

# Turbo MF2/MF3

Filtering chip conveyor to 50µm

Your best choice for:

Mixed-shape,  
Fine, coarse or stringy



Mixed material,  
best for aluminium  
and brass



# LNS



LNS A MEMBER OF NUGEROL HOLDING SA



### The most versatile chip conveyor

The Turbo MF2/MF3 will handle any type of chip material, any type of chip load and any chip geometry including fines, broken and stringy chips, all while providing filtered coolant to keep the machine tank clear of chips.

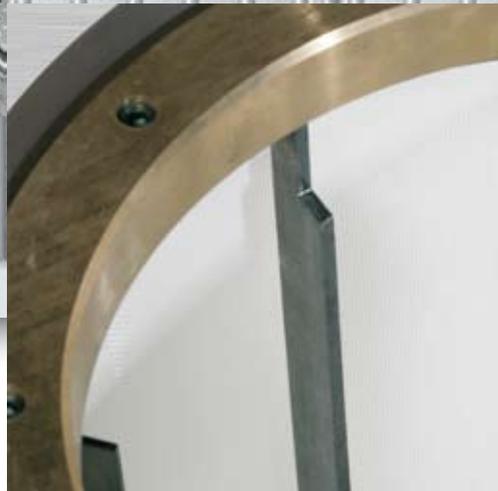
### Dual purpose conveying

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



### 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.



The Turbo MF2/MF3 is designed and built to take on the toughest chip removal jobs and simultaneously provide superior filtration. The Turbo MF2/MF3 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.

LNS's Turbo MF2/MF3 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/MF3 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/MF3.

### Serviceability

The Turbo MF2/MF3 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.

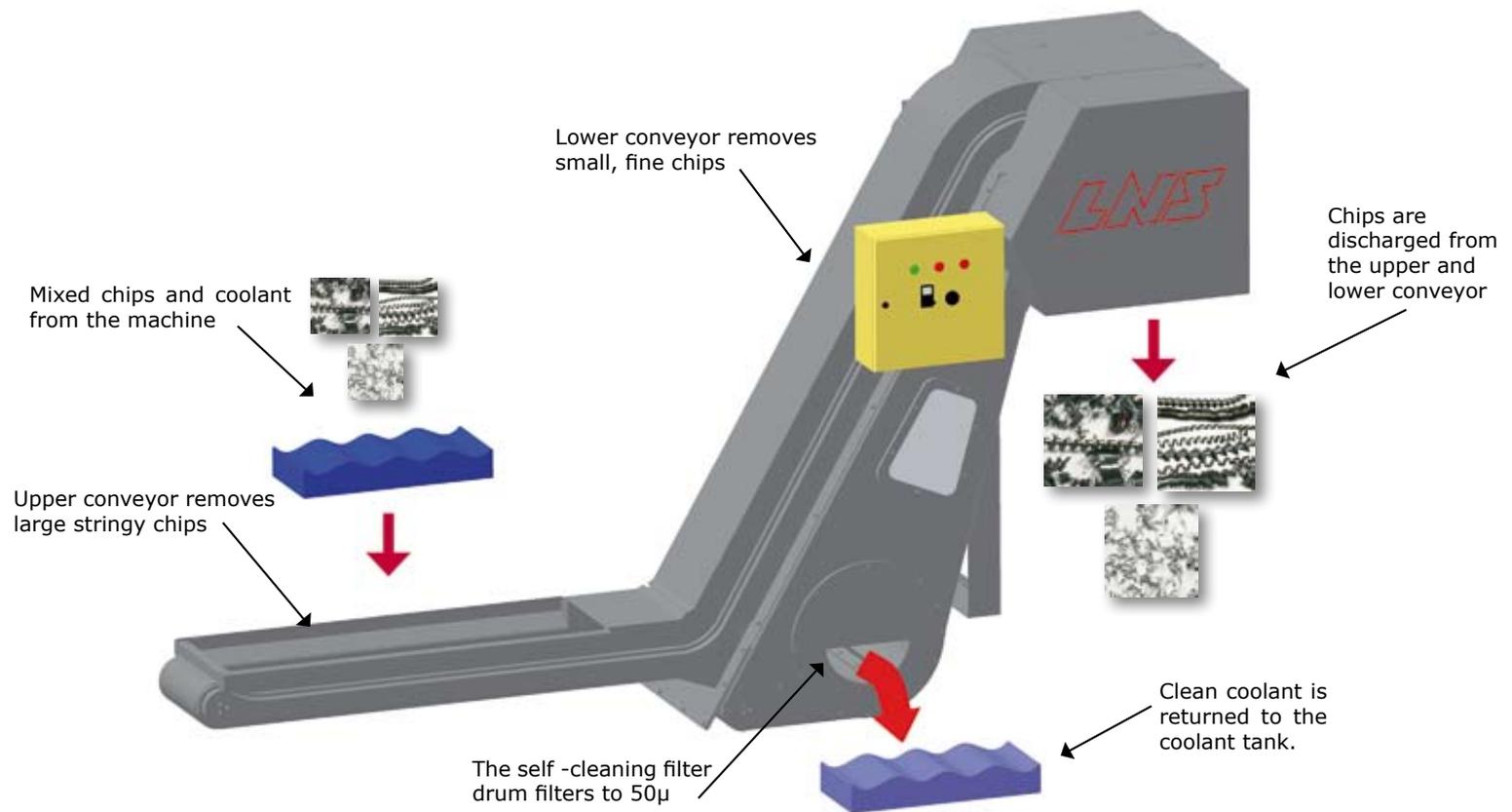


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## Turbo MF2/MF3

Designed to meet your requirements



LNS is your one-stop resource for industry leading bar feeding equipment and accessories, chip conveyors and coolant management systems. So you get unmatched product range, applications experience, service and support. The LNS customer service and technical support teams are the industry's most experienced. Together, they provide expert product selection and application assistance, professional installation and comprehensive training.

We support every product we sell with replacement parts, and both field and factory service. We provide this expert service through trained technicians who are strategically positioned throughout the world. And because we design every bar feed, chip conveyor and coolant system we sell, we can provide parts and service for all LNS equipment – even chip conveyors and bar feeds that have been in service for over twenty years.



LNS SA  
CH-2534 Orvin  
[www.LNS-europe.com](http://www.LNS-europe.com)

Phone +41 (0)32 358 02 00  
Fax +41 (0)32 358 02 01  
[sales@LNS-world.com](mailto:sales@LNS-world.com)