



HUITANG FILTER

Nanjing Huitang Machinery and Equipment Technology Co.,Ltd.

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南京汇唐机械设备科技有限公司
Nanjing Huitang Machinery and Equipment Technology Co.,Ltd.



Company Introduction

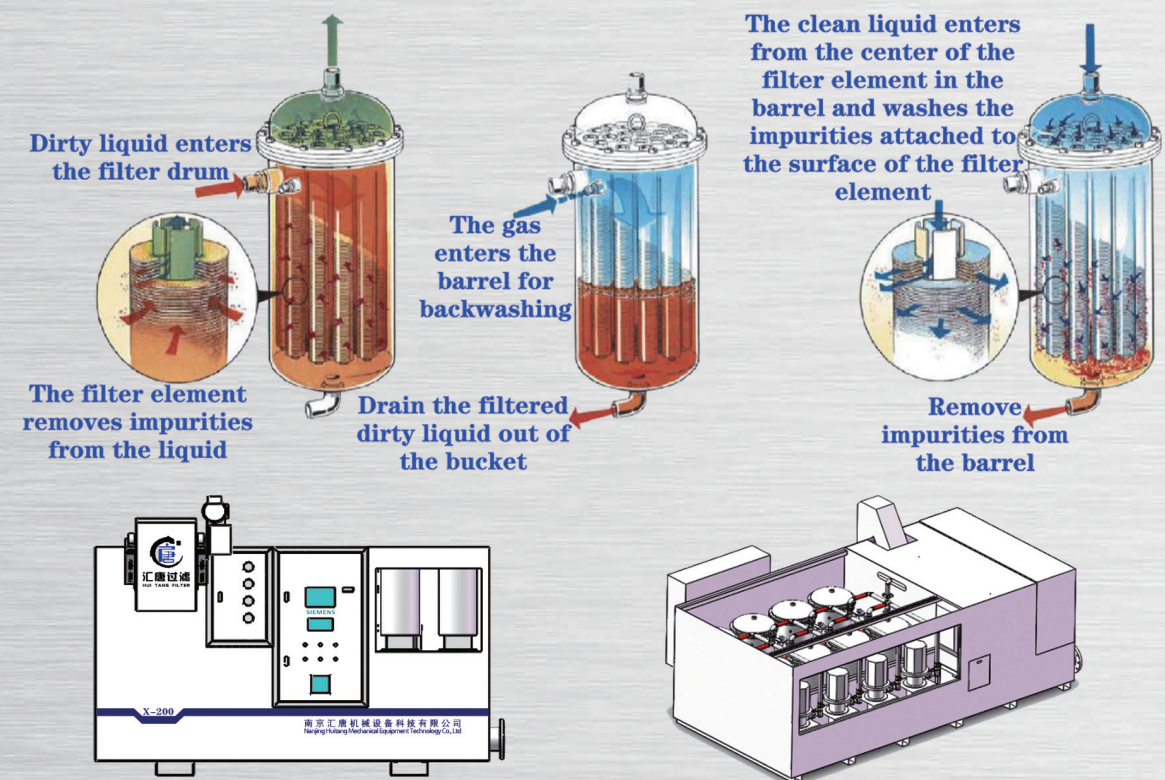
Nanjing Huitang Machinery Equipment Technology Co., Ltd. was established in 2011. It is a professional enterprise that integrates research and development, design, production, manufacturing, sheet metal, spraying, sales, and service. The company is located in Gaochun, known as the "Holy Land of Jiangnan" and "International Slow City" at the southern end of Nanjing City, Jiangsu Province. Its own property covers an area of 10000m². The company has ISO9001 certification, ISO14001 certification, CE certification, fixed pollution discharge permit, OHSAS18001 certification/energy management certification, and possesses various professional CNC large-scale laser cutting machines, fully automatic CNC bending machines, CNC punching machines, CNC shearing machines, as well as fully automatic welding machine operators and large-scale CNC spraying assembly lines.

Since its establishment, the company has been dedicated to the industrial filtration industry and has gradually improved its filtration and related products, including hard alloy, high-speed steel, gear grinding machines, paper belt filters, CNC processing and other products, as well as oil mist machines, cooling systems, integrated pipeline auxiliary equipment and services.

We will continue to be committed to the research and innovation of filtration equipment. We adhere to the concept of "conduct the world and win thousands of miles with quality", constantly developing efficient and low consumption environmental protection products to meet the high standard requirements of various enterprises.

