

Company introduction

公司介绍

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Jiangsu Weize Intelligent Technology Co., Ltd

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PART 01

关于威泽

About VEZE

Jiangsu Weize Intelligent Technology Co., Ltd.

VEZE is a professional company dedicated to the mechanical processing and purification filtration industry, integrating product research and development, manufacturing, and sales. The company covers an area of 50 acres and has a standard steel structure factory building of over 28000 square meters, suitable for the manufacturing of various large-scale filtration systems.

Since its establishment in 1999, after nearly 20 years of unremitting efforts, the company has gradually developed a comprehensive filtration product series. The consumables free filtration series products that embody high efficiency and environmental protection are a huge contribution of Weize Company to the industry!

The company's existing products and application areas: The grinding and processing purification filtration product series is widely used for gear grinding filtration, casting grinding filtration, hard alloy tool grinding filtration, and other types of mechanical processing grinding filtration. The cutting and filtering product series is widely used in fields such as automotive engine manufacturing, aviation engine manufacturing, and 3C manufacturing.



We will continue to devote ourselves to the research and development of non-consumable filtration equipment. We think it is always the direction of our efforts to develop environmentally energy-saving and energy-efficient products.

我们将继续致力于无耗材过滤设备的研发。我们认为，开发环保节能产品始终是我们努力的方向。

PART 02

PART 02

威泽历史

History

Development History



1999

Company is formed



2005

Expand the factory



2012

Current production base



2023

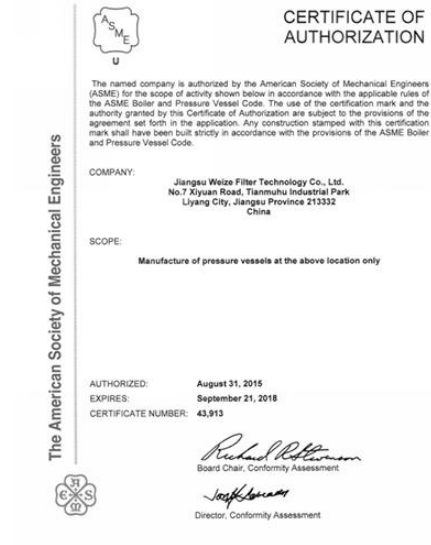
Establish a German subsidiary

Development History



1999

Water filtration system



2003

Obtained ASME pressure vessel certification



2008

VEZE produced a rainwater collection system for the World Trade Center in the United States

