IMPORTANT
READ CAREFULLY BEFORE USE
AND KEEP FOR FUTURE REFERENCE.
# TABLE OF CONTENTS

1. **GENERAL INFORMATION** ................................................................. 5
   1.1. ABOUT THIS INSTRUCTION MANUAL ........................................... 5
   1.2. TARGET GROUPS ......................................................................... 5
   1.3. OTHER APPLICABLE DOCUMENTS ............................................. 5
   1.4. TRANSPORT DAMAGE ............................................................... 5
   1.5. SYMBOLS AND WARNING LABELS ........................................ 6
   1.6. TERMS AND STANDARD SYMBOLS ....................................... 7
   1.7. COPYRIGHT ............................................................................... 7
   1.8. LIMITATION OF LIABILITY ...................................................... 7
   1.9. SAFETY REQUIREMENTS ......................................................... 8

2. **SAFETY DEVICES** .......................................................................... 9
   2.1. DESCRIPTION ............................................................................ 9
   2.2. SAFETY ANALYSIS FOR CORRECT INTEGRATION .................. 11

3. **DESCRIPTION OF THE MACHINE** ........................................... 12
   3.1. OVERVIEW OF MACHINE COMPONENTS ............................... 12
   3.2. CORRECT USE .......................................................................... 12

4. **PACKING AND LIFTING** ............................................................. 13
   4.1. PACKING .................................................................................. 13
   4.2. UNPACKING ............................................................................. 13
   4.3. LIFTING ................................................................................... 14

5. **OPERATION** .................................................................................. 15
   5.1. STARTING/STOPPING THE CONVEYOR ................................. 15
   5.2. MENU STRUCTURE ................................................................... 15
   5.3. FUNCTIONS .............................................................................. 16

6. **MAINTENANCE** ............................................................................ 21
   6.1. INSPECTIONS .......................................................................... 21
   6.2. CLEANING ............................................................................... 22

7. **SETTINGS** ................................................................................... 23
   7.1. POSITION OF THE CONVEYOR ............................................ 23
   7.2. LEVELING ............................................................................... 23
   7.3. CONNECTING TO THE MACHINE ......................................... 24
   7.4. REQUIREMENTS FOR OPERATING THE CONVEYOR .......... 26

8. **TECHNICAL DATA** ......................................................................... 27

9. **DISPOSAL** ................................................................................... 29
   9.1. MACHINE ............................................................................... 29
   9.2. CHIPS ..................................................................................... 29

10. **TROUBLESHOOTING** ................................................................. 31
    10.1. AFTER-SALES SERVICE ......................................................... 31

11. **APPENDICES** ............................................................................. 33
    11.1. GLOSSARY ............................................................................ 33
    11.2. ORDER FORM ......................................................................... 35
1. GENERAL INFORMATION

1.1. ABOUT THIS INSTRUCTION MANUAL
This instruction manual describes the intended use of the chip conveyor:
- it is part of the machine
- it applies to all models mentioned

1.2. TARGET GROUPS

Operator:
- Please adhere to the safety instructions and the accident prevention measures applicable in your country, as well as the legal provisions for occupational health and safety and protection of the environment.
- All warnings and safety indications on the machine must be legible at all times and must not be removed. Missing or damaged warning labels must be replaced immediately.

Personnel:
- Only qualified personnel are authorized to assemble and install the machine.
- Only qualified personnel are authorized to perform maintenance and repair tasks.
- Only qualified electricians are equipped to work on the electrical equipment.
- Anyone using the machine must first read and understand the instruction manual.

1.3. OTHER APPLICABLE DOCUMENTS
The machine contains integrated components from other manufacturers. For these purchased parts, the respective manufacturers have evaluated the risks and declared the design to be compliant with the applicable European standards.

Correct use of these integrated components is described in the instructions from their respective manufacturers.

The conveyor complies with the European standards indicated in the declaration of conformity and incorporation.

1.4. TRANSPORT DAMAGE
LNS accepts no responsibility for any breakage or damage caused during transport. If there is damage, contact the last carrier.
1.5. **SYMBOLS AND WARNING LABELS**

Warning labels and consequences in the event they are ignored.

