

# Inborn Filter<sup>TM</sup>

## COOLANT/FILTER PRESS FILTERS

MANUFACTURE, CUSTOM & DESIGN





**Inborn Filter**<sup>TM</sup>  
HYDRAULIC FILTER

# Coolant/Filter Press Filters

Manufacture, Custom & Design

About

# Yinbeier & Inborn Filter<sup>TM</sup>

Yinbeier manufactures a complete line of **replacement filter element** for industrial production



Hengshui Yinbeier Hydraulic Filter Co., Ltd. established in 2003 and began with producing and researching hydraulic filter elements. During years of researching and development, we have grown into a professional company, which is specialized in manufacturing, designing and customizing industrial filter element for customers from all over the world.

We have more than 10 production lines which cover hydraulic oil, air dust, water, compressed air, fuel and coolants industrial filter elements.

We brought in more than 200 sophisticated equipment and the annual output is more than 100 millions filter elements, which can satisfy the large and urgent orders of our customers.

We have more than 500 workers until now. And the company regularly organize training and assessment to ensure that all staff are in the best condition and can get the latest technology and skills.





23+

23 Years Experience



1.48 M

1.48 M Registered Capital



3000+

3000+ filter elements



500+

500+ workers



1000+

1000+ square meters  
workshop



10+

10+ R&D Staffs



800+

800+ Design &  
Custom Records



200+

200+ Customer  
Countries & Regions



20,000+

20,000+ Annual Output

## Company History

Present

Formed a professional foreign trade team, established a special foreign trade brand.

Products are exported to Kazakhstan, the United States, Indonesia and other countries

2017

Special Contributions

2015

Passed ISO 9001 and CE certification

2012

Build "Inborn Filter<sup>TM</sup>" Brand

2011

Local well-known companies

2009

Member of Anti-Counterfeiting Association

2005

Determined company development and product marketing directions

2003

Establishment



# Coolant Filter Paper

*Purify Coolants in Metal Processing Production*

Coolant filter paper with non-woven media structure, are made of PET or PP fibers. The filter paper has excellent filtration performance for filtering the metallic and non-metallic containment in coolant, guarantee the cleanliness of coolant and extend the coolant service life.

Grinding coolant filter paper can be supplied in rolls and is also available in sheets or die-cut shapes.

Grinding coolant filter paper are widely used in the coolant filtration system in metal processing.



## Specifications

- Material: polyester (PET) or Polypropylene (PP)
- Width: 0.5–1.5 m
- Length: 50–250 m
- Surface: smooth and dot embossed.



Standard surface



Dot embossed surface

	Thickness (mm)	Weight (g/m <sup>2</sup> )	Material	Longitudinal Strength (N/5cm)	Transverse Strength (N/5cm)	Air Permeability (L/m <sup>2</sup> s)	Filter precision (μm)
IBCFP-01	0.17±0.05	30±5	Polyester	60	15	3400	45–55
IBCFP-02	0.26±0.05	40±5	Polyester	100	19	3000	36–45
IBCFP-03	0.28±0.05	50±5	Polyester	110	25	2300	25–35
IBCFP-04	0.30±0.05	60±5	Polyester	125	35	1800	15–25
IBCFP-05	0.50±0.05	90±5	Polyester	220	52	650	8–12
IBCFP-06	0.25–0.28	40	Polyester	100	60	–	40–50
IBCFP-07	0.28–0.3	60	Polyester	120	80	–	30–40
IBCFP-08	0.4–0.42	90	Polyester	135	96	–	10–15
IBCFP-09	0.37–0.4	70	Polyester	190	65	–	18–22
IBCFP-10	0.43–0.46	90	Polyester	230	85	–	12–18
IBCFP-11	0.75–0.8	150	Polyester	360	140	–	5–10
IBCFP-12	0.17–0.2	30	Polypropylene	90	50	–	50–60
IBCFP-13	0.35–0.38	60	Polypropylene	190	105	–	15–25
IBCFP-14	0.4–0.42	80	Polypropylene	210	130	–	10–15



