



Filtration Solutions for the Mining Industry

In mining, every system counts—and filtration is one of the most critical. From dust collection in crushing operations to dewatering slurry in mineral processing, filtration plays a vital role in maximizing productivity, reducing downtime, and ensuring environmental compliance.

Menardi Filters delivers both liquid and dry filtration solutions designed to meet the demanding conditions of the mining sector. Whether you're managing nuisance dust or recovering valuable product, we provide the technology, media, and technical support to keep your operations moving forward.

Applications We Support

Dry Filtration (Dust Collection)

Menardi offers a wide range of high-performance filters for baghouse systems used in mining operations:

- **Pulse Jet Filter Bags:** Available in multiple media types and finishes for high-load environments
- **Reverse Air & Shaker Bags:** Durable options for older or specialty systems
- **Pleated Elements & Cartridges:** Enhanced surface area and efficiency for tight spaces

Our filters are engineered to withstand fine, abrasive dust common in materials like kaolin, copper, and phosphate, and they support effective air pollution control in crushing, conveying, and processing areas.

Liquid-Solid Separation

Our liquid filtration products handle everything from clarification to dewatering:

- **Filter Press Cloths:** Laser-cut and sewn to ensure seal integrity and cake release
- **Vacuum Filter Media:** Designed for rotary disc, drum, or pan filters in continuous dewatering systems
- **Candle Filters & Pressure Leaf Elements:** Ideal for achieving high product purity in solvent or acid-based extractions



One Maxwell Dr
Trenton, SC 29847



800-321-3218

www.menardifilters.com



Challenges We Solve in the Mining Industry

Mining operations face extreme conditions, tight regulations, and constant production demands. At Menardi Filters, we don't just supply filters — we solve problems. Here's how we help mines across North America stay efficient, compliant, and productive:

Excessive Dust & Airborne Particulates

Challenge: Crushing, conveying, and material handling produce fine, abrasive dust that clogs filters and threatens air quality.

Menardi Solution:

- Pulse jet and reverse air filter bags built for high-dust environments
- Pleated elements to increase surface area and reduce changeouts
- Leak detection and system audits to maintain emissions compliance

Frequent Downtime & Short Filter Life

Challenge: Poor filter fit or media selection leads to early failure, forcing shutdowns.

Menardi Solution:

- Custom-cut and sewn filters matched to your collector
- Longer-lasting cartridge and bag options to reduce maintenance
- Application-matched support from filtration experts

Regulatory Pressure & Emissions Compliance

Challenge: Falling short on emissions or water standards can mean fines — or worse.

Menardi Solution:

- Filtration products engineered to meet EPA and MSHA standards
- Leak detection testing and compliance documentation
- Support from a team that knows your industry

Harsh Operating Conditions

Challenge: High temperatures, acidic gases, and corrosive slurries destroy ordinary filters.

Menardi Solution:

- Fiberglass and PTFE filter media for extreme temps
- Chemically resistant press cloths and liquid filter elements
- Engineered filter designs for long-lasting performance

Slurry Management & Water Recovery

Challenge: Inefficient liquid-solid separation leads to product loss and regulatory headaches.

Menardi Solution:

- High-performance filter press cloths and vacuum media
- Candle filters and pressure leaf elements for fine separation
- Tailored solutions for phosphate, kaolin, copper, and more

Remote Locations & Supply Chain Delays

Challenge: Long lead times and unresponsive vendors can halt operations.

Menardi Solution:

- U.S.-based manufacturing for faster turnaround
- Flexible stocking and emergency delivery options
- Live, responsive customer support — no overseas runaround



One Maxwell Dr
Trenton, SC 29847



800-321-3218

www.menardifilters.com