| **DANGER** | Type and source of danger!  
Consequences of ignoring the warning.  
What to do to avoid danger.  |
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Warning of immediate danger which, if ignored, will lead to death or severe physical injury.</td>
<td></td>
</tr>
</tbody>
</table>

| **WARNING** | Type and source of danger!  
Consequences of ignoring the warning.  
What to do to avoid danger.  |
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Warning of potential danger which, if ignored, may lead to death or severe physical injury.</td>
<td></td>
</tr>
</tbody>
</table>

| **CAUTION** | Type and source of danger!  
Consequences of ignoring the warning.  
What to do to avoid danger.  |
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Warning of a potentially dangerous situation which, if ignored, could lead to minor physical injury.</td>
<td></td>
</tr>
</tbody>
</table>

| **WARNING** | Type and source of danger!  
Consequences of ignoring the warning.  
What to do to avoid danger.  |
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Warning of a potentially dangerous situation which, if ignored, could lead to property damage.</td>
<td></td>
</tr>
</tbody>
</table>

| **INFO** | Type and source of danger!  
Consequences of ignoring the warning.  
What to do to avoid danger.  |
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Information, comment</td>
<td></td>
</tr>
</tbody>
</table>

| **CAUTION** | Type and source of danger!  
Consequences of ignoring the warning.  
What to do to avoid danger.  |
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Warning of danger which, if ignored, could lead to: environmental damage.</td>
<td></td>
</tr>
</tbody>
</table>
1.6. **TERMS AND STANDARD SYMBOLS**

The terms and standard symbols used in this instruction manual are the following:

- **General information**
- **Electrocution**
- **Crushing**
- **Environmental damage**
- **Property damage**
- **Information, notes**

→ Return

1), 2) Instructions for individual actions in several steps

The drawings of the plates illustrated make no distinction between the different models. They are applicable to all models covered in this instruction manual.

The following terms are used in this operating manual to indicate the position of an object in space (positioning).

The terms "left", "right", "front" and "rear" always refer to the position viewed in the direction of movement.

### 1.7. COPYRIGHT

Reproduction, recording or transmission of this manual, in whole or in part, in any form or by any means whatsoever, whether mechanical, photographic, audio or other, is prohibited without the express written authorization of LNS.

LNS accepts no responsibility for errors that may be contained in this manual or any problems that could result.

The names of the products indicated in this manual are registered trademarks.

### 1.8. LIMITATION OF LIABILITY

LNS and its subsidiaries cannot be held liable for debts, losses, expenses, or damage incurred or suffered by the buyer of this product or a third party, following an accident, incorrect use, or misuse, or stemming from modifications, repairs, or conversions not authorized by LNS.

LNS and its subsidiaries cannot be held responsible for damage or problems arising from the use of options or products other than LNS products or those approved by LNS.
1.9. **SAFETY REQUIREMENTS**

**WARNING**

The manufacturer accepts no responsibility for damage caused by failure to adhere to the documentation.

- LNS accepts no responsibility for possible accidents or property damage caused when safety instructions are not followed.
- Do not handle the equipment without knowledge of the safety instructions and the instructions for use. Safety instructions for the chip conveyor and the CNC lathe must be strictly observed.
- Unqualified personnel, children, and persons under the influence of alcohol or medication should not handle the equipment.
- Loose garments, long hair and jewelry can be dangerous.
- Do not remove any protective guards while power to the equipment or the machine is turned on.
- Never walk under the transport belt.
- Never place your hands in the moving conveyor.
- If certain safety shields or safety covers are removed to conduct maintenance, they must be reinstalled as soon as the maintenance is completed.
- It is prohibited to work on the interface or interior of the electrical cabinet if power to the chip conveyor or lathe is turned on.
- It is strictly prohibited to jump wire or remove circuit breakers, master switches, and especially safety switches.
- To prevent physical injury and damage to components, use only the lifting and movement points indicated for the chip conveyor. No one should be near the hanging load or within the operating range of the overhead hoist/crane, forklift, or any other lifting or transport equipment.
- Do not strike the chip conveyor when it is being moved because this may damage it.
- Do not move the chip conveyor while the power is turned on.
- The work zone around the chip conveyor must always be clear of objects and well lit. Oil on the floor may cause falls — it is important to clean the floor regularly.
- Do not place the machine in a damp area, and make sure that water or oil does not come into contact with the electrical equipment.
- Do not try to recharge the batteries of the PLC.
- For operating and maintaining the chip conveyor, use only parts provided or recommended by LNS.
- If it is necessary to move the chip conveyor after it has been commissioned, LNS or its local representative must be contacted before any attempt to restart it.
2. SAFETY DEVICES

2.1. DESCRIPTION

The safety covers and devices prevent access to the moving parts of the chip conveyor.

**WARNING**

**Crushing and cutting hazards!**
Moving parts may cause crushing or cuts.
Do not stand or place a part of the body inside the chip conveyor while it is operating!
Disconnect the electrical plug and the compressed air supply before removing the covers.
Stop the conveyor from moving to prevent accidental restart!