美国世贸大楼过滤系统由VEZE制作

Development History



VEZE sea water desalination systems are widely used in ships

VEZE海水淡化系统用于军舰

Food grade water treatment system

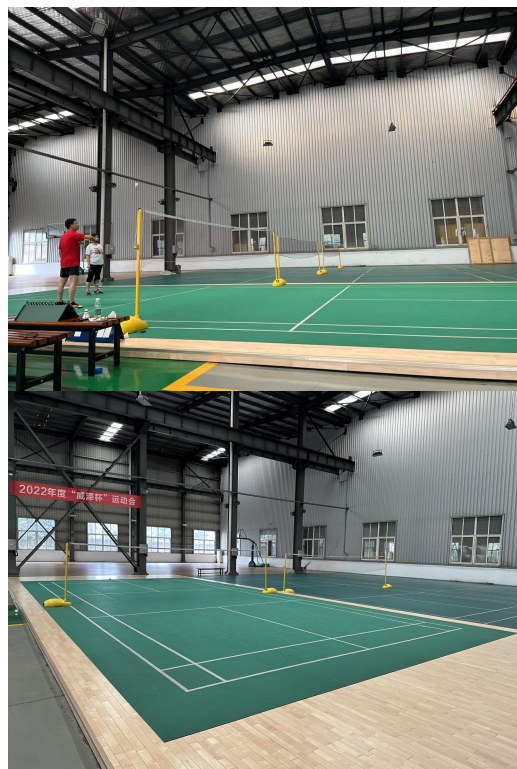
食品级水处理系统

Some of the representative customers are 3M Dow Chemical, GE Water Treatment

水处理客户



Pictures of our current factory



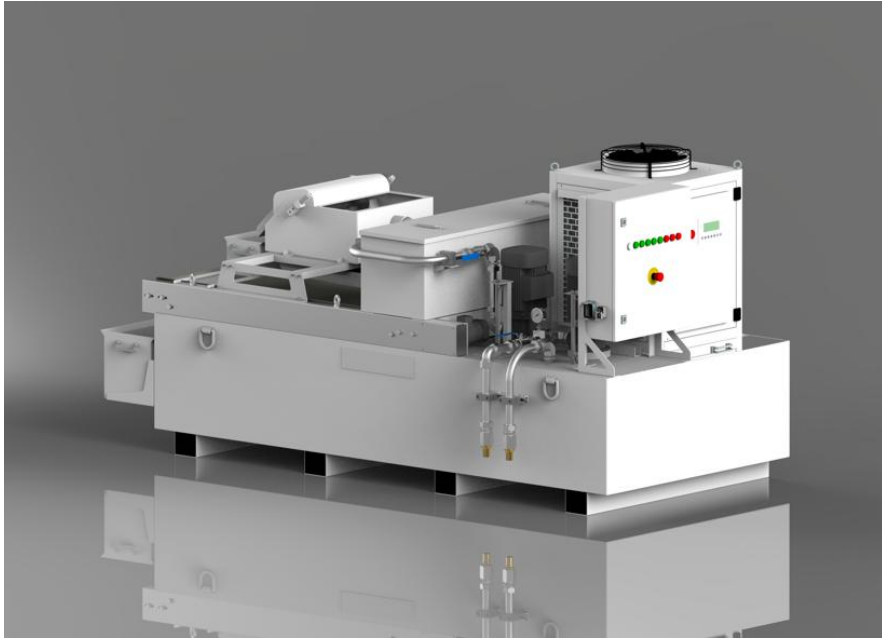
Gym
运动场所



Assembly shop
装配车间



Sheet metal workshop
钣金加工车间



In 2008, VEZE began to research and develop machine tool filtration products.

2008年VEZE开始研发机床过滤产品



Tool Grinding Filtration System

五轴工具磨床过滤系统



After that, VEZE continuously expanded the application fields of its products and started to produce vacuum filtration systems, gear grinder filtration systems, casting grinding filtration systems and so on.

之后VEZE不断拓展产品应用领域，开始生产真空过滤系统、齿轮磨床过滤系统、铸件磨削过滤系统等

PART 03

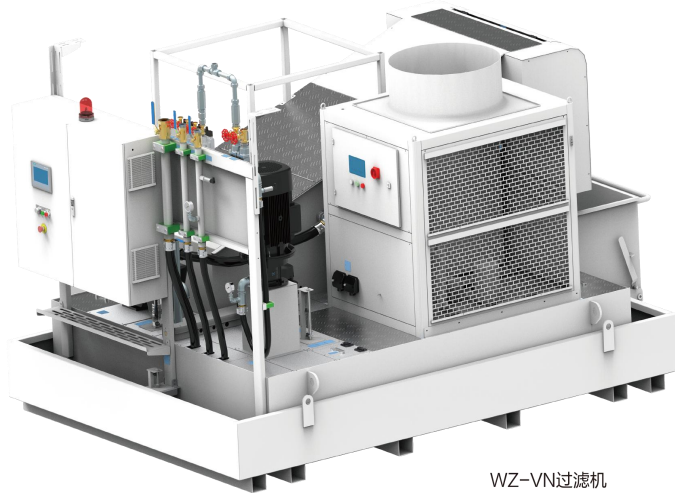
PART 03

威泽产品

Products



Gear Grinding Filtration System



WZ-VN过滤机
WZ-VN Filtering Machine

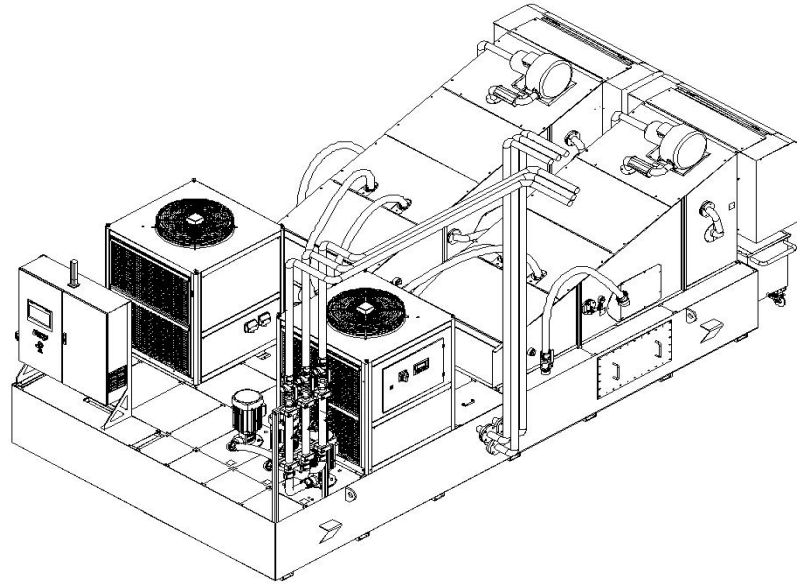


WZ-VN filtration system has been widely used for all kinds of grinding occasions. especially mainly used for the CBN grinding wheel grinding to the forming gears.

WZ-VN过滤系统广泛应用于各类磨削场合，特别是CBN砂轮对成型齿轮的磨削是此过滤机的主要应用领域之一。



Principle of Gear Grinding Filtration System

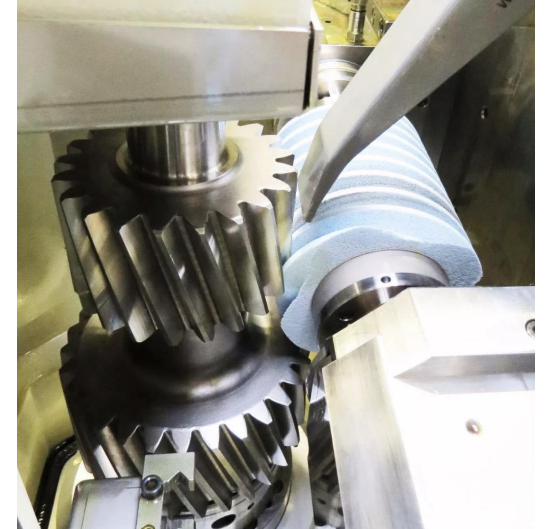


Many products are customized non-standardly. Non-standard designs are carried out according to the flow rate, pressure and other requirements of customers.

