

Sub-Micron Filtration for Industrial Fluids such as Oils and Coolants

Our patented magnetic filtration systems are the ultimate in filtration technology, providing cost, quality and environmental benefits.

- Removes 100% of ferrous contamination*
- Reduces disposable filter costs by up to 100%*
- Extends fluid life by up to X10*
- Reduces reject rates to zero*
- Investment payback in 3 months*

Magnetic filtration is the most effective means of removing problem ferrous particles from industrial fluids such as coolants, oils, lubricants and wash solutions.

Its' success is based an ability to remove almost 100% of ferrous contamination, including sub-micron particles, without the need to replace consumable filter items or affecting the fluid's key properties. Traditional filtration systems typically leave ferrous particles smaller than 5-10 microns circulating in the fluid causing damage to process equipment and finished products.

With the range of cost, efficiency and environmental benefits magnetic filters provide a rapid return on investment – sometimes as little as a 3 month payback.

Increased product quality

100% removal of ferrous particles ensures a cleaner cut or grind. A magnetic filter protects the part surface from the abrasive effects of ferrous particles and ensures a premium “mirror” finish to meet demanding tolerances. This in turn reduces reject rates, improves quality consistency and in applications such as cutting tools means that the product can command a higher sale price.

No consumable items required

Unlike some traditional filters which use replaceable media such as powder or paper, magnetic filters require no consumable items thereby presenting significant cost savings.

Longer lasting fluids

With a sub-micron filtration capability, magnetic filtration ensures fluids, such as oil and coolants, are cleaner and run for longer periods. In many cases this results in huge fluid, coolants or oil purchase and disposal savings. All the cleaned fluid is returned back into the cycle.

Ideal for 24/7 operation

Our fully automated magnetic filter systems are ideal for continuously operating manufacturing lines.

Maintained flow rates

With magnetic filters fluid does not flow through a barrier so the flow is uninterrupted. High flow rates can be maintained without affecting filtration efficiency.

No back pressure

Even when the magnetic filter is 'full' there is no blinding or risk of burst filters. The patented designs ensure that the magnetic filter can never block.

*Subject to operating conditions