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MAGNETIC COOLANT CLEANERS

Description

Magnetic coolant cleaners are specialized magnetic separation systems designed to remove ferrous contaminants, swarf, shavings, and chips from coolant fluids used in machining and industrial processing. These units play a critical role in maintaining coolant quality, extending coolant lifespan, tool life, and improving overall machining performance and machining quality.

Utilizing high-strength magnetic elements, coolant cleaners continuously extract fine and coarse ferrous particles such as grinding swarf, chips, and metal fines from the coolant stream. As contaminated coolant passes through the system, magnetic particles are attracted and held to the magnetic surface, while clean coolant is recirculated back into the process.

Engineered for continuous operation, magnetic coolant cleaners are commonly installed on machines such as surface grinders, lathes, milling machines, and screw or bolt formers. Their efficient separation process reduces coolant contamination, minimizes wear on pumps and tooling, and improves surface finish on machined components.



Constructed from durable materials and designed for easy maintenance, these systems ensure long service life and reliable performance in demanding industrial environments. They offer a cost-effective solution for reducing coolant replacement frequency and lowering operational costs.

Ideal for industries such as metalworking, automotive manufacturing, engineering, and machining, magnetic coolant cleaners provide a dependable solution for maintaining clean coolant systems and improving production efficiency.

These units are also used for applications such as paint and enamel cleaning, as well as oil cleaning.

Key features:

- High-strength magnetic system for effective removal of ferrous particles Continuous cleaning of coolant, oil, paint, and more during operation
- Removes fine swarf, chips, and grinding dust efficiently
- Improves surface finish and machining accuracy
- Extends tool life and reduces equipment wear
- Reduces coolant replacement and disposal costs
- Durable construction for industrial environments
- Easy installation on various machining equipment
- Low maintenance with reliable long-term performance
- Suitable for a wide range of applications
- Available in various sizes and strengths to suit each application perfectly.

Specifications

Installation	Mounted on or integrated with existing equipment or lines
Magnetic Strength	1500 - 12000 Gauss options available
Construction	Heavy-duty stainless steel housing with internal magnetic drum/pulley
Design	Continuous magnetic separation system for various applications
Material Flow	Ideal for continuous or intermittent flow
Cleaning System	Automatic or continuous cleaning via rotating magnetic drum
Operating Temperature	20°C to 300°C depending on model
Application	Removal of ferrous contaminants from coolant systems, oil, and paint in systems
Industries	Metalworking, Automotive, Engineering, Manufacturing, Machining

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