



TIANCHI FILTER

professional industrial filter Manufacturer



Tianchi Filter Technology Co., Ltd.



CORPORATE PROFILE

Tianchi Filter Technology Co., Ltd.

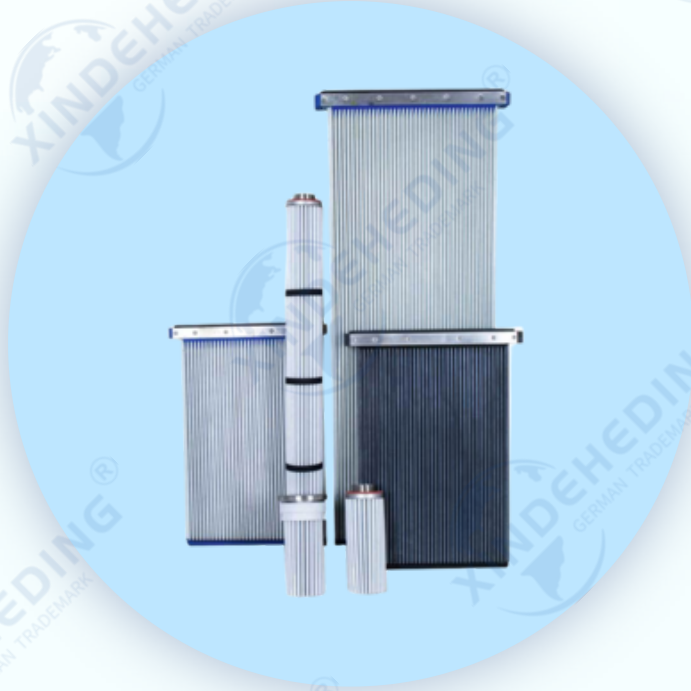
Focusing on the research, development, manufacture and application of industrial filter element , we have a group of professionals with more than 20 years of experience ,and have provided millions of sinter filters for hundreds of well-known enterprises all of the world.

[Cooperation with many famous enterprises](#)

[Professional filtration system designer](#)

[OEM and ODM services](#)

[Widely used in industry applications](#)



The latest type of Sinter Plate Filter Element (recommended): Delta2 Series Germany Originated + Imported Materials + Technology Innovation Certified by German laboratory. The base body (rigid) is sintered plate with hydrophobic PTFE coating which is securely embedded in the base body. With its special features of DELTA² filters, it can be installed not only in vertical arrangement on both the raw gas and clean gas side but also in horizontal arrangement.

Advantages:

1. High filtration grade: Can deal with 0.1µm particle size.
2. High filtration efficiency: 99.999% @ 1µm, emission << 1 mg/Nm³ (DMT certified).
3. Super long service time: PE matrix + PTFE coating, rigid body and embedded coating which is hard to be worn or torn, performance guaranteed, and service life is expected ≥ 10 years.
4. Surface-filtration, constant resistance, design air volume is stable.
5. Discharge indoors, large energy saving, equipment investment can be recovered in 2~3 years.
6. PE and PTFE material, strong acid, alkali and humidity resisting.
7. Washable, repairable;
8. Fiber free, lint free, environmental-friendly materials, no pollution to products (FDA Compliant).
9. PWIS-free.
10. Anti-static type available for explosive dust / gas (DEKRA certified).

Size:

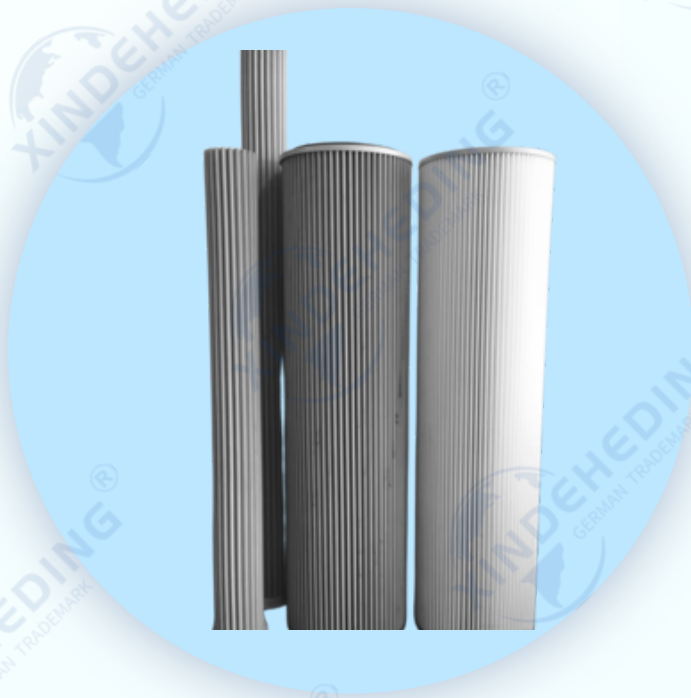
Size	Filtration Area (m ²)
Delta2_1500 / 9	4.75
Delta2_750 / 9	2.34
Delta2_500 / 9	1.57

