



interfil

## Coolant Swarf Magnetic Separator



## ◆ The cutting edge in Magnetic Filtration

The magnetic drum separators improve machine efficiencies, extend coolant life and lower costs in grinding applications for ferrous materials. The use of heavy duty multi-pole grade 8 permanent magnets increase the magnetic field for increased ferrous particle separation. Engineered to last, the Interfil magnetic drum separator will deliver the results you are after.



## ◆ Construction Simplicity and Compactness

The fully automatic and self cleaning Magnetic drum separator consists of stainless steel fabricated tank, incorporating a 127mm diameter magnetic drum constructed from stainless steel and fitted with heavy duty multi-pole ceramic grade 8 permanent magnetic circuit. The drum driven by 415Vac 3phase geared motor. Stainless steel spring loaded scraper blade to assist in the removal of ferrous particles discharging into a bin.

## ◆ Operation

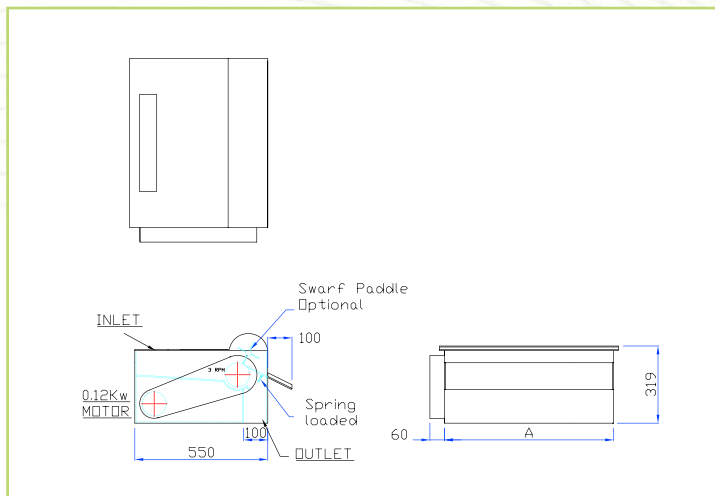
The cutting oil, water soluble oil coolant or liquid laden with ferrous solids is directed by gravity to the inlet flume on top of the magnetic separator. The dirty coolant is channeled past the powerful magnetic field set up inside the rotating stainless steel drum, and ferrous particles are attracted to the magnetic surface whilst clean coolant returns to the process ready for re-use. The continuous rotating drum passes under the stainless steel spring loaded scraper blade discharging the dry ferrous particles into a bin.

## ◆ The Benefits

- Sub-micron filtration - removes all magnetic particles no matter how fine
- Better product quality – Coolant free of waste particles enables a better surface finish and fewer rejects.
- Improved grinding wheel life – Grinding wheels last longer with the reduction of fine particulate loading the grinding wheel and requiring dressing.
- Improved coolant life - extends the life of the coolant by many months.
- Increased Productivity - reduces machine downtime, increased productivity.
- No ongoing consumables needed – doesn't require ongoing spending, operating costs are negligible.
- No maintenance – engineered design to be maintenance free.



Stainless steel magnetic drum fitted with permanent heavy duty multi-pole grade 8 magnets



Model	MF100	MF200	MF300	MF400
Flow Rate	100 Lpm	200Lpm	300Lpm	400Lpm
Dimension A	400mm	500mm	600mm	700mm

## Contact Us

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