



TURBO MS500 CHIP CONVEYOR

FILTERING CHIP CONVEYOR

Filtration down to 500 microns

Mixed Materials
Fine Chips

Dedicated Materials
Cast Iron
Brass

Ferrous Materials
Fine Chips
Aluminum



YOUR "ONE-STOP-SHOP"
FOR MACHINE-TOOL PERIPHERALS



Economy Plus Filtration

The Turbo MS500 is our most economical chip conveyor incorporating coolant filtration, to 500 microns nominal. The Turbo MS500 handles medium to light chip loads including brass, steel, cast iron and aluminum. This conveyor is ideal for chips from most casting applications and processes most materials with good chip control.



Maintenance Free Coolant Filtration

Many of today's value priced machine tools require filtering conveyors. The Turbo MS500 was designed as a low cost, low maintenance conveyor to solve this application need.

Coolant and chips flow from the machine into the watertight frame of the Turbo MS500. Filter boxes, strategically located along the conveyor load section, allow the coolant to escape into the machine sump providing 500 micron filtration. Brushes attached to the conveyor's scraper bars provide a self cleaning method to wipe contaminants from the boxes as the conveyor belt advances for maintenance free coolant filtration.



Coolant Flow and Filtration

Coolant flow ranges greatly from machine to machine and the flexibility of the Turbo MS500 can handle most applications.

Each filter box is automatically cleaned during normal conveyors operation. Coolant flow and optimal filtration is assured. By adding or deleting filter boxes, coolant flow is adjusted to the requirements of the maximum machine flow rate.



Minimal Coolant Loss =

Cost-Effective, Environmentally Friendly Operation

Coolant loss is a common problem caused by conveyor belt carry out and wet chips dropping from the conveyor. Special design considerations were taken into account on the Turbo MS500 to eliminate wet chips.

The chip discharge area offers a special design to ensure dry chips drop into the chip hopper. An angled shelf provides time for the chips to drain until the next scraper forces more chips onto the shelf, pushing the initial load into the hopper. Less coolant loss and post processing of the chips are the obvious advantage.



Compatible for Numerous Machine Designs

Many machine designs have low discharge points for chip and coolant flow. Is the Turbo MS500 useable for these applications?

Low profile frame designs are available for situations where the coolant and chip discharge are low to the floor increasing the number of machine designs the Turbo MS500 is suitable for.



Designed For Production Efficiency

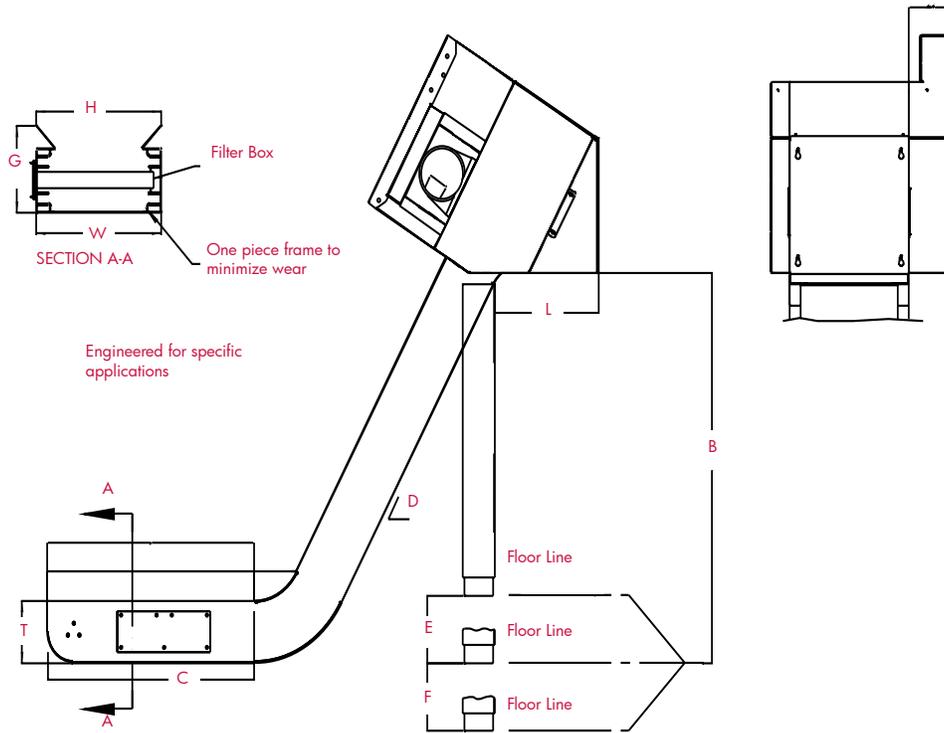
Inexpensive parts, such as aluminum investment castings, create small chips which are hard to keep out of machine sumps. Expensive filtering conveyors are hard to justify because of the low cost of these parts.

The scraper conveyor design of the Turbo MS500 provides an excellent method of removing small broken chips in a medium to light chip load. The low conveyor investment makes this an ideal choice for small VMC and drilling and tapping machining centers. Materials like aluminum, brass and cast iron are ideal applications.



TURBO MS500 CHIP CONVEYOR

TECHNICAL SPECIFICATIONS



TURBO MS500 CONVEYOR FRAME DIMENSIONS (mm)

Variable	Description	Dimension
W	Width	250-500 50 MM Inc's
T	Height	130.81
L	Leg Location	356.87

SPECIFICATIONS

Variable	Description	Dimension
A	Belt width (BW)	
B	Discharge height above floor	
C	Horizontal section length	
D	Incline angle	•60
E	Horizontal section below floor	
F	Horizontal section above floor	
G	Baffle height (max.)	
H	Baffle width (max.)	
I	Width (under conveyor)	

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LNS provides a full range of barfeeders, chip conveyors, coolant management systems, air filtration systems, and workholding systems that is second to none on the market. We are known in the industry for the solid experience we have gained over several decades in an exceptionally wide range of applications, our excellent customer service, and our technical support. This support is ensured by highly qualified technicians who are available throughout North America.



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