Filter Media:

Parameter	NT1	AT1	NT2	AT2
Efficiency	99.999% @ 1µm	99.999% @ 1µm	99.999% @ 1µm	99.999% @ 1µm
Temp.	70°C	70°C	100°C	100°C
Air Pressure	2.5~5.0 Bar	2.5~5.0 Bar	2.5~5.0 Bar	2.5~5.0 Bar

Application:

Steel Industry	Nonferrous Metallurgy	Automobile Industry	Ore Processing	Rubber Tyre Industry
Electronics Industry	Foundry	Laser-Cutting	Chemical Industry	Pharmacy
Food Processing	Glass and Ceramics Industry	Cement and Lime Industry	Metal Work	...



For bag filter upgrade at minimum cost:
 Sinter-Cartridge: LT Series
 Combining the revolutionary materials of dry-filtration technology with bag filters: Sinter Cartridges. PE (polyethylene) porous matrix add PTFE (Teflon) embedded coating, pure surface filtration, efficient wear-resistant sinter plate filtration media with the wave-shaped cylindrical structure, the perfect alternative to bags and its cage.

Advantages:

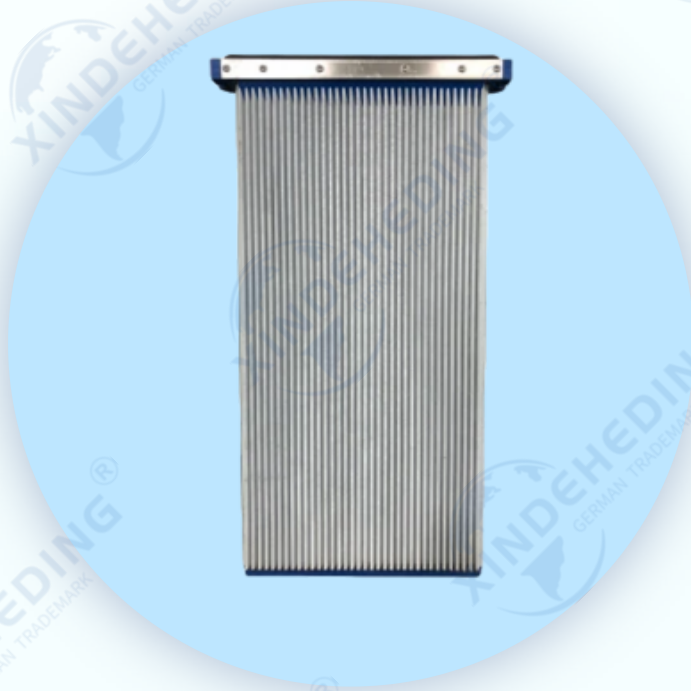
Is the old bag filter not easy to use?	Does your bag filter discharge over standard? Has the dedusting air volume decreased significantly? Do you need to change cloth bags frequently?	We provide you with the appropriate solution, through the simple and easy-to-use sinter-cartridge, to solve your difficult problems.
Combination of revolutionary dry filtration technology material and bag filter: sinter-cartridge	PE porous matrix + PTFE embedded coating, pure surface-filtration, high-efficiency and wear-resistant sintered filter media, with wave shaped cylinder structure, perfectly replacing the cloth bag and cage;	99.999% efficiency. Dealing with 0.1um particle. Emission << 1mg / Nm ³ Self lubricating and hydrophobic material, easy to purge No fiber
Significant improvement in service life and efficiency	Whether it is the dust with strong abrasion, or the ultra-fine dust, or even the wet working condition, the sinter-cartridge can handle it calmly.	The sinter-cartridge made of advanced sintered filter media, which has high filtration efficiency, service life expectancy of more than 10 years, and consistent filtration performance.
Low cost, fast and simple	Select the sinter-cartridge and replace the bag filter directly without changing the structure of the original dust collector.	Reduce downtime, prolong dust collector service life.

