



FILTRATION SOLUTIONS

FROM MAYFRAN INTERNATIONAL

Trust Mayfran International to deliver the right technology for all of your filtration needs, from stand alone coolant filtration units to central coolant filtration systems, with years of experience designing and implementing filtration solutions in the most demanding applications.

At Mayfran we offer comprehensive project management and engineering resources to solve your unique challenges. Working with Mayfran, you'll realize...

- Reduced coolant costs and maintenance
- Increased scrap value
- Increased machine uptime
- Improved parts finish
- Increased tool life
- Meeting stringent environmental regulations

INDUSTRIES:

Automotive, aerospace, metalworking, agriculture, medical, recycling and more.

APPLICATIONS:

Machining, parts washing, surface finishing, forming, cooling and quenching, metal scrap handling.

CENTRAL COOLANT FILTRATION SYSTEMS

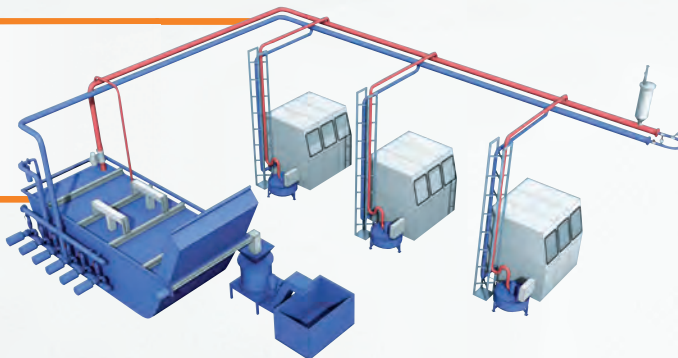
Mayfran's central coolant filtration systems consist of a centrally located filtration unit, coolant and chip return system, and a coolant supply system, designed and implemented with your needs in mind. Coolant is supplied to each machine through an overhead piping network, while coolant and chips are captured at the machines and returned to the central filter for filtration and chip removal.

Coolant Filtration Unit Options:

- Vacuum filters
- Hydrostatic drum filters
- Engineered systems
 - Application-specific
 - Customer-driven

Coolant and Chip Return System Options:

- Pump backs
- Lift conveyors
- Coolant return headers



QUALITY, BUILT IN.

COOLANT FILTRATION UNITS

Mayfran offers a range of gravity, vacuum and pressure filtration units that deliver outstanding value in a variety of applications.

VACUUM FILTERS



VacuFilter® V-Series

Mayfran's VacuFilter V-Series is an efficient, pre-engineered, modular coolant filtration system that delivers outstanding reliability and value, allowing customers to select from different types of media depending upon coolant clarity requirements. Its design is based on proven vacuum media filter technology, which has served the coolant filtration market reliably for decades.

The V-Series is available with high-pressure delivery packages and temperature control equipment to meet the demands of modern machining, including surface finishing machines.



VacuFilter® E-Series

Mayfran's VacuFilter E-Series is a custom-engineered, high-flow coolant filtration system. The E-Series' design enables users to select from different types of media and allows it to be used at the machine or as part of the central coolant filtration system. The E-Series is well-suited to customers using multiple machines with common fluid filtration requirements and is available with disposable media or a permanent media option.

Supplemental options include temperature control equipment, spent media winder, and process fluid monitoring and control to meet the demands of today's high-volume machining facilities.

COOLANT AND CHIP RETURN SYSTEMS

Mayfran coolant and chip return systems help improve overall filtration efficiency, with versatility and customizability to match a variety of applications in numerous industries.



Pump Back System

Mayfran offers a range of pump backs to fit any machining application and material type. Systems are custom-designed for your specific needs and are ideal for confined areas where individual chip hoppers aren't practical or where remote-location chip collection can deliver more efficiency.