At present, the company's products are exported to more than 20 countries, including the United States, Germany, Russia, South Korea, India, Thailand, Singapore, Malaysia, etc. And provide supporting services for many well-known grinding machine manufacturers both domestically and internationally.

Huitang filter function and characteristics



Main functions:

- 1, Huitang filter can be customized integrated filtration treatment of impurities in the oil, improve the grinding oil service life, reduce the frequency of refueling
- 2, Huitang high precision filter powder ash, grinding wheel ash and other kinds of very small particles, improve the grinding machine processing accuracy (up to 1um), and ensure the efficient recycling of cutting fluid
- 3, Huitang filter equipment equipped with constant temperature system, to ensure the oil temperature stability, to ensure the workpiece processing repeated positioning accuracy

Main features:

- Ultra-long filter element service life, low operating cost, high efficiency
- Reduce equipment maintenance costs, improve the grinding machine efficiency
- Automatic cleaning and slagging, maximize the recovery of dirt powder and recycling is convenient
- Prolong the service life of the machine, reduce the product processing cycle
- Improve workshop working environment, reduce air pollution, and ensure safety
- PLC automatic control, the whole process without manual intervention
- Cooling automatic control system, to ensure that the oil temperature is normal, high precision workpiece

Enterprise qualification

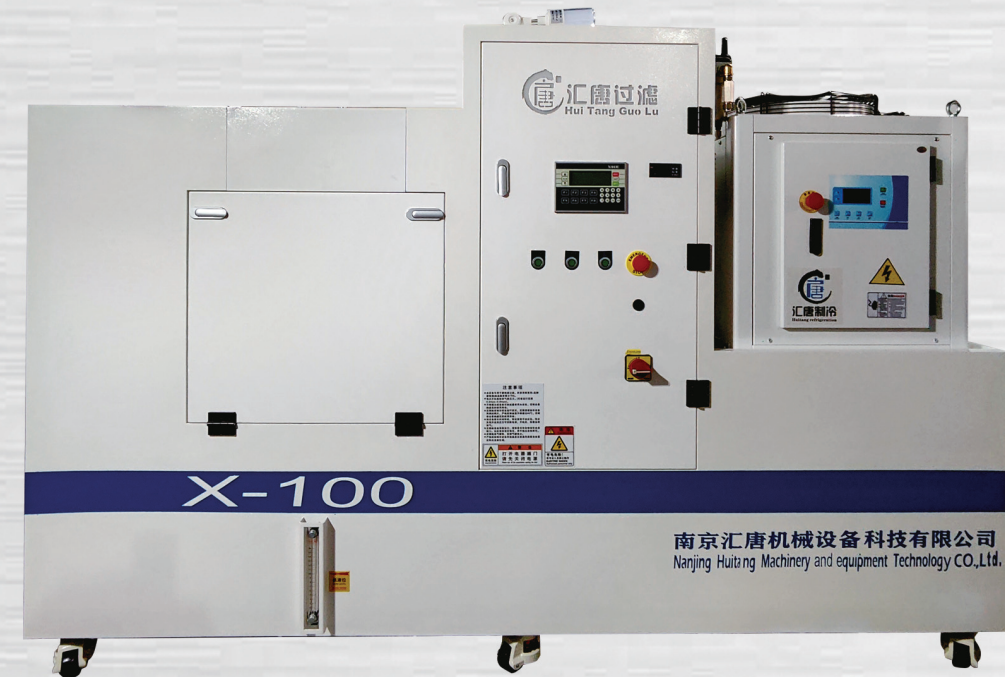


Special grinding machine filtering equipment for carbide processing (Filter powder tungsten steel ash and grinding wheel ash)

X-100L

(It can be used by 1-2 sets of equipment)

Filtration Accuracy:	1-2um
Filtration Flow:	120L/min
Construction Size:	1.6x1.1x1.4m
Total Capacity:	600L
Compressed Air:	0.6-0.8Mpa
Supply Voltage:	380V Standard
Filtration Power:	2.2KW



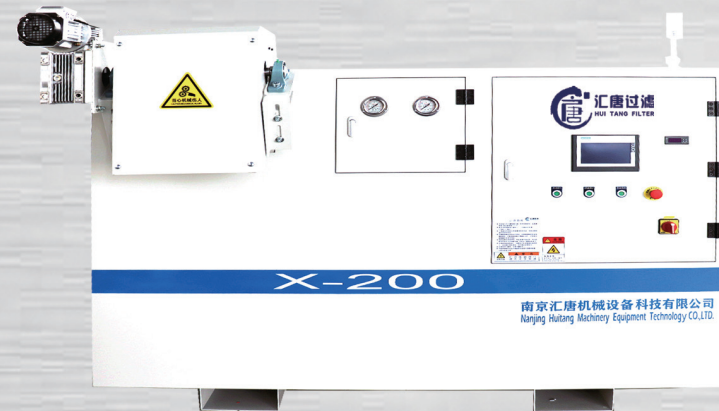
Special grinding machine filtering equipment for carbide processing