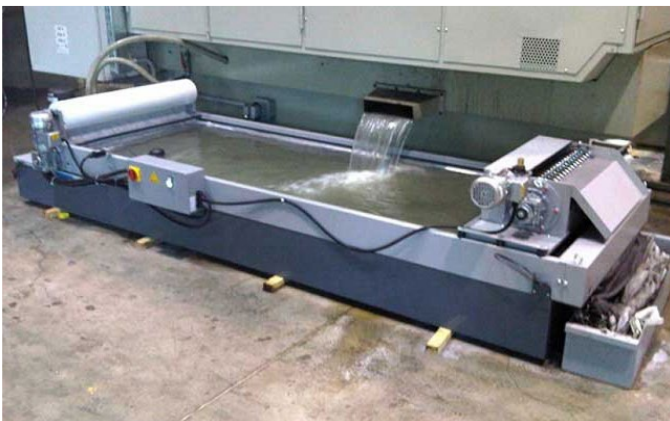
## Features

- Uniform surface and good porosity. We adopts ultra fine fibers and advanced molding technology to guarantee the distributed surface and high filtration efficiency.
- High tensile strength to adapt to the gravity bed filter, vacuum filter, drum type paper belt filter, deep bed paper belt filter and other filtering equipment requirements.
- Good chemical stability of emulsion and soaking resistance for long term use during -40 °C to 120 °C temperature.
- High filtration fineness to increase the coolant service life, reduce products surface damage, reduce production loss and improve production efficiency.
- Different filtration precision for options, can meet different filtration equipment in different fields.
- Can be customized into bags, specialty parts and other configurations to meet any specifications and requirements.

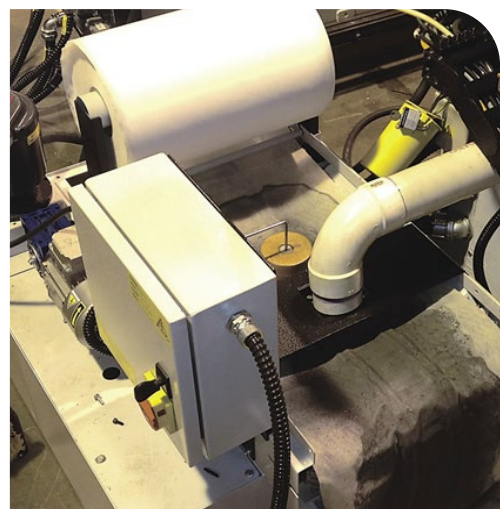
## Applications

Coolant filter paper is widely used in gravity bed filter, vacuum filter, drum type paper belt filter, deep bed paper belt filter and other filtering equipment for coolant filtration, including:

- Automobile engine processing
- Auto parts processing
- Bearing processing
- CNC grinding
- Gear grinding
- Cutting process
- Machine tools



Coolant filter paper for grinding machine



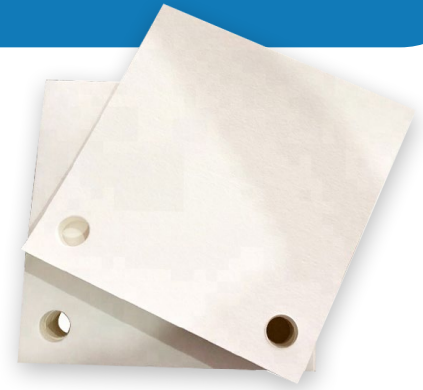
Filter paper for machine tool coolants



# Plate Oil Filter Filter Paper

19. Optional Sizes for Most of Oil Filter Machines

Filter paper is widely used in the plate and frame oil filter machines for liquid filtration. It adopts cotton linter as raw material, which has good absorbent filter, high compression strength and filtration precision performance.



