



TURBO MF2

FILTERING CHIP CONVEYOR

MIXED SHAPE: FINE, COARSE OR STRINGY CHIPS
MIXED MATERIAL, BEST FOR ALUMINIUM AND BRASS
FILTRATION DOWN TO 50µM



YOUR ONE-STOP-SHOP
FOR MACHINE-TOOL PERIPHERALS



THE MOST VERSATILE CHIP CONVEYOR

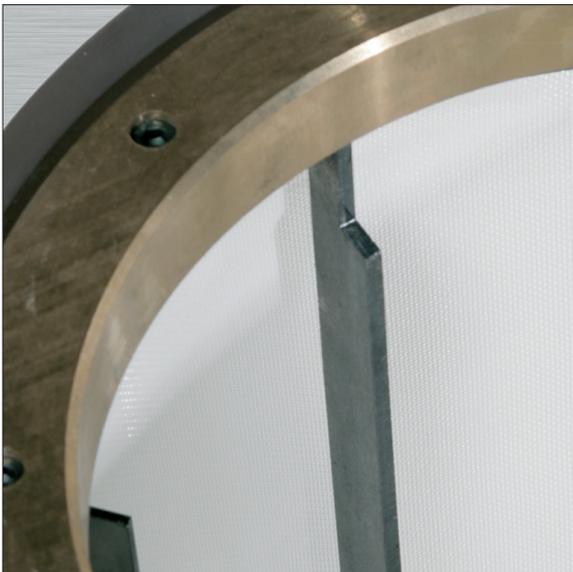
The Turbo MF2 will handle most type of chip material, most type of chip load and most chip geometry including fines, broken and stringy chips, all while providing filtered coolant to keep the machine tank clear of chips.



DUAL PURPOSE CONVEYING

Heavy chip removal of all sizes with filtration is essential to keeping your production running efficiently.

The Turbo MF2 is designed and built to take on the toughest chip removal jobs and simultaneously provide superior filtration. The Turbo MF2 is a dual conveyor design. The upper conveyor is a hinge belt type, the lower conveyor is a scraper type which removes the fines and small chips trapped in the lower conveyor. Coolant flows up to 570 L/min (depending on your machine design) can be accommodated with the standard filter drum design. The Coolant tank is configured to the machine requirements.



LARGE CAPACITY COOLANT FLOW

Modern machine tool designers have greatly increased the need for coolant volume. Cutting tools and chip flow require an ever increasing need for this coolant flow.

LNS's Turbo MF2 was designed with the increase in coolant flow in mind. Large diameter filter drums provide coolant flow of up to 570 L/min matching the needs of high flow pumps to any machining requirement.



SELF CLEANING, HASSEL-FREE FILTRATION

Performance machine tools are only making money when they produce parts. High level filtration with the Turbo MF2 is the best way to reduce tank cleaning and indirect labor associated with this.

The self cleaning filter drum located in the lower conveyor is protected from heavy chips by the upper conveyor and is designed with a very fine filter material which traps particles greater than 50 microns keeping all fine chips out of the coolant tank. The filter drum seal is a unique design incorporating Viton seal material and a metal pre-seal. The metal seal prevents chips from damaging the softer Viton material. The combination of these two seals creates a seal impervious to chip contamination, coolant degradation and wear.

The drum rotates and is sprayed with clean coolant providing self-cleaning. The scraper conveyor removes the fines and small chips trapped in the lower conveyor. Clean, filtered coolant is returned to the machine sump assuring maximum tool life and extended coolant life while minimizing tank cleaning.



VERSATILITY

Today's machines are capable of combining a wide variety of machining processes. Heavy chip loads from high horse power roughing cuts combined with very fine finishing create a wide range of chip loads and chip types from the same machine.

The upper conveyor separates heavy chip loads from the coolant stream. This conveyor efficiently removes chunks, stringy, bushy and large chips and is ideal for multiple material applications. Any small chip or particle passing through the upper conveyor is trapped in the lower filtering conveyor. High speed aluminum machining is one of the many applications ideal for the Turbo MF2.

