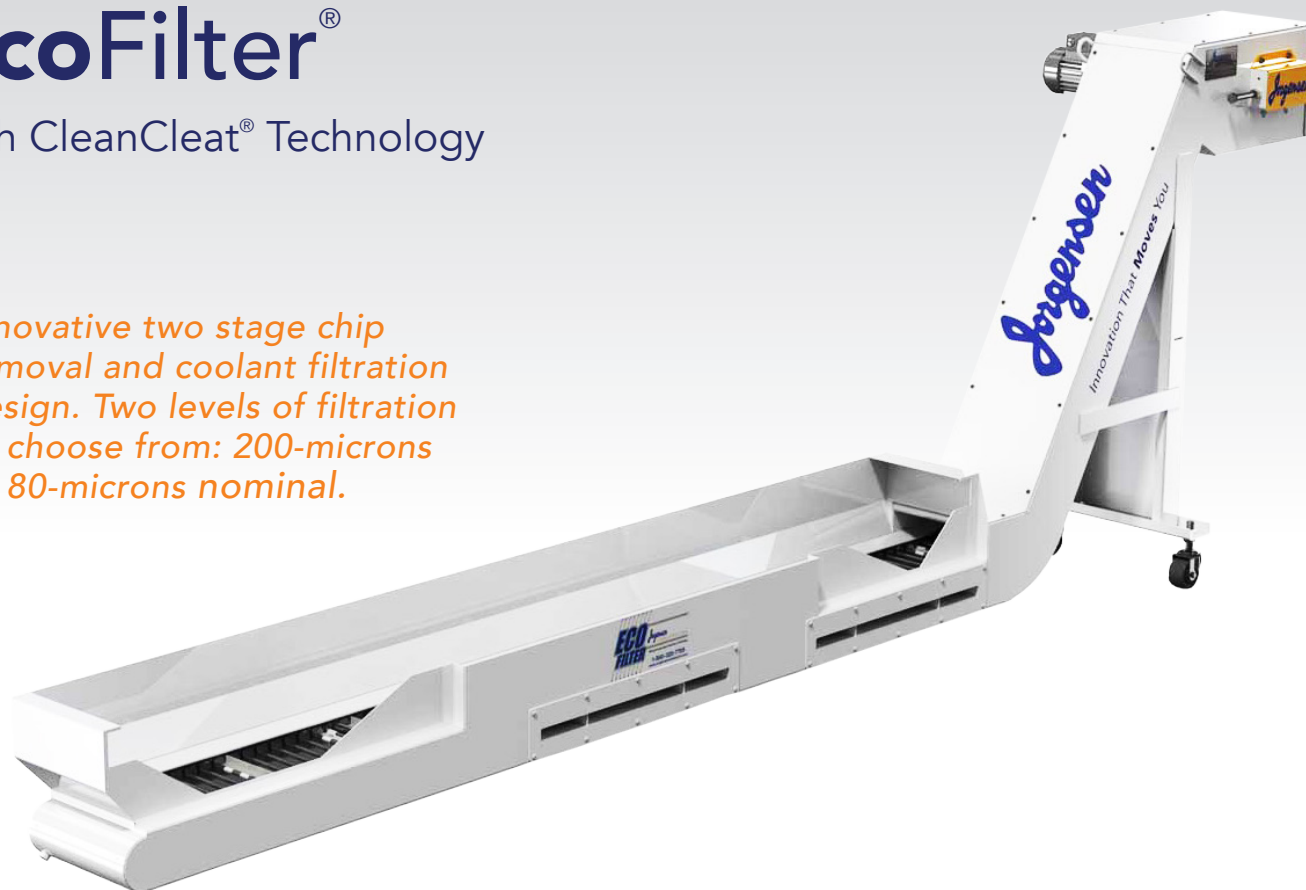


EcoFilter®

With CleanCleaT® Technology

Innovative two stage chip removal and coolant filtration design. Two levels of filtration to choose from: 200-microns or 80-microns nominal.



