ONE EYE INDUSTRIES

The Leader in Industrial Magnetic Filtration

Significantly Improve Thread & Machining Quality by Removing Fine Ferrous Contaminants from Cutting Fluids and Reservoirs

The Challenge

Producing the highest quality threads and machined surfaces is always a challenge. Many shops lose valuable operational time and spend excessive amounts on new dies and maintenance due to premature wear. Reducing these costs and increasing uptime leads directly to increased profitability.

The Solution

Installing Series 6000 Magnetic Filter Rods in the fluid reservoirs of threading machines, milling machines and lathes removes ferrous contaminants right down to the sub-1-micron level. Operating with cleaner cutting fluids means equipment continues to function properly and produces better quality products.

Magnetic Filter Rod with ferrous contaminants - above / below - a clean filter rod

"The results have been amazing," says Marty Wieler of Wieler Mechanical after he installed the Series 6000 in the reservoir of his new 535 Rigid Threading Machine to reduce the metal contaminants in the cutting oil. He went on to say that, "the thread quality has improved dramatically, leaks have reduced, and I have not replaced the dies or any other parts for the past year. The Series 6000 clearly outperforms any other magnetic product for this application... this has increased my production and reduced operating costs."

"The results are astonishing; the filtration of metal contaminants in the cutting oil has improved a thousand percent." comments Marty Kleisenger of Canyon Plumbing & Heating. He installed the Series 6000 on seven of his threading machines and is delighted with the improvements. "Our operational time has improved and replacement costs for dies and parts decreased dramatically. It is so effective we have not replaced our dies since the installation of the magnetic filters."

The Bottom Line

Kleisenger goes on to say that, "as the head purchaser for our company I recommend Filter Master products for all of your filtration needs with great confidence. They will increase your operating time, reduce parts and maintenance costs and increase your profitability."

Technical Description

Designed for installation in oil & coolant reservoirs of rigid threading machines, milling machines and lathes, FilterMaster Series 6000 Magnetic Filter Rods:

- Remove ferrous particles right down to the sub-1-micron level slowing wear cycles
- Increase the ISO cleanliness level of fluids producing higher quality products
- Significantly extend the life of pumps, dies and moving parts
- Are warranted for 3 years and have an operational life of 10+ years.

The incredibly strong magnetic fields generated by the Series 6000 Magnetic Filter Rods allow it to remove ferrous contamination from most all fluids. Magnetic fields of this strength are needed to filter very fine particles –less than 1 micron – with a small mass especially when the fluids are traveling in "high flow" applications.

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