很多产品都是非标订制，根据客户需求的流量、压力等进行非标设计。

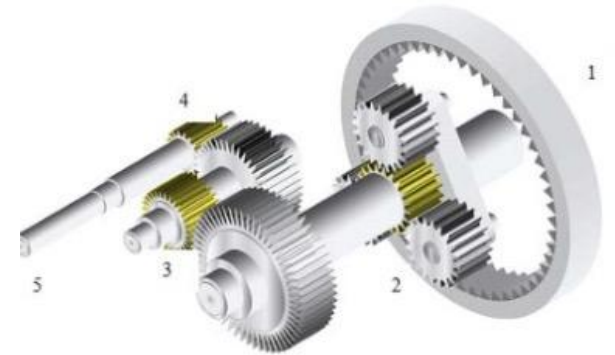
Principle of Gear Grinding Filtration System





VEZE current gear grinding filter system is widely used in new energy vehicles, wind power generation, construction machinery

VEZE的齿轮磨削过滤系统应用于新能源行业、风力发电行业、工程机械行业等。





Tool Grinding Filtration System



WOF-N-A series tool grinder filtration system application in grinding cooling filtration occasions especially for carbide cutting tools,super-hard diamond tools etc.

WOF-N-A 系列刀具磨床过滤系统适用于硬质合金刀具磨削冷却过滤、超硬钻石刀具磨削冷却过滤等场合。

Tool Grinding Filtration System



The VEZE WOF-N-A filtration system adopts a modular design.

VEZE WOF-N-A 过滤系统采用模块化设计

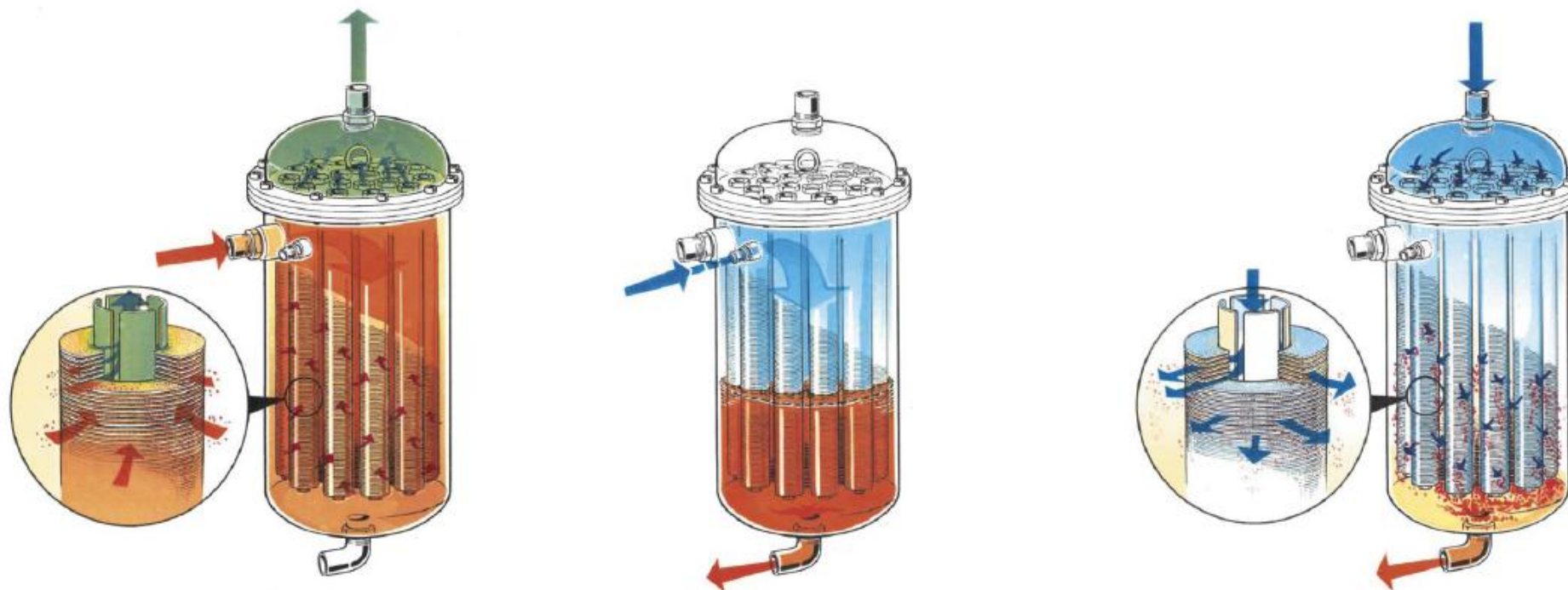


Stacked backwash filter cartridge
(Universal for grinding oil / fluid)

叠片式反冲洗滤芯(磨削油/液通用)



Tool Grinding Filtration System



We use high-precision filter cartridges for filtration,it can back wash.