(Filter powder tungsten steel ash and grinding wheel ash)

X-200

(It can be used by 2-3 sets of equipment)

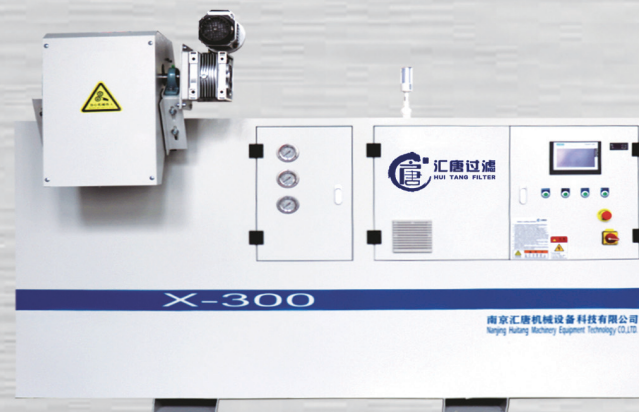
Filtration Accuracy:	1-2um
Filtration Flow:	240L/min
Construction Size:	1.8x1.4x1.8m
Total Capacity:	1000L
Compressed Air:	0.6-0.8Mpa
Supply Voltage:	380V Standard
Filtration Power:	3KW



X-300

(It can be used by 3-4 sets of equipment)

Filtration Accuracy:	1-2um
Filtration Flow:	360L/min
Construction Size:	2.3x1.7x1.8m
Total Capacity:	1500L
Compressed Air:	0.6-0.8Mpa
Supply Voltage:	380V Standard
Filtration Power:	4KW



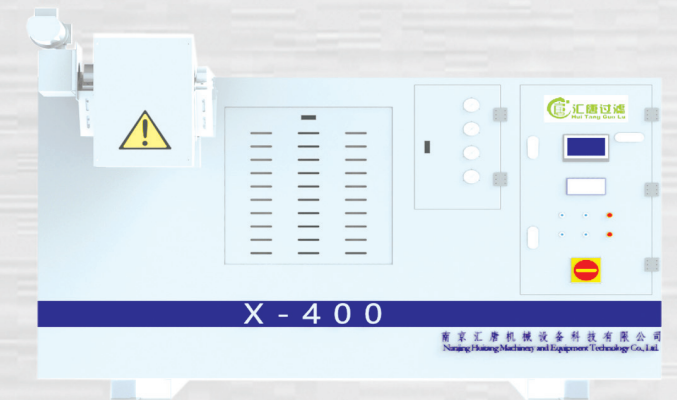
Special grinding machine filtering equipment for carbide processing

(Filter powder tungsten steel ash and grinding wheel ash)

X-400

(It can be used by 4-6 sets of equipment)

Filtration Accuracy:	1-2um
Filtration Flow:	480L/min
Construction Size:	2.7x1.7x1.8m
Total Capacity:	1600L
Compressed Air:	0.6-0.8Mpa
Supply Voltage:	380V Standard
Filtration Power:	6KW



X-600

(It can be used by 6-8 sets of equipment)

Filtration Accuracy:	1-2um
Filtration Flow:	720L/min
Construction Size:	3.5x1.85x1.8m
Total Capacity:	1800L
Compressed Air:	0.6-0.8Mpa
Supply Voltage:	380V Standard
Filtration Power:	8KW



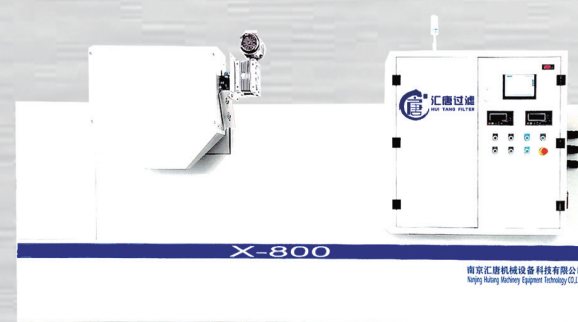
Special grinding machine filtering equipment for carbide processing

