosion to stainless steel, not dangerous goods.

**ADC-01502**  
The Oil Net



**Product Performance**

Appearance | Colorless liquid  
Shelf life | 2 years unopened  
Weight | 25 kg/barrel

This product can react with all kinds of semi-drying oil and drying oil, quickly peel off all kinds of oil and oil carbon. This product can be diluted to use, stainless steel, iron, glass, enamel and other products are not corrosive. This product is an alkaline product, please pay attention to protection when using; This product should not be used on the surface of copper, aluminum, zinc and other materials, otherwise corrosion will occur.



## KT-HX130

### SIMPLE CIRCULATING PUMP SET

KT-HX130 is mainly used for central air conditioning condenser cleaning, corrosion resistance, wear resistance, leakage proof. This machine adopts gb motor, high pressure water delivery, larger flow. The product is foldable and easy to carry.



## KT-HX245

### SMALL CIRCULATING CLEANING PUMP SET

KT-HX245 is mainly used for central air conditioning condenser cleaning, water flow in the pipeline between the condenser and small circulating cleaning pump group continuously circulating cleaning. This product can be over acid and alkali, can add reagent cleaning, cold and hot, low temperature weather heating cleaning effect is better.



## KT-HX750

### CHEMICAL CLEANING PUMP SET

KT-HX750 is mainly used for central air conditioning condenser cleaning, with circulation cleaning function, this equipment is universal cold and hot, when in low temperature weather, heating to the appropriate temperature cleaning machine cleaning effect is better, also can be over acid and alkali.

Model	KT-HX130	KT-HX245	KT-HX750
Name	Simple circulating pump set	Small circulating cleaning pump set	Chemical cleaning pump set
Material feature	Acid and alkali resistant	Acid and alkali resistant	Acid and alkali resistant
Voltage	220V-240V/110V; 50Hz/60Hz	220V-240V/110V; 50Hz/60Hz	220V-240V/110V; 50Hz/60Hz
Power	750W	1100W	2200W
Heat power	/	3000W	9000W
Flow	4m <sup>3</sup> /h	7m <sup>3</sup> /h	10m <sup>3</sup> /h
Spray range	11m	16m	10m
Solution tank volume	1100mm*590mm*100mm	900mm*610mm*945mm	1000mm*750mm*1000mm
Solution tank material	Thickening PP material	PR Environmental protection material	Thickening PP material

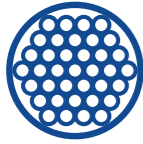


## Scope of engineering cleaning services



### Central air conditioning cleaning engineering services

Including central air conditioning ventilation tube cleaning, central air conditioning cooling water, frozen water cleaning, central air conditioning condenser, evaporator cleaning, central air conditioning cooling tower cleaning, air processing unit (host) cleaning, fan coil cleaning and a series of cleaning engineering services.



### Condenser cleaning engineering services

Including condenser tube cleaning, leak detection, tube change



### Heat exchanger cleaning engineering services

Including plate heat exchanger cleaning, shell and tube heat exchanger cleaning, surface heat exchanger cleaning, regenerative heat exchanger cleaning, spray heat exchanger cleaning and other cleaning projects



### Air preheater cleaning engineering services

Including plate air preheater cleaning, rotary air preheater cleaning, tube air preheater cleaning and other large boiler pipe internal dirt treatment



### Kitchen exhaust cleaning engineering services.

Including kitchen duct cleaning, kitchen hood, oil baffle cleaning, fume fan wheel cleaning, fume pipe cleaning, fume fan cleaning





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