通过高精度过滤单元过滤细小的杂质，滤芯能够反冲洗。



Tool Grinding Filtration System



Single Filtration System: particularly suitable for customers with few machinetools.

单机过滤系统:特别适合机床数量较少的客户群体

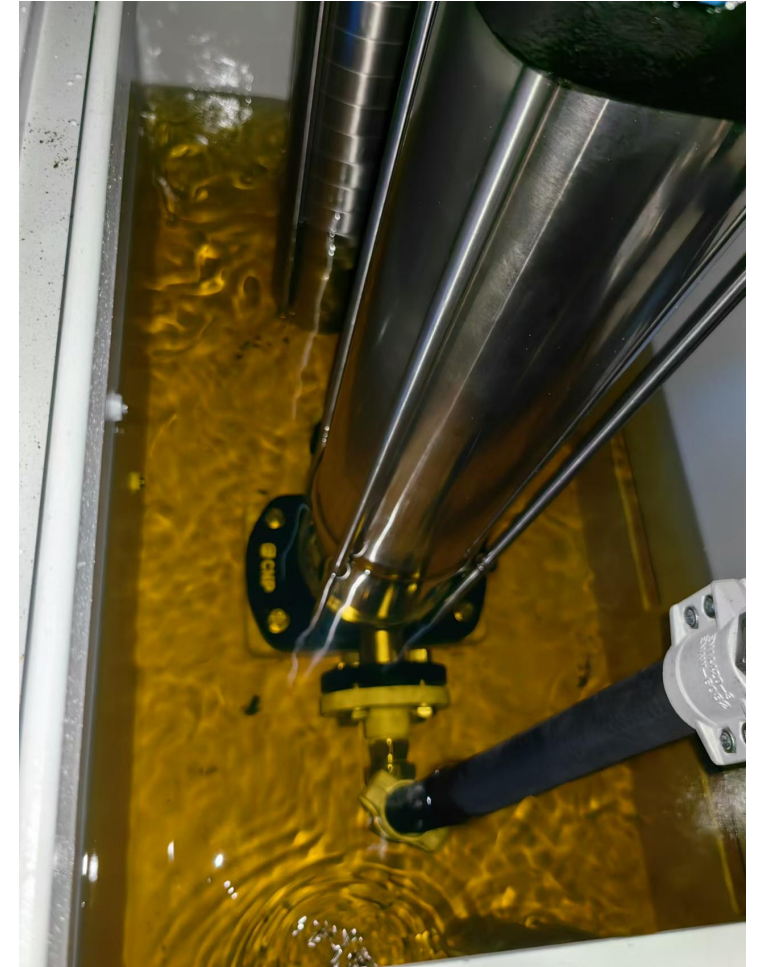


Centralized Filtering System:saving system cost;
saving energy consumption.

集中过滤系统:节省系统配套成本，节省能耗。



Filtration system for gear honing machines





Filtration System For Gear Honing Machines



Temperature control

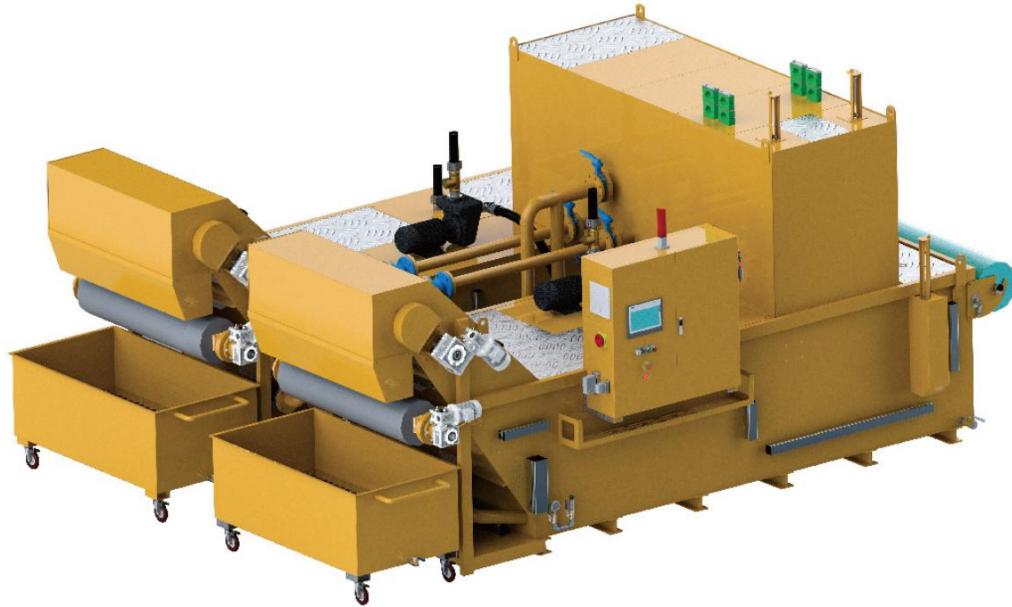


We use a refrigerator to control the temperature of water at around 10 °C. Then the water and oil exchange heat, and the oil temperature is precisely controlled at ± 0.5 °C through a proportional valve.

