

Filterveyor®

Single and dual stage permanent drum media filtering conveyor

Effectively combines advanced chip removal and coolant filtration down to 50 microns nominal.



FEATURES

- 1.5" and 2.5" pitch sizes available
- Engineered to meet specifications for length and width to ensure a proper fit
- Self-cleaning drum via internal spray bar continuously cleans the filter media – no consumables
- Single Stage Filterveyor® design incorporates one drive and is used to filter broken and fine chips or swarf sludge. (Uses a Drag Flight conveyor)
- Dual Stage Filterveyor® design features dual drives and is used to filter bushy, stringy and high chip loads. (Uses a primary metal belt and a secondary Drag Flight conveyor)

OPTIONS

- FlexForce - high pressure coolant pump
- PermaClean tank
- Load section or pump-to option (single stage)
- Complete electrical /controls
- Pumps/plumbing/coolant transfer
- Downstream filtration
- Additional accessories (tramp oil skimmers, coolant chillers, air knives and more)

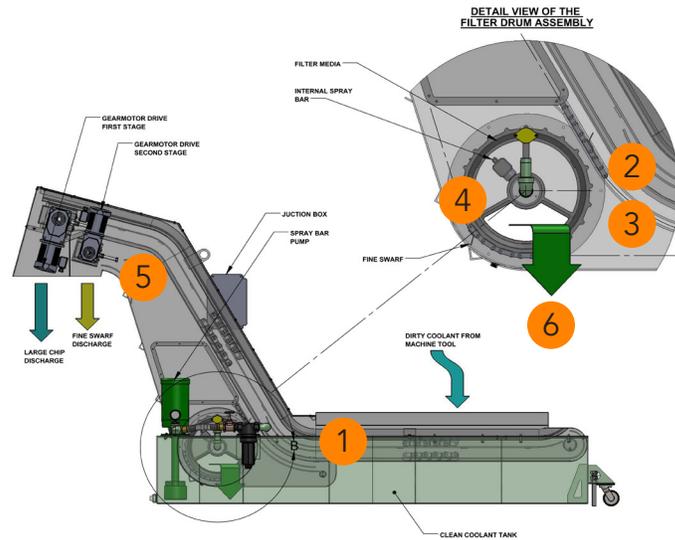
BENEFITS

- Filterveyors can handle very high chip volumes
- No consumables in the system – helps meet environmental standards and cost savings
- Self-cleaning drum filter system for maintenance free operation, extended coolant life and less downtime
- Drop in design for existing coolant tanks/systems
- Can provide efficient filtration of fine chips to 50 micron nominal*
- Capable of providing filtration to multiple machines

**Filtration performance is dependent on many factors and can vary based on specific application characteristics. Please contact Jorgensen Conveyors to discuss what Filterveyor® design will best meet your application needs.*

APPLICATIONS

Designed to manage multiple material types including difficult to handle fines and broken chips, bushy or stringy chips, as well as high volumes of chips. Best for steel, aluminum, brass and many other materials, filtration to 50 microns nominal.



Watch a video of the **Filterveyor®** in action:
<https://youtu.be/VkpyZg2I25A?t=77>



HOW IT WORKS - Dual stage

1. In the first stage of filtration, a hinged belt conveyor contains and discharges the mid to larger chips from dirty coolant
2. In the second stage, permanent filter media traps the fine chips and swarf inside a rotating drum.
3. Fine chips and swarf from dirty coolant are captured on the inside of a rotating drum
4. An internal spray bar continuously cleans the chips and swarf off the drum filter
5. Drag flight conveyor cleats collect these chips and carry them out of the discharge end of the Filterveyor
6. Clean coolant flows from the drum into a tank for reuse or recycling

Single stage Filterveyors work in a similar manner, but do not have the first stage hinged steel belt to remove mid to larger chips.

Customizable options available for cost effective coolant and chip management solutions.

Check out our website for a complete product list and more information.

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