Dramatically reducing the number of chips that migrate to a machine tool coolant tank, the **EcoFilter** is the first economical, non-drum style chip conveyor providing filtration below 100-microns nominal.

FEATURES

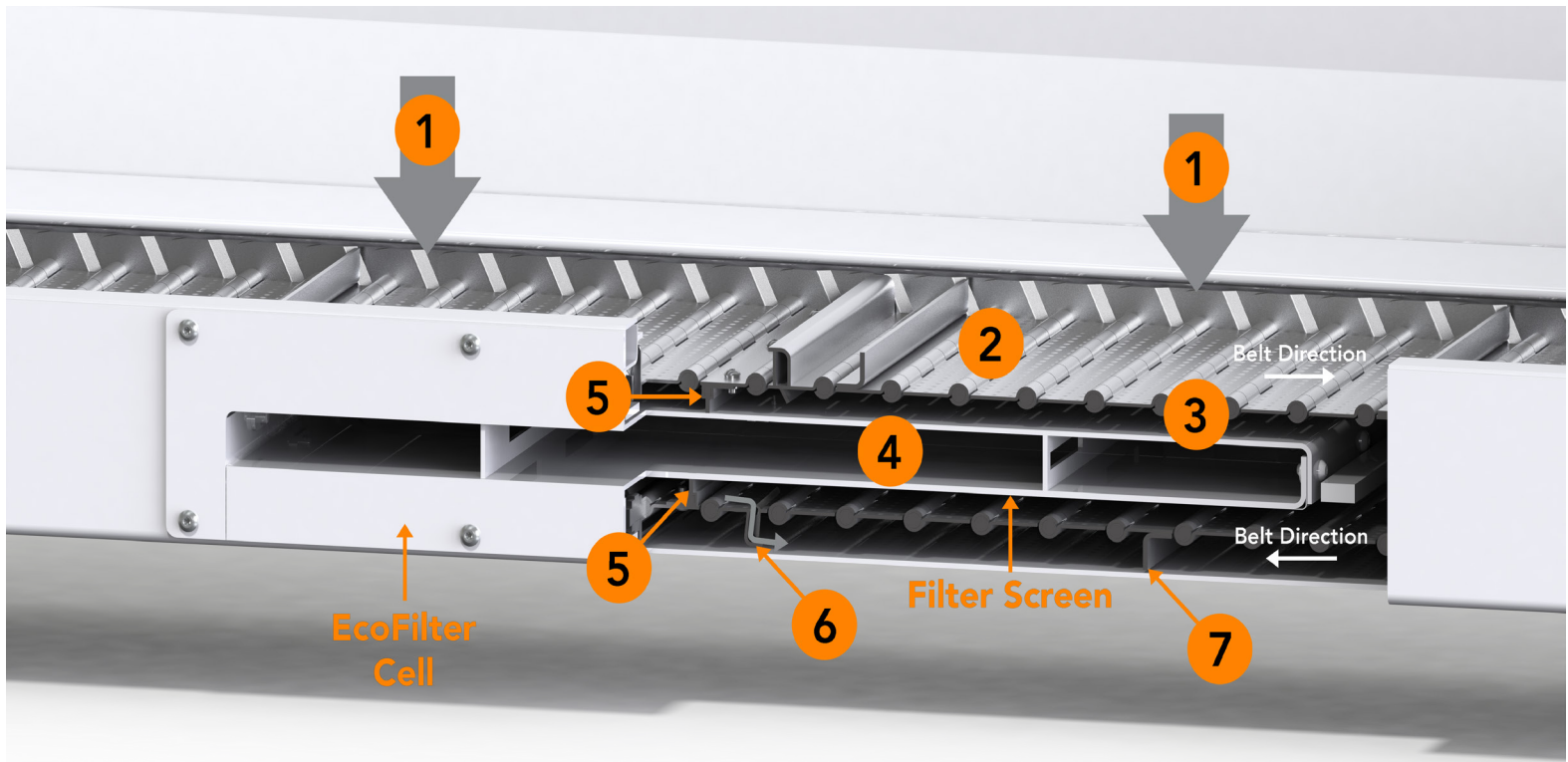
- Primary chip removal via hinged belt or scraper belt conveyor
- Secondary fine chip removal via internal filter cell(s) located between the primary conveyor belt
- Filter cells are easily removable for periodic preventive maintenance (see note below)
- Accommodates a broad coolant flow rate range via flexible filter cell sizing and media options
- Self-cleaning system – no consumables
- Fits existing small to midsize machining center and lathe envelopes
- “EcoFilter-Ready” conveyor is field-convertible to EcoFilter® with simple field retrofit kit