我们使用水冷机对磨削油进行降温，将温度稳定控制在 $\pm 0.5^{\circ}\text{C}$ 。



Vacuum Filtration Cooling System

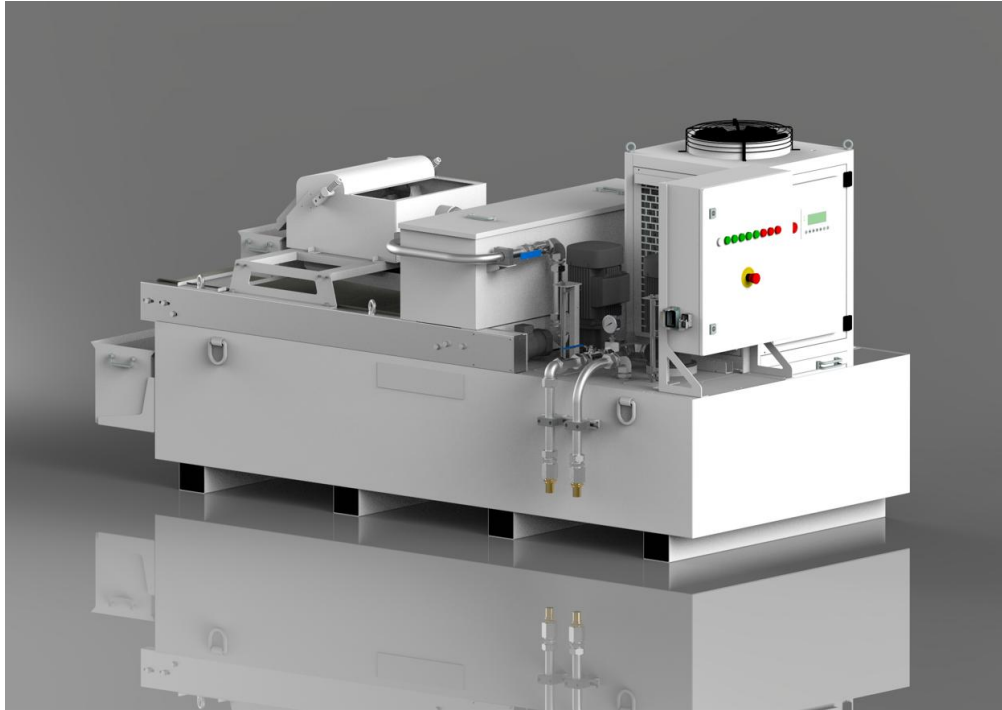


WZ-V vacuum filtration cooling system is used for all kinds of grinders such as gear grinder, cylindrical grinder, surface grinder, large machining center and etc. It is suitable for the oily and water soluble cooling liquid.

WZ-V真空过滤冷却系统适用于各类磨床如:齿轮、外圆、平面、大型加工中心等场合, 适用于油性及水溶性冷却液。

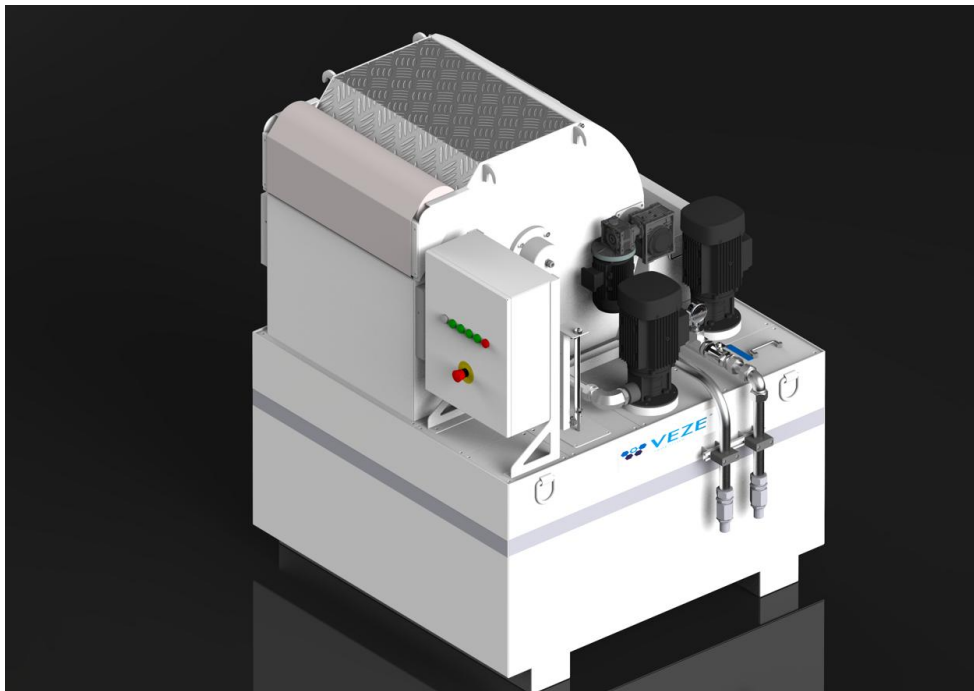


Gravity Paper Tape Filter



The WZ-G gravity paper tape filter is applicable to most machining situations in metal cutting.