GRAVITY (HYDROSTATIC) FILTERS



Hydrostatic Paper Filter (HPF)

Mayfran's HPF is a deep-bed gravity filter available in multiple sizes to match your application. It's a cost-effective solution for efficient removal of particulate from a process solution. HPF uses disposable media to filter particulates from process fluid, delivering excellent fluid clarity and exceptional value.

Various options are available to enhance the operational performance and meet the increasingly stringent requirements of modern machine tools, including high-pressure delivery packages and temperature control equipment.



Hydrostatic Drum Filter (HDF)

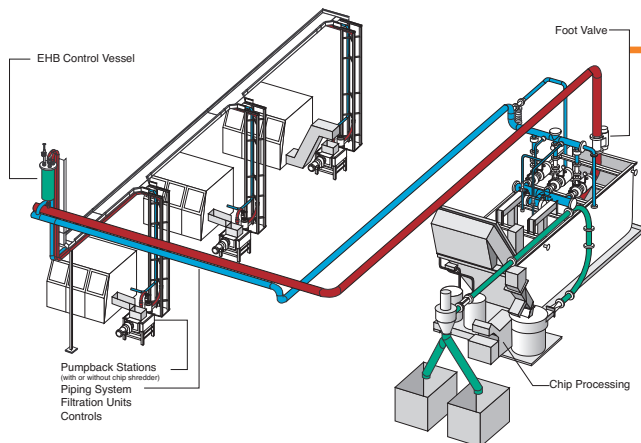
Mayfran's HDF features a proven design that eliminates the need for filter replacements. The HDF is a cost-effective, pre-engineered, modular unit, adding value to a variety of applications. The permanent media of the HDF is now available in standard clarity level and the new premium clarity level to meet the demands of modern machining.

It's the perfect balance between performance and value and is well-suited to machining and aqueous parts washing.



Low-Profile HPF (HPF-LP)

Mayfran's HPF-LP is the low-profile version of the HPF filter, with many of the same features and benefits. The HPF-LP's design makes it ideal for low-discharge-height machines and offers better filtration than a traditional flatbed paper filter.



Viavent® Coolant Return System

Mayfran's Viavent Coolant Return System is a customizable, closed-loop overhead return system that transports chips and coolant from a machine to a central coolant filtration system. The modular design provides maximum flexibility for initial installation, as well as for future expansion, without the need for additional coolant for flushing. The Viavent system requires no slope in the return piping, making it ideal for long return runs and low ceilings.

CHIP PROCESSING

Mayfran chip processing solutions, together with a Mayfran coolant filtration system, deliver further cost and maintenance savings. Plus, you can more effectively dry chips, reduce chip volumes and condense chips into manageable sizes for increased scrap value.

Turnings Crushers and Shredders

Mayfran turnings crushers and shredders are often the first step in a chip handling and processing system to reduce turnings size and enable proper processing or transport, especially by way of overhead systems. Mayfran turnings shredders also provide value as a potential stand-alone solution to reduce volume and transportation costs associated with metal scrap.

Chip Wringers

Mayfran chip wringers (chip centrifuges) efficiently dry chips from machining, allowing for rapid payback on investment while simultaneously meeting ever more stringent environmental regulations.



**WE NEVER
WALK AWAY
FROM A
PRODUCT.**

Mayfran International backs all its products and systems with unmatched aftermarket support throughout the system's lifetime. That's a promise we make to every customer.

QUALITY, BUILT IN.

ABOUT MAYFRAN INTERNATIONAL

Mayfran is your single-source designer, manufacturer and project manager for any conveyor system need. We're here to help across markets in ways that are cost-effective, technologically advanced, operationally safe and environmentally responsible.

Founded in 1933, Mayfran is the world's leading manufacturer of specialized conveyor and processing systems for numerous global industries. Mayfran joined the Tsubakimoto Chain Group as a wholly owned subsidiary in 2012. Celebrating its 100th anniversary in 2017, Tsubakimoto Chain is the global leader in power transmission and materials handling with over 7,500 employees in 24 countries worldwide.



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