

EcoFilter[®]

With Patent-Pending CleanCleave[®] Technology



An innovative two stage chip removal and coolant filtration design!

FEATURES

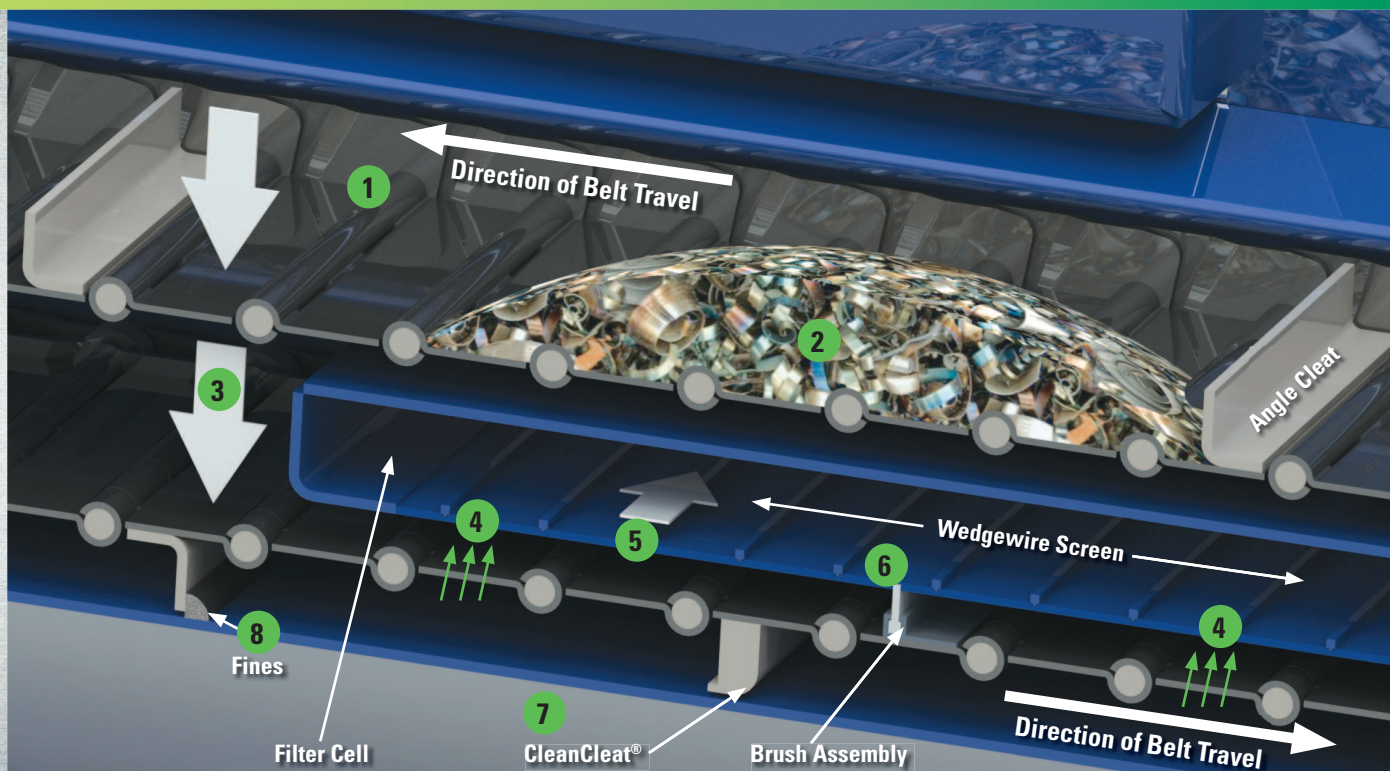
- Primary chip removal via hinged belt
- Secondary fines removal via wedgewire filter cell
- Removable filter cells for easy maintenance
- Accommodates Large coolant flow rate range via filter cell options
- Self cleaning system — no consumables
- Fits existing small to midsize machining center and lathe envelopes easily
- Flexible filtration options down to 250 microns

BENEFITS

- Less chip migration to coolant tank means less tank clean out/downtime
- Improved pump, tooling and coolant life
- Improved parts finishes/accuracy
- No consumables in system — environmentally friendly
- Patent-pending self cleaning system for separated fines means more machine uptime productivity
- Single drive for reduced energy consumption

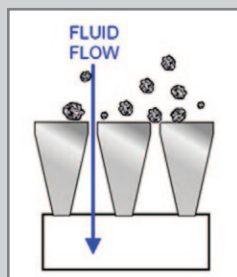
The EcoFilter[®] is a competitively priced conveyor and filtration system for entry level and mid-priced turning and machining centers!

Jorgensen
CONVEYORS, INC.

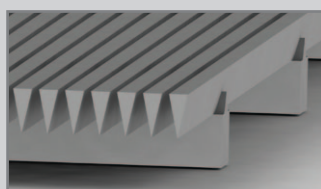


HOW IT WORKS

1. Coolant and chips enter conveyor
2. Large chips are carried out on primary hinged belt conveyor
3. Coolant and fines flow to section between the runs of belt
4. Fines are separated from the coolant via coolant flow through the underside wedgewire panel of the filter cell
5. Clean coolant flows out the conveyor to machine sump from the filter cell
6. Brushes wipe fines from surface of wedgewire
7. Filtered fines are able to positively exit the bottom run of the hinged belt to the bottom of the conveyor via patent-pending CleanCleat® system
8. Separated fines settle to the bottom of the conveyor where the belt cleats scrape them back around to the top run of the belt for discharge



Exploded view



3D view of wedgewire surface

- Wedgewire is a durable/proven filtering media for metal cutting machine tool chip removal and coolant filtering
- Wedgewire is very effectively cleaned by passing brushes to maintain coolant flow-through
- Occasional entrapped particles push through the wedgewire gaps as they open to avoid clogging and maintain coolant flow



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