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A2E Environmental Solutions Ltd
亞歐環保電機有限公司

A2E Environmental Solutions Ltd.

We are happy to discuss a solution
for your Industrial application

Filtration:

Paper Band Clarifier	Coolant Centrifuge
Magnetic Drum Filter	Hydrostatic Filter
Rotary Drum Filter	HydroCyclone Filter
Oil / Water Separators	Vacuum Filter
Filter Media	

Swarf Processing & Handling:

Steel Belting	Steel Belt Conveyors
Swarf Wringer	Swarf Shredder Swarf Briquetting Press

Vehicles:

Quad	ATV	Go-Kart	DuneBuggy
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Energy Savers:

LED Bulbs	Wind Turbines	Solar Water Heating
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Consultancy Services:

Imports	Exports	Shipping/Freight
Engineering Services by Our man in China & with Your man in the UK		

Web: www.a2e-es.com

Tel: 07818 086650

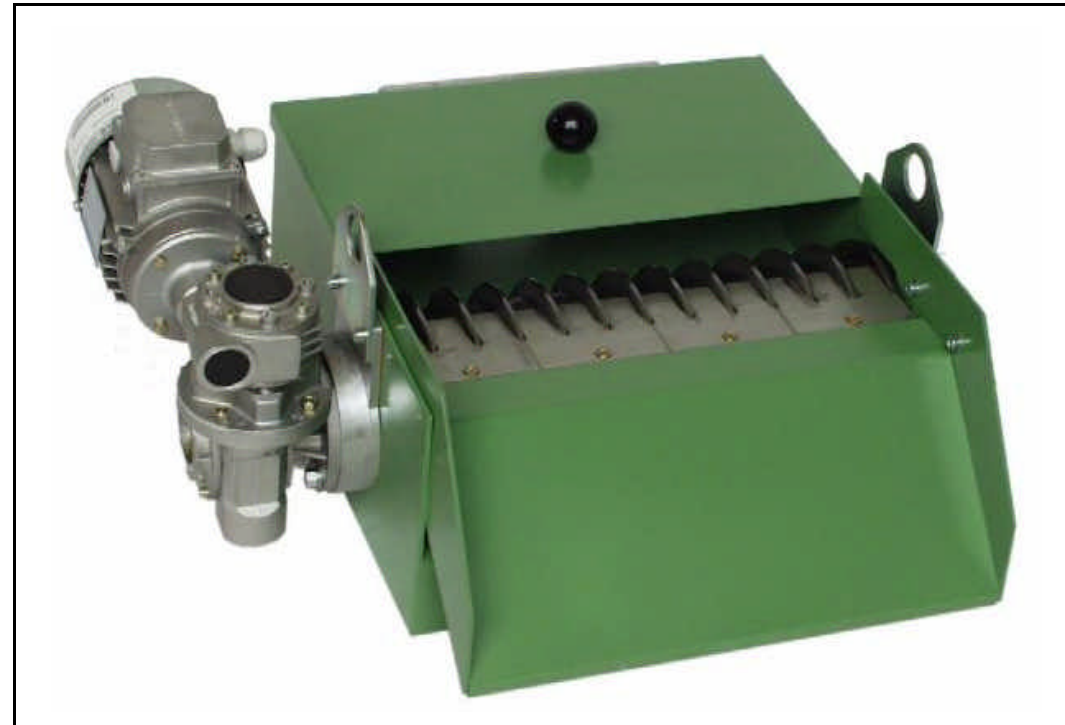
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A2E Environmental Solutions Ltd
Quality Imported Products, by
Our man in China & Your man in the UK



MagnaDrum Filter Model: FM-



*Fully automatic ~ Low running cost
Semi Dry sludge cake
Easy to install*

www.a2e-es.com

MagnaDrum Filter

Model: FM-

Design

The Magnetic Drum Filter continuously removes ferrous particles from the flow of liquid and deposits them into a sludge bin. The MagnaDrum is suitable for use with water based cutting coolants and most neat oils. This filter often works as a pre-filter to a Paper Band Filter. Variants exist to adapt different inlet position and heights.



Model	Flow rate (lpm)	Inlet height (mm)	Width (mm)	Length (mm)	Height (mm)	Motor Watt	Inlet Fittings (")
FM-50	100	100	360	450	300	90	1 1/4
FM-100	200	150	660	500	390	90	1 1/2
FM-200	300	145	600	390	280	120	2 1/2
FM-300	400	150	700	495	360	120	2 1/2
FM-500	600	130	960	500	295	150	3
FM-800	800	260	1295	500	360	150	N/A

Function

Dirty coolant flows into the filter inlet where the working principle is simple and automatic. Powerful magnets fill the core of the drum, which is partly immersed in the liquid. The magnetic field is transferred into the liquid flow by a series of steel discs, so that all liquid passes through the high intensity field and ferrous contaminants is drawn from the moving liquid and is attracted to the discs. The drum is cleaned continuously as it turns against combed scrapers and ferrous particles are deposited into the sludge bin below.

The clean coolant flows into the clean tank below, ready for the clean return pump to feed the machine tool.

Options: Mild Steel or Stainless Steel. Add a Paper Band filter underneath outflow for better filtration. Dirty Scavenge Pumping Station.

Applications

Suitable for Grinding & Honing on coolant lubrication, emulsions & cutting oil.



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