CONVEYOR SELECTION GUIDE

MATERIAL				STEEL OR STAINLESS STEEL			CAST OR DUCTILE IRON		BRASS	COM-POSITE	ALUMINUM	
Class	Conveyor Model	Nominal Filtration	Filtration Type	Short and/or Nested Chips	Short Chips	Grinding Sludge (small fines)	Short Chips	Long Strings	Short Chips	Small Fines	Short Chips	Long Strings
Standard Conveyors	Hinge Belt Conveyor	-	-	Good	Good	Fair	Fair	Fair	Good	✖	Fair	Good
	CleanSweep-RM	250 micron	Screen Box	Better	Better	Fair	Good	Good	Better	✖	Better	Better
	CleanSweep G2	150 micron	Screen Box	Better	Better	Fair	Good	Good	Better	✖	Better	Better
	Drag Conveyor	-	-	✖	Good	Fair	Fair	✖	Good	✖	Fair	✖
Separator Conveyors	MagSep®	98% by weight	Magnets	✖	✖	Better	Best	✖	✖	✖	✖	✖
	CS1	50 micron	Drum Filter	✖	Best	Good	Better	✖	Best	✖	Best	✖
	ConSep® 2000 II (single belt)	50 micron	Drum Filter	Best	Best	Good	Better	Better	Best	✖	Best*	Best
	ConSep® 2000 (dual belt)	50 micron	Drum Filter	Best	Best	Good	Better	Better	Best	✖	Best	Best
	ConSep® Flex (dual belt)	50 micron + 98% by weight	Drum Filter + Magnets	Best	Best	Better	Best	Best	Best	✖	Best	Best

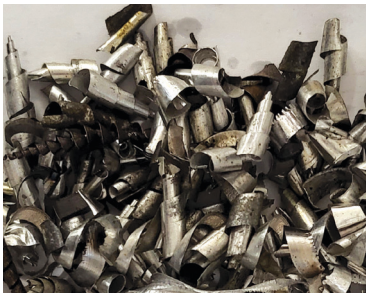
✖ Not recommended

Contact Mayfran for more information

NOTES: 1) The selection chart assumes chips will be processed with water-soluble coolant. 2) Short chips are defined as chips less than 2" in length that do not ball up. 3) Hard turn package is available when machining a hard or abrasive material. 4) Contact Mayfran for information regarding dry chip processing.

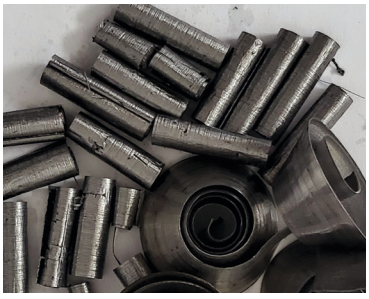
*For high chip or coolant volume applications for this material and chip type, Mayfran recommends the dual-belt ConSep 2000 in lieu of the ConSep 2000 II.

Aluminum Short
Short milling, turning, needle-like chips and fines



Aluminum Large
Large milling, drilling and turning chips

Steel Short
Short and fine chips



Steel Large
Large milling and turning chips

Nested Chips
Stringy and balled-up chips

Alloy Blue Chips
Alloy-grade work-hardened materials

Cast and/or Ductile Iron
Milling, turning, drilling and ferrous fines

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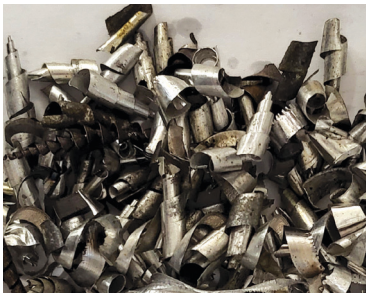
FILTRATION SELECTION GUIDE

Material				Steel, Stainless Steel, Iron, Aluminum or Other Alloys			Mild Steel, Cast Iron	Steel	Composite	Aluminum
Application				Grinding	Super Finishing	Parts Washing, Quenching, Induction Hardening and Drawing	Honing	Deep Hole Gun Drilling	Machining	High-Speed Milling
Barrier Filters	Drum Filter	50 micron	Endless Belt	✖	✖	Good	✖	Good	✖	✖
	HPF	20-50 micron	Paper	Good	Good	Better	Good	Better	Better	Better
	HPF-LP	20-50 micron	Paper	Good	Good	Better	Good	Better	Better	Better
	VacuFilter	10-30 micron	Paper	Better	Better	Best	Better	Best	Best	Best
	Pressure Filter	8-20 micron	Endless Belt/ Disposable Media	Best	Best	✖	Best	✖	✖	✖
Separation Filters	AT-Cleaner	Down to 10 micron	Centrifuge	Good	Good	📞	Good	📞	✖	📞
	Bar Mag	20 micron	Magnet	Good [5]	Good [5]	📞	Good [5]	📞	✖	✖
	SSAT	Down to 10 micron	Magnet/ Centrifuge	Better	Better	📞	Better	📞	✖	✖

✖ Not recommended
📞 Contact Mayfran for more information

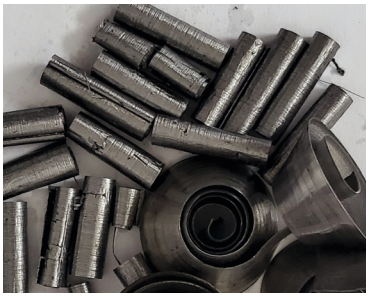
NOTES: 1) The selection chart assumes chips will be processed with water-soluble coolant or straight oil. 2) Bulk material must be removed before filtering. 3) Consult Mayfran for final application selection. 4) Water-soluble coolant only. 5) Ferrous material only.

Aluminum Short
Short milling, turning, needle-like chips and fines



Aluminum Large
Large milling, drilling and turning chips

Steel Short
Short and fine chips



Steel Large
Large milling and turning chips

Nested Chips
Stringy and balled-up chips

Alloy Blue Chips
Alloy-grade work-hardened materials

Cast and/or Ductile Iron
Milling, turning, drilling and ferrous fines

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