(Filter powder tungsten steel ash and grinding wheel ash)

X-800

(It can be used by 8-10 sets of equipment)

Filtration Accuracy:	1-2um
Filtration Flow:	960L/min
Construction Size:	4.0x2.35x1.8m
Total Capacity:	3000L
Compressed Air:	0.6-0.8Mpa
Supply Voltage:	380V Standard
Filtration Power:	12KW



Special grinding machine filtering equipment for carbide processing

(Filter powder tungsten steel ash and grinding wheel ash)

X-1000

(It can be used by 10-12 sets of equipment)

Filtration Accuracy:	1-2um
Filtration Flow:	1200L/min
Construction Size:	4.5x2.35x1.8m
Total Capacity:	3000L
Compressed Air:	0.6-0.8Mpa
Supply Voltage:	380V Standard
Filtration Power:	15KW



X-900

(It can be used by 9-12 sets of equipment)

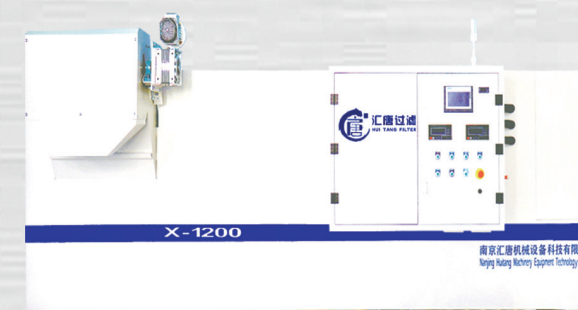
Filtration Accuracy:	1-2um
Filtration Flow:	1080L/min
Construction Size:	4.0x2.35x1.8m
Total Capacity:	3000L
Compressed Air:	0.6-0.8Mpa
Supply Voltage:	380V Standard
Filtration Power:	12KW



X-1200

(It can be used by 12-14 sets of equipment)

Filtration Accuracy:	1-2um
Filtration Flow:	1440L/min
Construction Size:	4.5x2.35x1.8m
Total Capacity:	3000L
Compressed Air:	0.6-0.8Mpa
Supply Voltage:	380V Standard
Filtration Power:	16KW



High speed steel processing special grinding machine filtering equipment
(Filter powder high-speed steel ash and grinding wheel ash)

G-1000

(It can be used by 1-2 sets of equipment)
Filtration Accuracy: 1-5um
Filtration Flow: 120L/min
Construction Size: 2.3x1.25x1.8m
Total Capacity: 1000L
Compressed Air: 0.6-0.8Mpa
Supply Voltage: 380V Standard
Filtration Power: 3KW



G-2000

(It can be used by 2-3 sets of equipment)
Filtration Accuracy: 1-5um
Filtration Flow: 240L/min
Construction Size: 2.5x1.5x1.8m
Total Capacity: 1200L
Compressed Air: 0.6-0.8Mpa
Supply Voltage: 380V Standard
Filtration Power: 4KW



High speed steel processing special grinding machine filtering equipment
(Filter powder high-speed steel ash and grinding wheel ash)

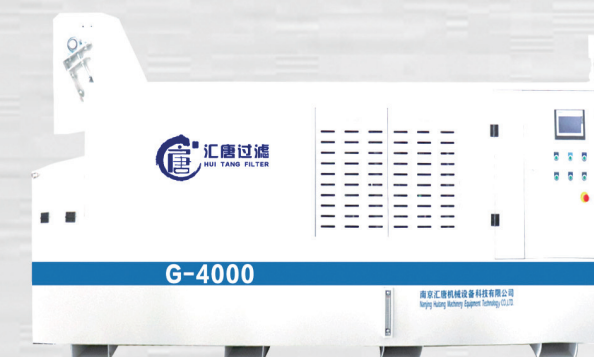
G-3000

(It can be used by 3-4 sets of equipment)
Filtration Accuracy: 1-5um
Filtration Flow: 360L/min
Construction Size: 3.2x1.8x1.8m
Total Capacity: 2000L
Compressed Air: 0.6-0.8Mpa
Supply Voltage: 380V Standard
Filtration Power: 5.5KW



