High quality filtration requires high quality media. Dorstener Wire Tech is a fully integrated company that not only produces polymer filters and extruder screens, we produce the media we use in our filters. Our fully integrated manufacturing facilities allow us to offer high performance filters direct from the manufacturer at an economical cost.

Proper filter design is critical. Questions that need to be asked are:
- What level of filtration do you require?
- Are your screens or filters back flushed during operation?
- What is the type and size of your standard contaminates?
- What are your target throughput rates?
- What is the type or style of your screen changer?
- What are the details on previous screen failures?

The Dorstener Group offers domestic and offshore production. We produce extruder screens and other polymer filters in the USA, Germany, Czech Republic, and China. Dorstener maintains a full range of tooling to produce screens and filters for all makes and models of screen changers.
- Single Screen Filters
- Spot Weld Packs
- Rim Bound Packs
- Cylinders
- Cones
- Candle Elements
- Continuous Melt Screens
- Screens for Rotary Changers
- Continuous Auto Screen Belts
Virgin Resin Production and Compounding

Polymer manufacturing requires numerous types of filters to produce the highest quality resin.
- Custom filter elements to your specifications and requirements.
- Screen pack optimization and wide selection of alloys for demanding environments: 304ss, 316ss, Alloy 20, Inconel, Hastalloy, Nickel 200, Monel and many more.
- Ultrasonically cleaned packs.
- Cleanable elements or packs.

Dorstener Wire Tech produces filtration components for standard and custom resin production, as well as compounding of resins.

The more you know: Dorstener produces thousands of mesh specifications. For any given micron rating there are multiple weave patterns. Weave patterns impact flow, filtration performance, screen life and final screen pack design. We can help optimize your screen pack.
Plastic Recycling

There are many styles of filtration products used in the plastic recycling industry. Dorstener Wire Tech can supply you with all of them. We have the expertise and manufacturing capabilities to design superior packs to aid in the following:

- Product throughput vs. filtration requirements.
- Screen pack performance and cost.
- Vendor managed stocking programs that ensure continuous supply.
- Carbon steel and various Nickel based alloys available.
- Single disc screens for mesh combination.
- Spot weld and rim bound packs for easy handling.

Our understanding of all the factors that impact your processing allows us to provide a screen pack that performs at optimal levels at an economical cost.

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<td>1050</td>
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Permeability is based upon air permeability test
Results are stated in SCFM/FT² @ 1” Water Column
(Data is for reference only)
Synthetic Fibers and Filaments

Synthetic fiber and monofilament production requires many styles of filters. Dorstener Wire Tech offers a full range of spin packs and accessories.

Spin Pack Screens require quality from the start.
- We fully control our woven mesh and fiber felt media.
- Full on site testing capabilities: bubble point, alloy, flow, and more.
- Visual and automated inspection systems for media and finished packs.
- We produce spin packs under ISO 9001:2008 certified controls and procedures.
- Proper control of tooling.
- Ultrasonic cleaning of spin packs.
- Woven Wire Cloth media down to 5 micron.
- Sintered Fiber Felt media down to 5 micron.
Specialty and Blown Film Filters

Dorstener Wire Tech understands that the manufacturing processes for optical film and display films include strict quality control standards. Dorstener Wire Tech can produce filters that will help eliminate any anomalies such as carbon specs and the presence of gel from your melt stream.

Pleated Candle Elements and Leaf Disc Filters for Specialty Film Production

Dorstener Wire Tech provides pleated elements and leaf disc filters made with both woven mesh and sintered fiber felt. Dorstener provides pricing and lead-time for filter elements that is unparalleled in the market place.

Extruder Screens for Blown Film Production

Extruder Screens in a multitude of shapes and sizes are available for film production equipment.

- Single screen disc for mesh combination flexibility.
- Weld packs for easy handling and inventory control.
- Mesh cylinders with carbon or stainless steel media.
- Aluminum bound packs.
Dorstener Wire Tech is your single source manufacturer for high-quality polymer filtration products. We are committed to providing all of our clients with premium products that exceed expectations at an economic price coupled with industry-leading customer service.

**Auxiliary Production Components**

Dorstener Wire Tech also provides a vast array of auxiliary filtration components used in the polymer processing industry. These products might not be consumed at the same volume as process filters but can be just as costly if not managed correctly.

**Gaskets**

Gaskets of many alloys (most commonly aluminum) are common in synthetic fiber production and provide the seal necessary for optimal spin pack performance.

**Vacuum Screens**

Like any air system it’s critical that the filters in your material transport lines are kept clean and replaced.

**Dryer Filters**

Keeping fine dust particles out of the heat exchangers on drying equipment will extend the life of your equipment. Switching to stainless filter media also allows for filters to be cleaned.

**Copper Gauze**

Copper gauze is an economical tool used to clean polymer processing equipment such as extruders, dies, screws, and similar machinery.