

EcoFilter®

With CleanCleaT® Technology

*Innovative two stage chip removal
and coolant filtration design.*



Available on Hinged Steel Belt, Drag Flight, Mag-Drag®, and MunchMan® conveyors.

FEATURES

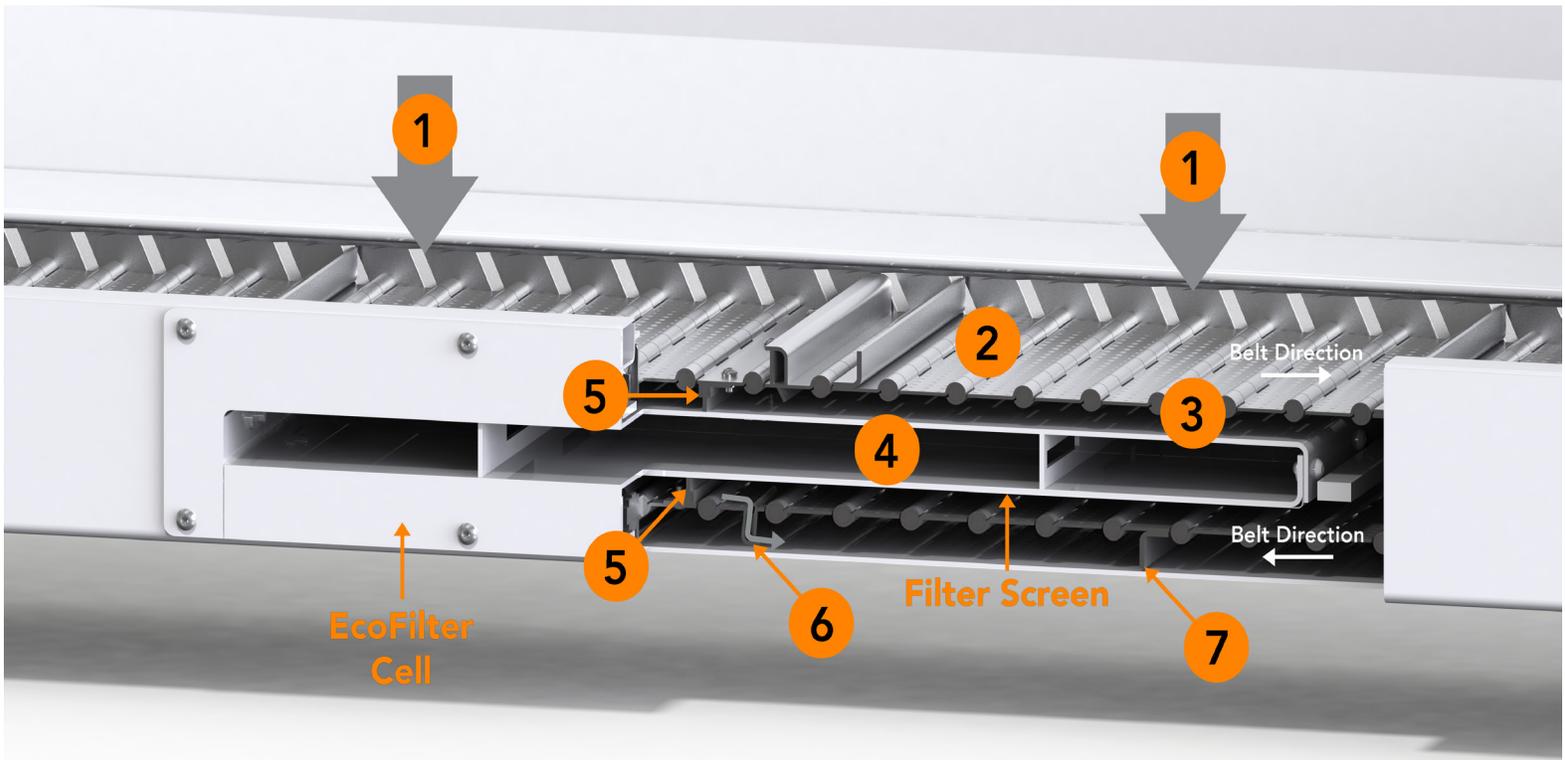
- Primary chip removal via hinged belt or scraper belt conveyor
- Secondary fine chip removal via internal filter cell(s) located between the primary conveyor belt
- Filter cells are easily removable for periodic preventive maintenance
- Self-cleaning system – no consumables
- Fits existing small to midsize machining center and lathe envelopes
- Single drives used for reduced energy consumption

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.

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
- Accommodates a broad coolant flow rate range via flexible filter cell sizing and media options

* Micron clarity levels and efficiencies are third-party tested and approved



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.

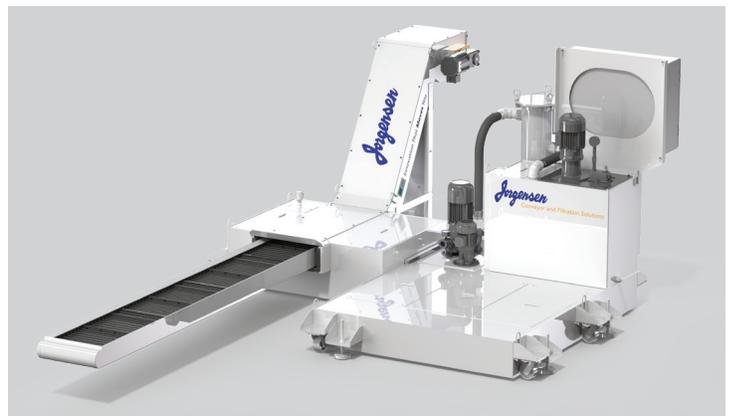
Check out our website for a complete product list and more information. To place an order, contact our sales representatives at the email address or phone number below.



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

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 additional coolant management options, integrate EcoFilter with complete FlexFiltration systems