



## TURBO SF COMPACT

FINE FILTERING CHIP CONVEYOR  
SELF-CLEANING FILTRATION  
DOWN TO 50 MICRONS

MIXED SHAPE CHIPS  
MIXED MATERIAL



THE SF COMPACT IS SETTING A NEW BENCHMARK FOR CHIP CONVEYOR SYSTEMS WITH FILTRATION OF PARTICLES AS SMALL AS 50 MICRONS.

The filter units have been integrated into the housing of the chip conveyor. With the SF Compact, which uses patented double-sided filter cleaning technology, LNS is able to provide filtration performance equal to or frequently even better than comparable chip conveyors that use drum filtration.

Modern machining processes produce a wide range of chip types in a huge variety of materials such as steel, titanium, brass, aluminium, etc. These chips appear in various chip shapes, ranging from long chips, through chip accumulations and floating chips to ultra-fine chips.

The LNS TURBO SF Compact disposes of a wide range of chip types in various materials with simultaneous coolant filtration, filtering particles as small as 50 microns.

### FILTRATION PERFORMANCE AND COOLANT FLOW

The entire filter system has been integrated into the rigid frame. All coolant is collected in the chip conveyor and only filtered coolant is supplied to the tank on the machine.

This extends the cleaning intervals and significantly reduces machine tool downtimes. The patented, integrated and self-cleaning double-filter system guarantees adequate coolant flow.



YOUR ONE-STOP-SHOP  
FOR MACHINE-TOOL PERIPHERALS



## INVESTMENT AND SPACE REQUIREMENTS

In most cases, the SF Compact can be integrated into the existing coolant tank on the machine. This represents a significant cost reduction in comparison to equivalent systems. In addition, it requires a similar amount of floor space to a standard slat band chain conveyor, which equates to a significant reduction in the required floor space compared to commercially available chip conveyor systems with drum filtration or systems with filter systems provided as accessories.



## RELIABILITY AND MAINTENANCE

The stable frame, wear-resistant materials and high-strength curved tracks and guide tracks guarantee a long service life – even under maximum load.

Customer and user requirements have been taken into account in the design of the SF Compact. The modular construction system simplifies service and maintenance work and minimises downtimes as a result.



## BENEFITS OF THE LNS TURBO SF COMPACT

- Conveys all chip types in a wide variety of materials
- Supplies coolant with consistent filtration of particles as small as 50 µm, which ensures:
  - Reduced cleaning costs
  - Reduced downtimes
  - No blockage of or damage to the coolant pumps
- The patented filter system is integrated into the frame of the chip conveyor, which ensures reduced space requirements – identical to a slat band chain conveyor
- In most cases, the SF Compact can be integrated into the existing tank on the machine, which ensures reduced investment costs
- Variable band speed setting, which ensures reduced coolant discharge
- Durability guaranteed thanks to high-strength curved tracks and guide tracks, hardened rollers and splints as well as wear-resistant components
- Cost-effective operation:
  - Drive motor output of 0.18 kW
  - Compressed air usage of 10 l/hr



	Standard Hinge Conveyor	SF Compact	Saving
Machine tool tank clean outs per year	8	1	<b>7</b>
Machine downtime per tank cleaning	4 hours		
Labour hours for clean outs per year	32	4	<b>28</b>
Lost production hours per year	32	4	<b>28</b>
<b>Total Hours</b>	<b>64</b>	<b>8</b>	<b>56</b>

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

LNS offers a wide range of products for diverse applications in the areas of bar loading magazines, chip conveyors and high-pressure and air filtration systems. We are renowned for our extensive experience and expertise. Our after-sales service and technical support is guaranteed by our qualified experts throughout Europe.



LNS Europe  
Route de Frinwillier  
2534 Orvin  
Switzerland

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