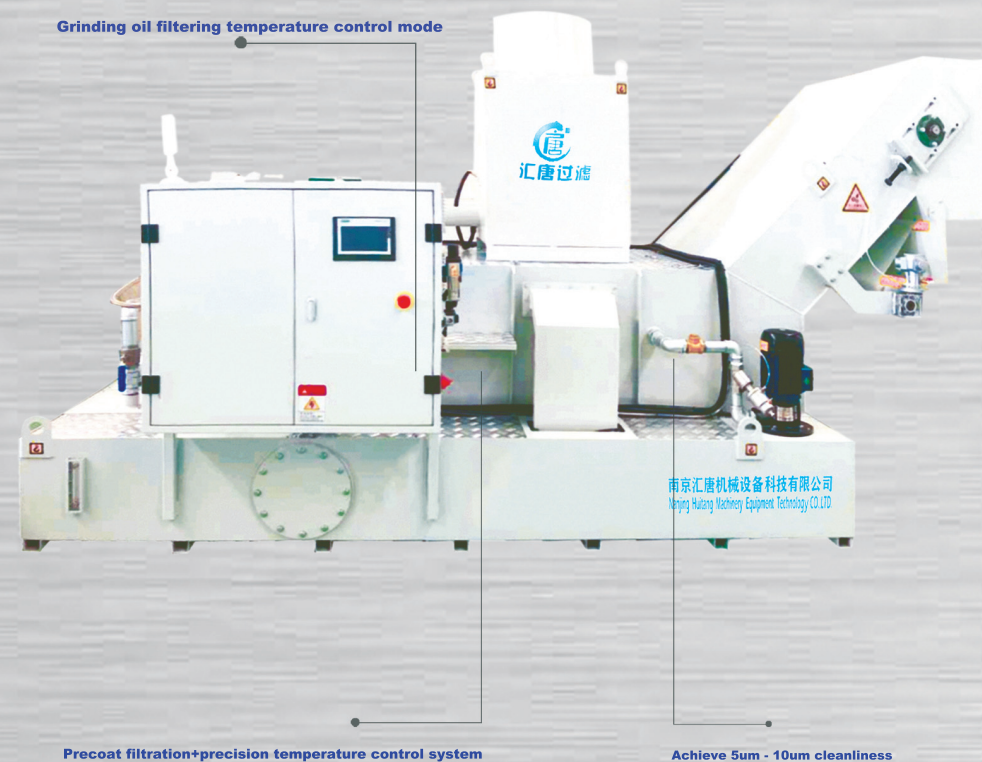
G-4000

(It can be used by 6-8 sets of equipment)
Filtration Accuracy: 1-5um
Filtration Flow: 480L/min
Construction Size: 3.9x1.8x1.8m
Total Capacity: 2500L
Compressed Air: 0.6-0.8Mpa
Supply Voltage: 380V Standard
Filtration Power: 8KW



Gear grinder filtration system

The precision grinding of gears has high requirements on the cleanliness and temperature fluctuation of grinding oil. The filtering accuracy of grinding oil directly affects the smoothness of the gear to be machined and the gear transmission noise, while the control accuracy of grinding oil temperature will affect the dimensional accuracy of the workpiece. "Circulating belt filtering+precision temperature control system" is the preferred grinding oil filtering temperature control mode for high-precision gear grinding, which can achieve a cleanliness of 5um - 10um.



Main configuration

The filter element is made of TWE special filter paper which imported from Germany, with large flow and high filtering accuracy. There are also economical PE filter elements for selection.