Size:

Size	Filtration Area (m ²)
LT125-1500	1.49
LT125-750	0.73
LT125-500	0.48
* LT133-1500	1.62
* LT133-750	0.80
* LT133-500	0.53
LT162-1500	2.03

Application:

Steel Industry	Nonferrous Metallurgy	Automobile Industry	Ore Processing	Rubber Tyre Industry
Electronics Industry	Foundry	Laser-Cutting	Chemical Industry	Pharmacy
Food Processing	Glass and Ceramics Industry	Cement and Lime Industry	Metal Work	...



The Earlier Type of Sinter Plate Filter Element (For replacement): HSL Type. It is also called “plastic sinter plate”. The rigid filtering plate whose matrix is made of PE powder through special sinter process, and coated with PTFE (commonly known as “Plastic King”, the coating material of non stick pot). The products is technology originated from Germany, with imported Materials and technology Innovation. The procuts have been Certified by German laboratory.

Advantages:

1. High filtration grade: Can deal with 0.1µm particle size.
2. High filtration efficiency: 99.999% @ 1µm, emission << 1 mg/Nm³ (DMT certified).
3. Super long service time: PE matrix + PTFE coating, rigid body and embedded coating which is hard to be worn or torn, performance guaranteed, and service life is expected ≥ 10 years.
4. Surface-filtration, constant resistance, design air volume is stable.
5. Discharge indoors, large energy saving, equipment investment can be recovered in 2~3 years.
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Size:

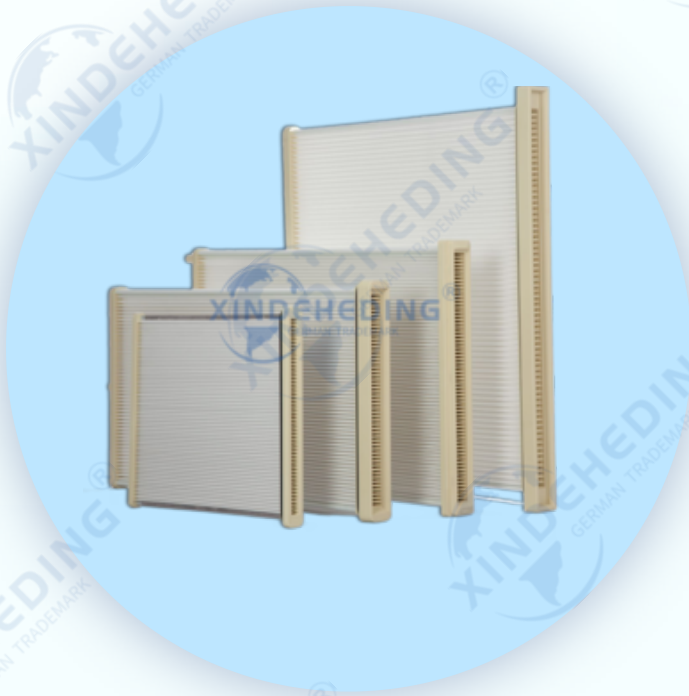
Size	Filtration Area (m ²)
HSL_1500 / 18	7.64

Filter Media:

Parameter	NT1	AT1
Efficiency	99.999% @ 1µm	99.999% @ 1µm
Temp.	70°C	70°C
Air Pressure	4.0~4.5 Bar	4.0~4.5 Bar

Application:

Steel Industry	Nonferrous Metallurgy	Automobile Industry	Ore Processing	Rubber Tyre Industry
Electronics Industry	Foundry	Laser-Cutting	Chemical Industry	Pharmacy
Food Processing	Glass and Ceramics Industry	Cement and Lime Industry	Metal Work	...



XDHD laser filters for TRUMPF® Lasers are precision manufactured to match the exact specifications of your system. We have replacement filters for nearly any TRUMPF® make and model, and perfect fit and compatibility are guaranteed. We are pleased to offer a direct drop in replacement for most dust collector filters used in TRUMPF® lasers, such as Handte® | Camfil® Dust Collection System.

Advantages:

1. Optimal extraction and filter performance
2. High-quality Teflon coating as well as residue-free processing guarantee the longest possible service life.
3. Patented guide pins ensure simple installation and the supplied O-rings guarantee a perfect seal.
4. Original filter elements ensure that lenses, bellows, and mirrors also have a longer service life.