WZ-G重力式纸带过滤机适用于金属切削的大部分加工场合。

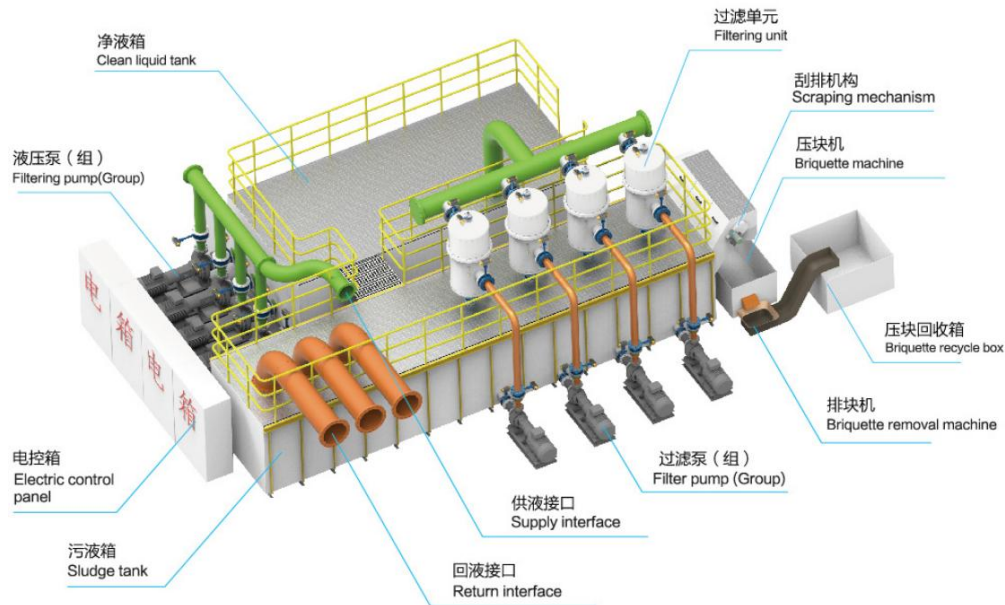


The WH-F arc-net filtration system is suitable for filtering aluminum chips that have a relatively light specific gravity and float in the liquid.

WH-F弧网式过滤机适合比重较轻在液体中呈漂浮状态的铝质切屑的过滤。



Cutting Fluid Filter System Without Consumables



The cutting fluid filter system without consumables is especially suitable for the aluminum processing industry. The service life of the filtering unit can be up to more than 10 years, making it a perfect product to replace traditional filtration.

切削液无耗材过滤系统特别适用于铝加工行业。过滤单元寿命最长可达10年以上，是替代传统过滤的完美产品。



The WZ-E consumable-free filtration system independently developed by VEZE was released and simultaneously launched on the market at the GrindingHub exhibition in Germany in May 2024.

VEZE独立研发的WZ-E无耗材过滤系统于2024年5月德国GrindingHub展会发布并同步上市



Gear Grinding Filtration System 450 units per year
每年生产约450台磨齿机过滤系统



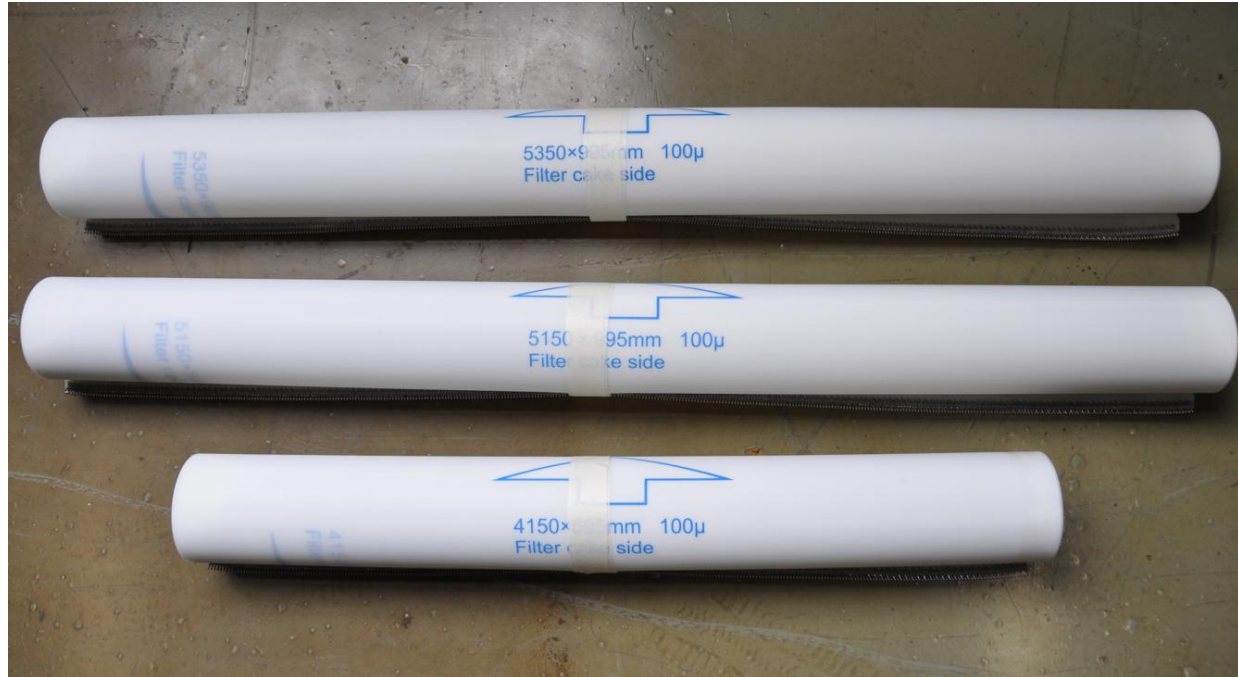
Tool Grinding Filtration System 80-100 units per year
工具磨床过滤系统每年约80-100台