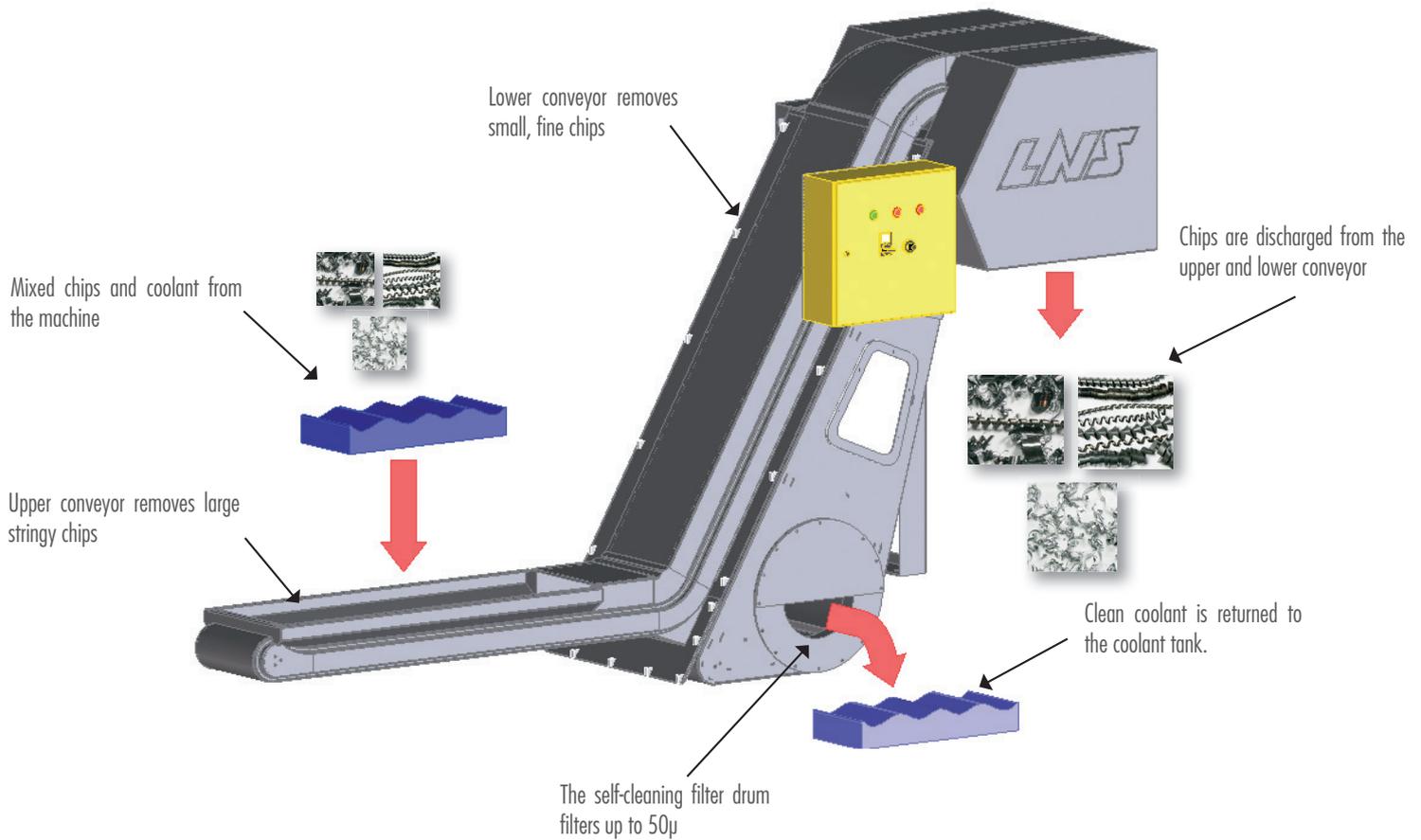


SERVICEABILITY

The Turbo MF2 is designed for easy maintenance.

The lower conveyor is a scraper-type, ideal for removal of small particles carried through the upper conveyor. Fines trapped by the filter drum are deposited on the incline. Easy access to the drum improves maintenance and assures maximum uptime.

TURBO MF2



YOUR ONE-STOP-SHOP FOR MACHINE-TOOL PERIPHERALS

LNS provides a full range of bar feeders, chip conveyors, coolant management systems and air filtration systems which is second to none on the market. We are known in the industry for the solid expertise we have gained over several decades in an exceptionally wide range of applications, our excellent customer service and technical support. This support is ensured by highly qualified technicians who are available at key locations throughout Europe.



LNS SA
Route de Frinwillier
2534 Orvin
Switzerland

+41 32 358 02 00
LNS@LNS-europe.com
www.LNS-europe.com