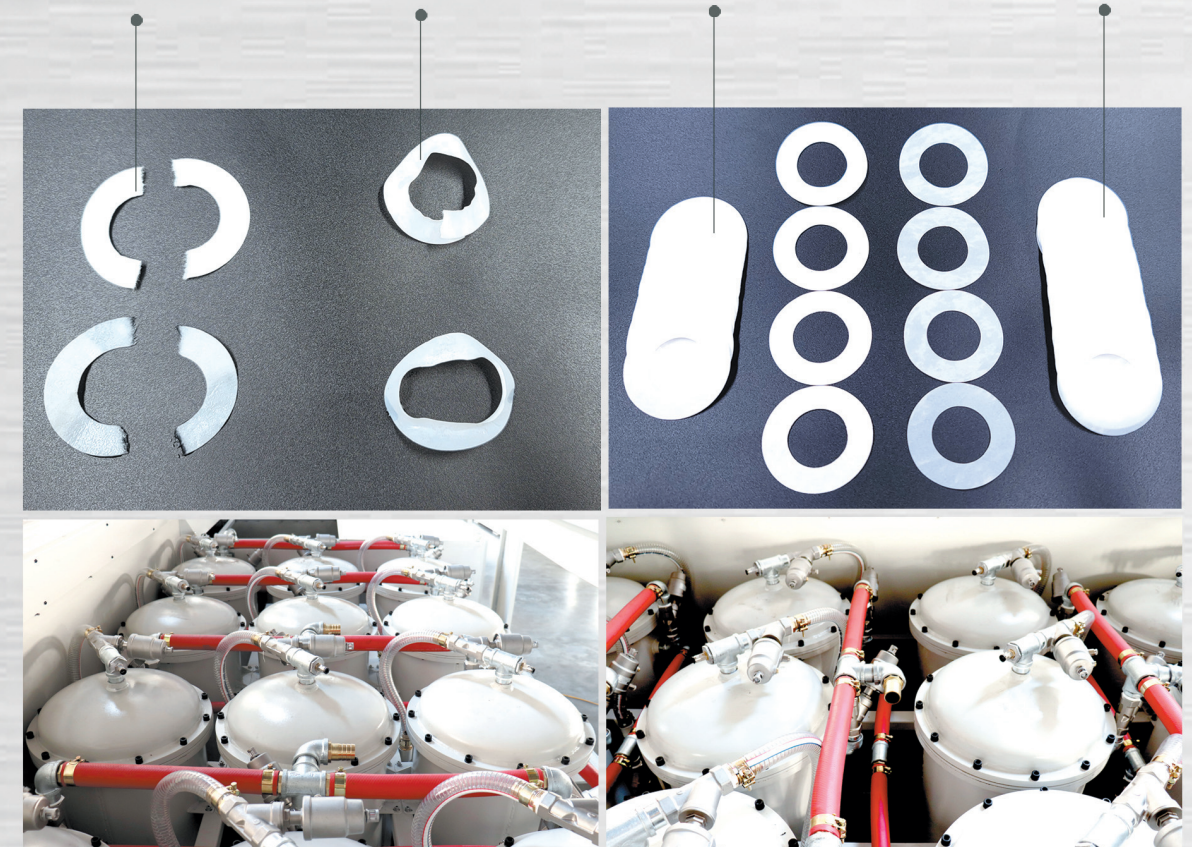


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EFFECT AFTER TEARING

BLISTER OF HUITANG
FILTER PAPER
EFFECT AFTER TEARING

OTHER FILTER PAPER
THICKNESS
COLOR AND MATERIAL

THICKNESS OF HUI-
TANG FILTER PAPER
COLOR AND MATERIAL



Main configuration

Configuration partners of Huitang Technology adopt products from International brands such as SIEMENS, Schneider, GRUNDFOS, ABB, etc. Improve production efficiency while optimizing the enterprise budget. Comprehensive services cover the entire asset life cycle of power distribution equipment, providing stable and durable equip-



Options

Oil Cooler

With the continuous progress of manufacturing technology, many machines, such as machining centers, lathes, milling machines, grinders, etc., generate a lot of heat due to the high-speed rotation of the spindle during the processing. The parts that usually need to be cooled, such as the spindle, cutting fluid, lubricating oil, hydraulic oil, electric control cabinet, etc., are cooled by the oil cooler to ensure the safe and stable operation of the machine.



Oil Mist Collector

Oil mist machine (oil mist separator) is mainly used to solve the environmental problems such as oil mist, water mist or dust in machining process. The purpose of purifying the air and protecting the health of operators is achieved by absorbing the oil mist in the processing cavity. As the oil mist generated by processing machinery can cause lung, liver, throat cancer and other diseases after being inhaled into the human body for a long time, and may induce chronic eye diseases, skin oil rash, etc.



Options

Frequency Conversion Energy-saving & Efficient Oil Supply System

With the continuous development and improvement of social economy, users put forward higher requirements for the operation of the oil supply system. One of the important criteria to measure the quality of oil supply is whether the oil supply pressure is constant. For example, when the equipment is started, if the oil supply pressure is insufficient or there is no oil supply, the grinder will not operate safely, which will cause great potential safety hazards. Huitang Technology adopts simple and practical PLC and frequency conversion speed regulation technology to optimize the grinder oil supply system, so as to provide constant pressure oil supply and ensure high efficiency and energy conservation.



Turn off automatic back washing function

The automatic underwear filtration system is also known as a traditional backwash system. Long term shutdown during equipment operation can lead to the formation of impurities in pipelines and equipment filter barrels. The shutdown function of the backwash function can be automatically executed for a period of time after the liquid and impurity cleaning equipment in the filtering bucket and pipeline is turned off.