Vacuum Filtration System 20-30 units per year
每年约生产30-40台真空过滤系统



Gravity paper filter



The VEZE series of filter cloths usually have models such as 4150, 5150 and 5350. They are made of imported multifilament filter cloth material, possessing good chemical stability and mechanical strength.

VEZE系列滤布通常有4150、5150以及5350等型号，采用进口复丝滤布材质，具有良好的化学稳定性和机械强度。



PART 04

PART 04

威泽客户

Customer

Chinese Customer



VEZE currently produces about 450 gear grinding filter systems per year, of which 350 are used in chinese gear grinding machines and 100 are used in International gear grinding machines. Most of these 100 units are directly supported in China.



CHMTI
重庆机床

 **蓝黛科技**

 **双环传动**
SHUANGHUAN COMPANY

 **QCMTI**
秦川机床工具集团股份有限公司
QINCHUAN MACHINE TOOL&TOOL GROUP CORP.

TAINUO
 **ZOMAX**



巨跃齿轮



中大创远



KANGNI



YONGYULAI

永裕来

OKE 欧科亿



南京二机齿轮机床有限公司
NANJING NO.2 MACHINE TOOL WORKS

Our main customers in the field of gear grinding in China

International Customers



VEZE first paired with Liebherr in Kampten, Germany in 2019

2019年VEZE过滤系统第一次与利勃海尔在德国肯普滕联机运行。



VEZE first paired with KAPP in Germany in 2021

2021年VEZE第一次与KAPP在德国科堡联机运行。



VEZE first paired with SU in Italy in 2019

2019年VEZE第一次与埃马克SU在意大利联机运行。



VEZE first paired with GLEASON in Germany in 2022

2022年VEZE与格里森第一次在德国路德维希堡联机运行。



International Customers



VEZE first paired with Reishauer in China, in 2024

2024年年初VEZE与瑞士莱斯豪尔在常州工厂联机运行

VEZE paired with GLEASON for the bigger machine in Germany in 2024

2024年年初VEZE与格里森在德国完成大型磨齿机的联机运行



WILL test with KLINGELNBERG in end of 2024, IN GERMANY

我们将与德国克林贝格在2024年底在德国进行联机测试。

Nidec



At the beginning of 2022, we started to communicate with the Nidec gear grinder Japan, and at the end of 2022, we won the order for two filtration systems from Nidec

Cooperation model with international customers

1, Send VEZE filtration system to the plant for testing.
发往国外机床厂进行测试。

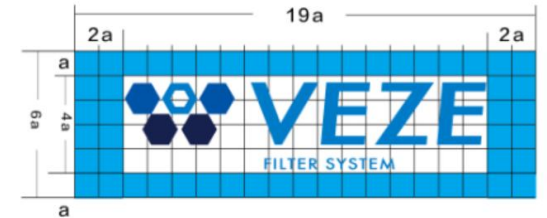
2 (a) Customers Sent the gear grinding machine to China free trade zone, Then VEZE will sent the filtration system to China free trade zone. Finally delivered to the end user together.
国外机床厂与我们订购，然后我们发往保税区。

2 (b) Customers sent the gear grinding machine to the end user and VEZE sent the filtration system to the end user.
终端用户直接与VEZE订购。

2 (c) Customers sent their gear grinding machine to the plant in China, then VEZE will sent the filtration system to customer's plant in China, then doing the setup, Finally delivered to the end user together.
国外机床厂在国内的分公司与VEZE订购。

3(d) VEZE sent the filtration system to customers plant out of China. then doing the setup at the plant, Finally delivered to the end user.
机床厂直接国外下单，直接发往他们国外的客户。

Change of VEZE



The original logo was "WEIZE". While evolving, it endows the brand with a higher definition.

The new trademark was registered simultaneously in Europe.

原来的LOGO为“WEIZE”，演变的同时赋予品牌更高的定义

新商标在欧洲同步注册



PART 05

PART 05

威泽服务

Service



VEZE has been constantly improving itself. Currently, the VEZE service team in China has achieved a 7x24-hour response, and can arrive at the customer's site within 24 hours at the earliest to help customers solve problems.

Meanwhile, we are also making full preparations for going global.

VEZE不断改进自己。目前，威泽服务团队在中国已实现7x24小时响应，可最快24小时内到达客户现场，帮助客户解决问题。
同时，我们也在为走出去做充分准备。

Currently, VEZE has already established our subsidiary in Stuttgart, Germany, providing pre-sales and after-sales services.

