

COOLANT FILTRATION



- Less wear & tear and maintenance of machines and equipment
- Improved coolant condition reduces coolant costs
- Increase productivity



COOLANT
FILTRATION



AIR FILTRATION



COOLANT
MANAGEMENT



CHIP
MANAGEMENT



BAR FEEDING

MOOR FILTERTECHNIEK IMPROVING YOUR BUSINESS



| COOLANT FILTRATION

Moor Filtertechniek supplies a wide range of filter solutions for filtering solids out of fluids, e.g. removing chips from coolant, and for separating different fluids, e.g. removing tramp oil from coolant. Other applications for which we provide an excellent solution include filtering fine solids resulting from hard-metal machining, purifying mains water, and filtration of washing water. Our filter solutions include local, central and mobile solutions. Several standard options for coolant filtration are described here.

BELT FILTERS

Belt filter systems are ideal for filtering chips out of coolants. Based on the kind of chips or other solids, the flow and the pore size, the best belt filter can be selected.

The models of belt filter that we supply are:

- Flat-bed
- Deep-bed
- Compact belt
- Vacuum belt

Some of the belt filter models can be supplied as a continuous belt.



FILTER PAPER

Moor Filtertechniek has a wide range of filter fabric of various types and sizes. The types are different in terms of material, production method, density and thickness, which combine to determine their permeability. The rolls of filter fabric are available in any width from 30 to 200 centimetres, and the standard lengths are 80, 100, 250 or 500 metres. The length is often limited by the maximum permissible roll diameter. The pore sizes range from 15 to 200 microns.

Selection of the filter fabric depends on the type of belt filter and the type of processing, processed material and coolant (emulsion/oil). A general classification is based on the type of belt filter and the size of chips: fine, medium or coarse.



INDUSTRIAL CENTRIFUGES

Centrifuges are very compact filter systems that guarantee optimum cleaning of the various fluids under practically all conditions. The filtered particle size is constant and not affected by the shape or adhesiveness of the particles.

Industrial centrifuges work on the basis of centrifugal force and do not use filtration aids, such as filter fabric.



CYCLONE FILTER

In a cyclone filter, fluid is introduced at a pressure of around 2 bar. Centrifugal force spins the solid particles to the outside of the cyclone, while the fluid collects in the centre. The cyclone's special shape causes the solids to sink downwards, and the clean fluid flows out at the top of the cyclone.



MAHLE FILTERS

High-pressure cooling systems need police filters to prevent damage in the pump. Moor Filtertechnik recommends and supplies the top-quality Mahle filters for these applications.

MOBILE SWARF VACUUM

The Freddy mobile fluid, filtration and vacuum systems are used for fast, thorough removal of chips and fluid from machine tool sumps, while simultaneously filtering the coolant.

Using the Freddy, or 'swarf vacuum', for servicing the machine tool and cleaning the coolant not only ensures more constant production and product quality, but also keeps the coolant in good condition.



Moor Filtertechnik: the perfect partner for solutions in your production process. Our specialists will advise on your specific questions, without obligation. Our service technicians are also on call to help you 24/7.

Moor Filtertechniek B.V.

Aartsdijkweg 23
2676 LE Maasdijk

Telephone +31 (0)174 51 50 50

Email info@moor.nl

Website www.moor.nl



ISO and VCA** certified



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