Note: While the Jorgensen EcoFilter system employs brushes for on-going automatic filter cell cleaning during normal operation, periodic removal of the filter cell(s) for manual cleaning of entrapped chips on the filter element is recommended. Frequency of cleaning will vary depending on your specific application. See the EcoFilter Operator Manual for suggested cleaning methods.

BENEFITS

- Based on your application: Efficient filtration of fine chips to 200 micron nominal using EcoFilter 200® at over 98% efficiency* and 80 micron nominal using EcoFilter 80® at over 97% efficiency*
- EcoFilter® conveyors accommodate a broad coolant flow rate range via flexible filter cell sizing.
- Less chip migration to clean coolant supply tank results in less machine downtime to clean tank
- Improved pump, tooling and coolant life
- Improved part finish and accuracy
- No consumables in the system – environmentally friendly
- Self-cleaning system for separated fine chip removal means more machine uptime productivity
- Single drives used for reduced energy consumption

* Third-party tested



HOW IT WORKS

1. Chips and coolant enter the conveyor's load section.
2. Large chips and/or stringers are carried out by the hinged or scraper belt.
3. Coolant and fine chips flow to the section in between the runs of belt, where the EcoFilter cells are located.
4. Fine chips are separated as the coolant passes through the filter cell. Clean filtered coolant flows from the inside of the filter cell, out of the side of the conveyor and into the coolant tank.
5. Brushes continuously wipe fine chips from the surface of the filtration cell, keeping the cell clean for coolant to pass through.
6. Filtered chips exit in between the runs of belt through the bottom run via CleanClea® system, finding their way to the bottom of the conveyor casing.
7. Fines that migrate to the bottom of the casing are scraped up and around to the top run of belt, where they are finally discharged.

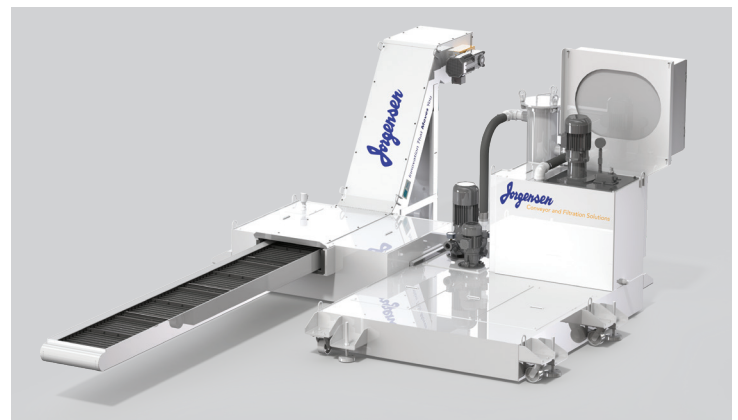
Check out our website for a complete product list and more information.



Website: www.jorgensenconveyors.com
Email: info@jorgensenconveyors.com
Phone: 262-242-3089

MODELS/OPTIONS/LEVELS

- **EcoFilter-Ready** conveyor is field-convertible to EcoFilter® with simple field retrofit kit. Most of our standard conveyors can be designed as EcoFilter-Ready and upgraded to EcoFilter® at a later date.
- **EcoFilter 200** Our standard EcoFilter® for applications requiring 200-micron filtration or as an initial filtration option to a complete system.
- **EcoFilter 80** Our enhanced filtration EcoFilter® for applications requiring 80-micron filtration or as an initial filtration option to a complete system.



For more coolant management options, Jorgensen can also provide EcoFilter enhanced complete filtration systems