PROCESS FILTRATION

mott
MISSION CRITICAL PRECISION

Take a Scientific Approach to Filtration System Design

When it comes to process filtration – whether separating solids from liquids, or particulates from gas, there are numerous ways to go about it. At Mott, we have installed more than 600 filtration systems worldwide, and our experience has shown that each application is unique. That's why we work with our customers to select the proper filter material, determine the appropriate filter size, customize the design and evaluate the system's performance – both in our state-of-the-art laboratory and onsite at your facility. Our engineers work with you throughout the design and installation process to ensure your system is operating at peak filtration efficiency.

You will find our filtration systems in chemical processing, petroleum refining, and power generation plants throughout the world. Our systems have been proven to filter particles as small as 0.2 µm, resulting in cleaner end products.

TYPICAL APPLICATIONS:

- Catalyst removal and recovery
- FCC slurry oil
- Specialty and agro chemical manufacturing
- Filtration of high temperature liquids and gases
- Filtration of solvents, ketones, esters, amines, liquid hydrocarbons, and polymers
- Gasification
- Many others

Optimized, not Standardized

Feasibility Testing

Collaborate with Mott's engineers as they test your sample in our state-of-the-art lab, to determine the optimal filter media and sizes for your unique application.

Design Optimization

Rely on our engineering expertise – amassed during more then 600 global installations – to optimize your filtration system.

Pilot Testing

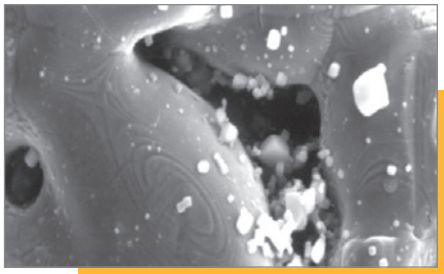
Install a pilot unit in your facility and put our filtration system to the test under your unique conditions.

Installation Support

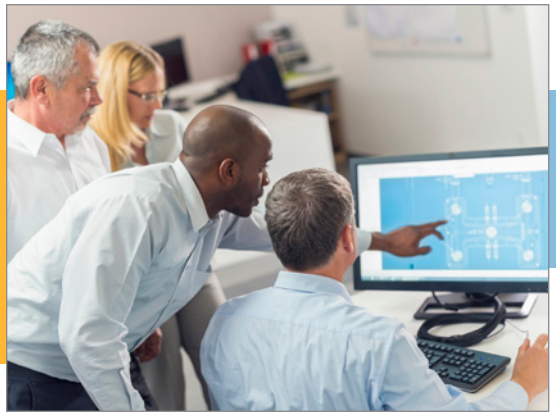
Depend on our engineers to work with your installation team during the implementation of your custom Mott filtration system.

Post-Installation Support

Our experts are available to address any questions or issues that may arise anytime following installation.



Filtration of sub-micron particles (shown at 100x magnification)



Our experts work side by side with you throughout the entire process – from lab testing to design and through installation.

Rely on Porous Metal Filters to Withstand Challenging Industrial Applications

Our sintered metal filter elements are a popular choice for many industrial applications because of their resistance to corrosion, wear and heat. Because our filtration elements are sintered from 100% stainless steel, nickel, Hastelloy® and other highly durable alloys, they offer unsurpassed chemical compatibility and can withstand years of continuous use under the harshest conditions.

Closed Loop Systems Uphold Employee Safety

Mott filtration solutions are designed to operate in a closed loop, meaning uptime is measured in years rather than days or months. This makes it possible for workers to oversee the system from a control room, thereby minimizing exposure to harmful elements.

Designed to Minimize Impact on the Environment

Mott filters are designed to limit the utilities needed to perform the filtration process, thereby reducing energy consumption, limiting liquid backwash volumes, reducing waste and eliminating leaks. In addition, our filter system is completely enclosed so gases and fumes are never released during system operation.

About Mott

Our team of highly skilled professionals understands the importance of designing, engineering, manufacturing and servicing the best products in the industry, and providing unparalleled technical expertise to our customers.

For more than half a century, Mott has earned a reputation for ironclad reliability, unparalleled applications expertise and attention to customer service. Today, we operate two facilities in the United States and partner with a global network of representatives that attend to our customers' needs in all corners of the world.

World-class technology and design capabilities