## Specifications

- Material: cotton linter
- Shape: square, round and other customized sizes
- Customize service: OEM and other customized services are available as customers' request

Common Sizes of Filter Paper for Plate Oil Filter <small>(unit: mm)</small>			
180 × 180	185 × 185	187 × 187	190 × 190
200 × 200	234 × 234	235 × 235	240 × 240
245 × 245	250 × 250	270 × 270	280 × 280
280 × 285	285 × 285	290 × 290	295 × 295
296 × 296	298 × 298	295 × 300	300 × 300
325 × 325	340 × 340	400 × 400	440 × 440
500 × 500	600 × 600	700 × 700	900 × 900
Φ 500	Φ 600	Φ 800	Φ 1000

## Features

- Natural pH and cannot be replaced by filter cloth or filter meshes
- Strong water absorption
- Excellent filtration performance
- High compression strength

## Applications

The filter paper is widely used in Petroleum, chemical, pharmaceutical and other industries to filter out and separate the solid, semi solid impurities from liquid and oils.

Filter media mainly contain transformer oil, turbine oil, lubricating oil, hydraulic oil, soluble organic liquid paraffin, oil analogy synthetic resin, sebacic acid dioctyl fat melting. And liquid medicine, dyes, drinks, plating liquid filtration.

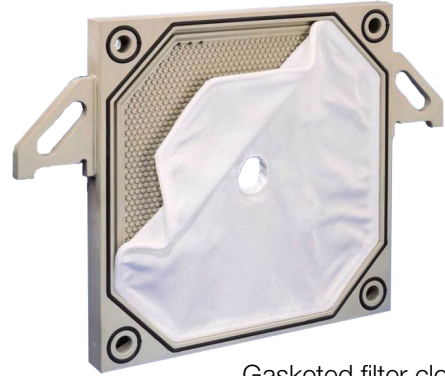




# Filter Press Filter Cloth

*Gasketed & Non-Gasketed for Filter Press Filtration*

Filter cloth is one of the key variables in the optimization of any liquid filtration application. We have a complete line of filter cloth for your filter press system to improve your production efficiency and reduce downtime. Our filter cloth varies in shapes, sizes, materials and weave methods. All our filter cloth are carefully selected and optimized to guarantee good particle retention, clear filtrate, high flow rates and dry filter cakes.



Gasketed filter cloth

## Features

- Up to 20% longer filter cloth lifetime and higher cake solids content.
- Reliable separation of even the smallest particle sizes.
- Wear resistance.
- Easy filter cake discharge.
- High stability, even on surfaces with larger filter elements.
- Standard or customized design to meet your specific requirements.



Non-gasketed filter cloth

## Specifications

- Fibers: Polypropylene, Polyester, Nylon, Teflon, cotton, etc.
- Threads: monofilament, multifilament, spun stable yarns, needle-punched felts, spun-bounded laminates.
- Type: gasket type and non-gasket type
- Sizes: 470 mm, 630 mm, 800 mm, 1000 mm, 1200 mm, 1500 mm and customized sizes.
- Customize service: available as customers' request.

## Applications

We have the capability to manufacturer replacement cloths for all filter press and plate manufacturers.







## **ABOUT YINBEIER & INBORN FILTER™**

Hengshui Yinbeier Hydraulic Filter Co., Ltd. established in 2003 and began with producing and researching hydraulic filter elements. During years of researching and development, we have grown into a professional company, which is specialized in manufacturing, designing and customizing industrial filter element for customers from all over the world.

We have more than 10 production lines which cover hydraulic oil, air dust, water, compressed air, fuel and coolants industrial filter elements. We brought in more than 200 sophisticated equipment and the annual output is more than 100 millions filter elements, which can satisfy the large and urgent orders of our customers.

We have more than 500 workers until now. And the company regularly organize training and assessment to ensure that all staff are in the best condition and can get the latest technology and skills.



No. 29 Jianghai Industrial Zone,  
Jingxian County, Hengshui City,  
Hebei Province, China.

info@umfilter.com  
www.umfilter.com

**MANUFACTURE, CUSTOM & DESIGN**

---

*Copyright © 2021 Hengshui Yinbeier Hydraulic Filter Co., Ltd.  
All Rights Reserved*