Size:

suitable for Handte	Trumpf-Part no.	A*	B*	C*	Filter area	Pleats
MF-L 25/30/40/50	0345064	578	1045	554	4.6m ²	52
MF-L 2000/2500/3000	0380757	706	1043	662	6.0m ²	68
MF-8.4/8.5/8.6	2260691	752	1100	730	8.3m ²	68

A* Top length of filter (mm) | B* Height of filter (mm) | C* Bottom length of filter (mm)

Application:

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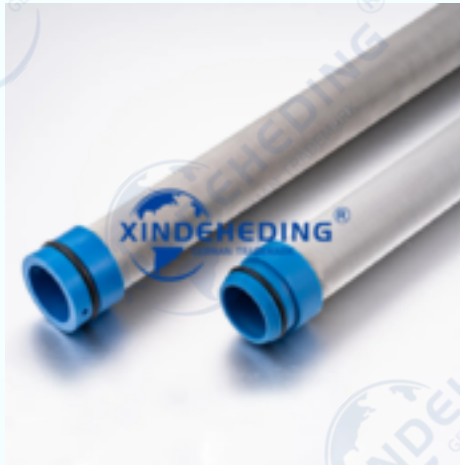
We offer a range of premium quality OEM dust collector replacement filter cartridges to suit most makes and models of any dust collector units. Cartridge filters are designed in a cylindrical shape to hold more filter media than other panel filters. The media traps the dust in the air as it flows through the dust collector. Industrial Filtration, Inc carries a whole line of cartridges. We can also make custom sizes to fit any collector. Whether your cartridge has a square flange, oval body, or special gasket, we can duplicate it.

Advantages:

1. Expanded metal mesh core
2. Spun bonded Polyester filter media
3. Variety of top end cap configurations available
4. Efficiency of 99% against 5-10 μ particle size and above
5. Premium quality OEM cartridges to suit all major dust collector manufacturers
6. Selected models also available in Oil & Water resistant, Antistatic and other medias
7. Includes cartridges to suit all major dust collector manufacturers
8. Individually packed, easy to transport to site

We carry replacement cartridges for most manufacturers such as:

AAF	Complete	Filtermart	Plymovent
Abrasive Blast Sys	Conair	Fleetlife	Pneumafil
Aercology	C&W	GEMA	RoboVent
Air Refiner	Demarco Max Vac	Guyson	Royal Filter
Airex	Diemco	Hoffman	Scientific
Airflow Systems	Dollinger	Ingersoll Rand	Sly
Amerex	Donaldson Torit	Iontech	Steelcraft
AQE	DustHog	JB I - Global	TDC
BHA	Dynamic Air	MAC	Torit
Binks	ECO	Micro-Air	TVS
Braden	Empire	Mikropul	UAS
Camfil	Endustra	MPF	UAS/DustHog
Camfil Farr	Enviro Systems	Napa	Universal Silencer
Champion	Environmental	Nordson	Uniwash



marine candle filter



Dust Collector Filters



Basket Filter Cartridge



Coalescer & Separator Filter



hydraulic oil filter



vacuum pump filter



Tianchi Filter Technology Co., Ltd.

Over years' development and innovation, our sinter plate filters are widely applied in Ceramics Production, Additive Manufacturing, Chemical Industry, Mineral Industry, Laser Processing, Mechanical Metal Working, Pharmaceutical Industry, Wire Drawing, Automotive Industry, Food Industry, Other Industry other industries, ect.

We has built close relationships and cooperation with many famous enterprises at home and abroad.

With over 20 years of technical accumulation, we have accumulated production data for more than 20,000 types of filter cartridges, which can meet customers' customization needs.

With experts and high quality products, we provide reliable and economical solutions to meet your environmental needs now and in the future.

We also accept OEM and ODM services for customers with special demand.

We are the expert and professional filtration system designer!



⇓
Sinter-plate
Dust Collector



⇓
Laser Fume
Extractor



⇓
Baghouse
Type Dust
Collector



⇓
Cyclone Dust
Separator

Dust Collector Products

Tianchi Filter Technology



Pharmaceutical
Dust Collector



Cartridge Filter
Dust Collector



Sinter-plate
Dust Collector



Wet Dust
Collector

Dust Collector Products

Tianchi Filter Technology





**Choosing our products. Meeting
your environmental needs now and
in the future.**

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