目前，VEZE已经在德国斯图加特成立了我们的子公司，提供售前和售后的服务。



PART 06

PART 06

威泽目标

Goal

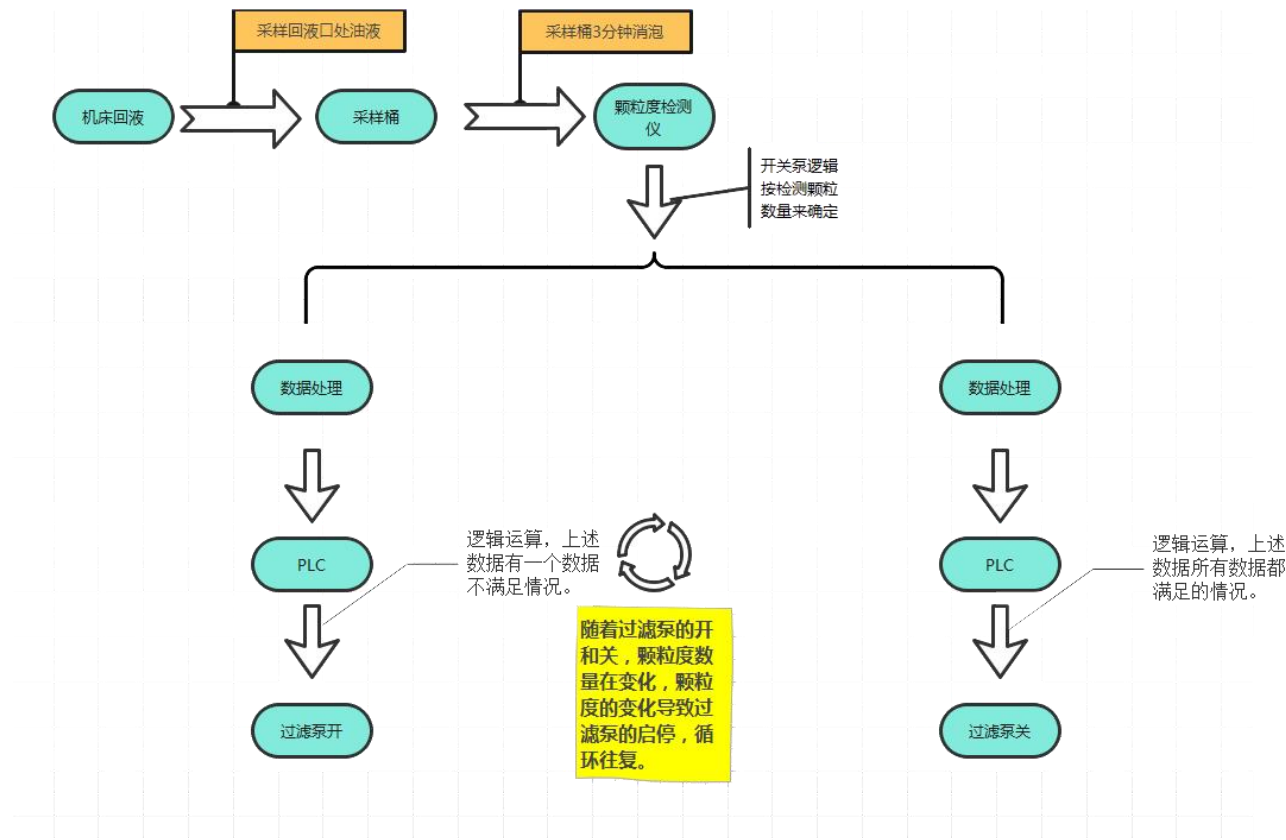


We have already set up spare parts warehouses and after-sales service departments in Germany, which will provide European customers with 5×24-hour after-sales services.

We have also established agent networks in Turkey and India. With the acceleration of our internationalization process, our footprints will be left in more regions.

我们已经在德国建立了备件仓库和售后服务部门，将为欧洲客户提供5*24小时的售后服务。

在土耳其、印度建立了代理商网络，随着我们国际化速度的加快，更多区域将留下我们的足迹。



Intelligent energy-saving system for tool grinding filtration

刀具磨削过滤智能化节能系统

The energy-saving efficiency is increased by 70%.

节能效率提高70%



High-precision filtration system for gear grinding and polishing

齿轮磨削、抛光高精度过滤系统

The newly self-developed filtering unit can improve the filtering accuracy from 20 μ m to within 5 μ m.

全新自研过滤单元可将过滤精度由20 μ m提高到5 μ m以内



Consumable-free filtering system for gear grinding

无耗材齿轮磨削过滤系统

1. 过滤单元体积小，结构紧凑，功耗低

The filtering unit has a small volume, a compact structure and low power consumption.

2. 无需更换过滤材料维护成本低

There is no need to replace the filtering materials and the maintenance cost is low.

3. 过滤效率提高20%

The filtration efficiency is increased by 20%.

4. 可应对各种复杂工况下的油液过滤

It can deal with the oil filtration under various complex working conditions.



Product Pictures



Q&A

THANKS

Wieize Yang
Jiangsu Weize Intelligent Technology Co., Ltd