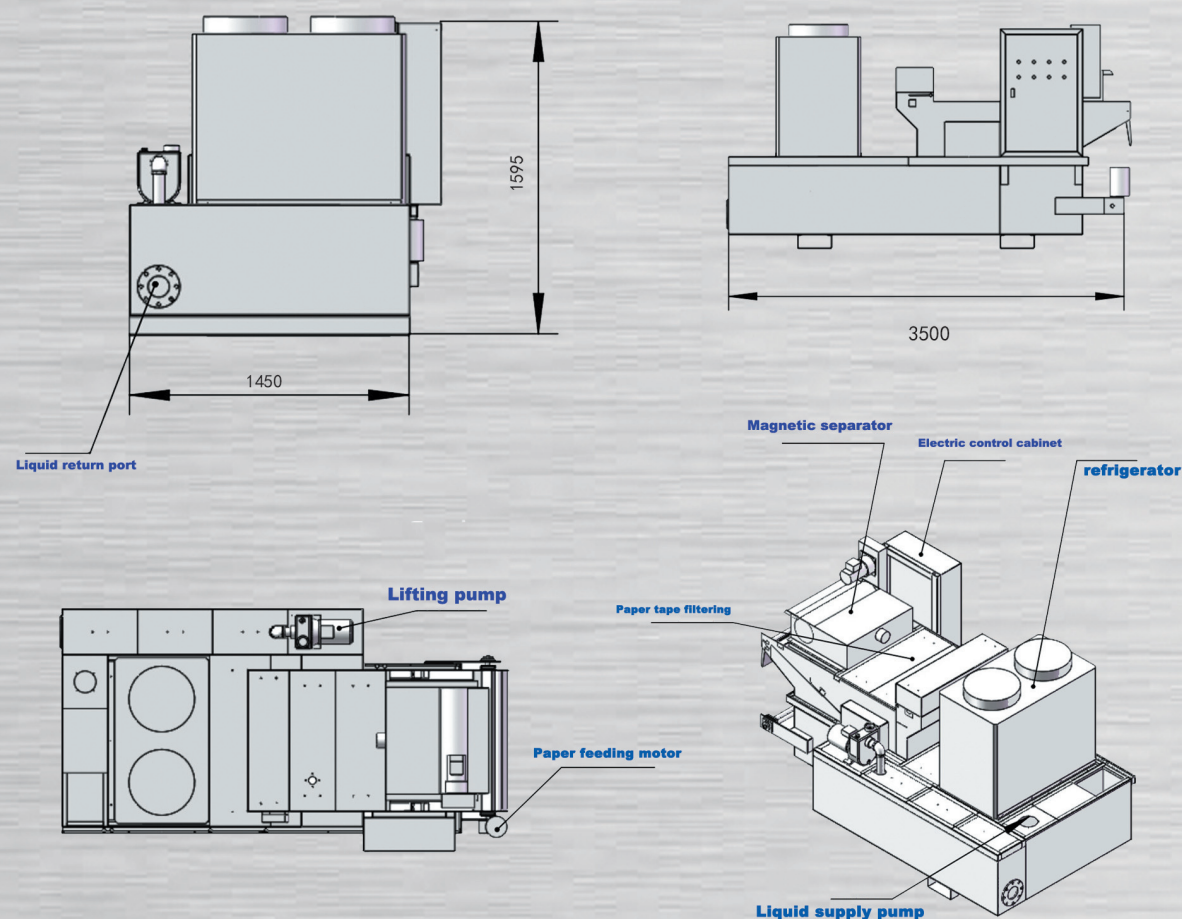


Use site



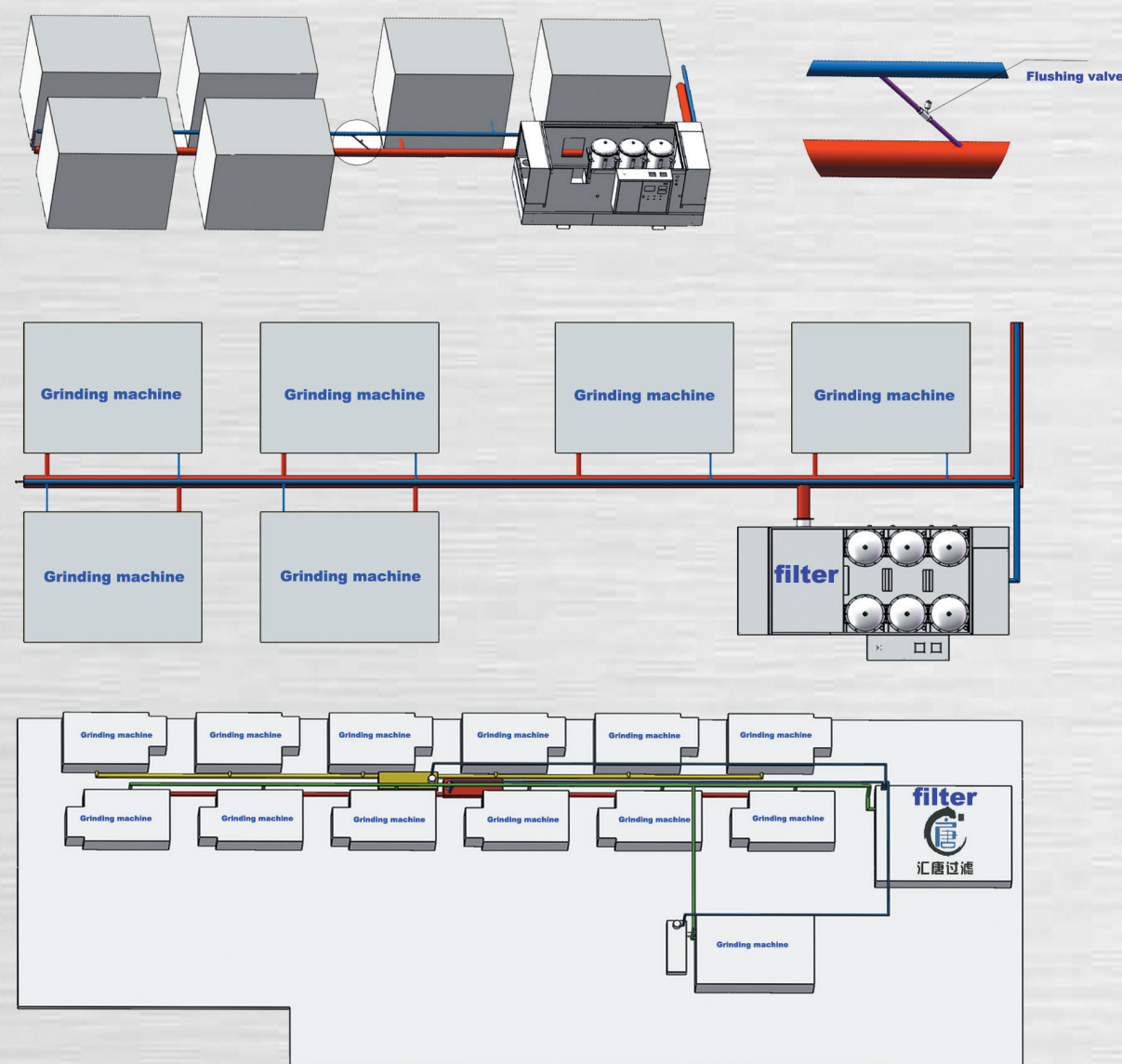
Equipment Customization Scheme

This equipment is mainly composed of lifting pump, magnetic separator, paper tape filter, paper feeding motor, oil cooler and liquid supply pump. Its main function is to filter solid impurities in liquid, and the filtering accuracy can reach 15-20um. The filtering process is that the dirty liquid enters the dirty liquid tank of the equipment from the liquid return port, and is lifted to the magnetic separator by the lifting pump for pre-filtration. After most of the metal impurities are removed, it enters the paper tape for high precision filtration to remove the solid impurities in the dirty liquid. The filtered clean liquid enters the equipment clean liquid tank and is cooled by the oil cooler before being supplied to the machine tool by the liquid supply pump. The used filter paper with solid impurities will be rolled out by the paper feeding motor at regular intervals. In addition, the equipment is equipped with liquid level alarm and paper shortage alarm to remind customers to increase or decrease the liquid level and replace the filter paper in time.



Pipeline & Factory Integrated Customization Project

In customized scheme, blue pipeline is the oil supply pipeline, and red pipeline is the oil return pipeline. Connecting pipe between oil supply pipeline and oil return pipeline is the flushing pipeline. There is a flushing valve in the middle for flushing the oil return pipeline when necessary. The flushing valve can be a manual valve or an automatic valve. The manual valve is a ball valve and the automatic valve is a pneumatic angle seat valve. The automatic valve shall be used together with the control circuit, which includes time relay, solenoid valve, button switch, etc. In this scheme, one flushing valve is set every 6-8m.



One drag multiple grinders