<table>
<thead>
<tr>
<th>Designation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Bearing cover (which side depends on the drive side)</td>
</tr>
<tr>
<td>2</td>
<td>Upper tilt cover</td>
</tr>
<tr>
<td>3</td>
<td>Upper cover for the loading zone</td>
</tr>
<tr>
<td>4</td>
<td>Piston box cover</td>
</tr>
<tr>
<td>5</td>
<td>Drive cover</td>
</tr>
<tr>
<td>6</td>
<td>Cover for the discharge zone</td>
</tr>
<tr>
<td>7</td>
<td>Upper cover for the discharge zone</td>
</tr>
</tbody>
</table>

LNS, or its local representative, may not be held responsible for accidents or property damage, whether caused directly or indirectly, by any means whatsoever, if certain safety devices have been removed or disabled.
Several stages are necessary to ensure proper installation of the conveyor. These stages are listed below. It is possible to buy these parts from LNS. For more information, contact LNS or their local representative:

1) Appropriate guards must be provided between the chip tray and the conveyor to prevent access to the moving transport belt when the chip receiving tray (4) is installed. It is recommended that an interlock be used between the two components to stop the transport belt when removing the chip reception tray. If parts of the transport belt are accessible, an emergency stop cord around the conveyor’s evacuation zone must be integrated into the lathe’s emergency stop circuit so that the conveyor and machine stop immediately when the cord (1) is pulled.

2) Appropriate guards (6) must be installed around the area where the conveyor is connected to the machine so as to prevent the customer from accessing the transport belt.

3) An appropriate waste bin (5) must be used with the conveyor and perfectly adapted to the conveyor’s dimensions and usage conditions.

4) The conveyor must be integrated into the machine’s control circuit so that the transport belt cannot move when the door of the machine (7) is open.

5) Appropriate warning signs must be placed in the conveyor’s danger zones, particularly the discharge zone, to prevent injury to personnel.

<table>
<thead>
<tr>
<th>Designation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Lathe</td>
</tr>
<tr>
<td>2</td>
<td>Conveyor</td>
</tr>
<tr>
<td>3</td>
<td>Cable</td>
</tr>
<tr>
<td>4</td>
<td>Cover</td>
</tr>
<tr>
<td>5</td>
<td>Chip tray</td>
</tr>
<tr>
<td>6</td>
<td>Protective guard</td>
</tr>
<tr>
<td>7</td>
<td>Machine door</td>
</tr>
</tbody>
</table>
2.2. SAFETY ANALYSIS FOR CORRECT INTEGRATION

Before thinking about assembling the machine, the following points must be considered:

- Consider safety strategies that reduce risks to an acceptable level;
- Define the tasks required for the applications in order to evaluate access requirements and/or the approach;
- Identify sources of risks, including breakdowns and failure modes associated with each task.

Risks can come from:
- the machine with which the equipment is integrated
- its association with other equipment

- Evaluate and assess the risks associated with using the machine:
  - programming risks
  - operation risks
  - risks of use
  - maintenance risks

- Choose the protection methods:
  - using safety devices
  - introducing signals
  - compliance with safe working procedures.
3. DESCRIPTION OF THE MACHINE

3.1. OVERVIEW OF MACHINE COMPONENTS

<table>
<thead>
<tr>
<th>Designation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Upper tilt cover</td>
</tr>
<tr>
<td>2</td>
<td>Motor</td>
</tr>
<tr>
<td>3</td>
<td>Cover for the discharge zone</td>
</tr>
<tr>
<td>4</td>
<td>Pressure gauge</td>
</tr>
<tr>
<td>5</td>
<td>Piston box</td>
</tr>
<tr>
<td>6</td>
<td>Brush assembly</td>
</tr>
<tr>
<td>7</td>
<td>Cartridge filter</td>
</tr>
<tr>
<td>8</td>
<td>Tail cover</td>
</tr>
</tbody>
</table>

3.2. CORRECT USE

The SF COMPACT is designed to:
- transport machining chips produced when forming metal on a machine tool,
- filter cooling lubricant.

The manufacturer accepts no responsibility for damage caused by improper operation.
4. PACKING AND LIFTING

4.1. PACKING

Depending on the destination, the conveyor is usually attached to a pallet and then wrapped in thermal shrink wrap.
All shipping documents, including the manual, are attached to the pallet. Regardless of the type of packaging, the uncrating and lifting instructions recommended by LNS must be observed to prevent any personal injury and property damage.

4.2. UNPACKING

For practical and safety reasons, the conveyor must be unpacked in a spacious, well-lit location.

**WARNING**

*Heavy object. Hazard from the hoist.*
Make sure that the hoist or forklift’s lifting capacity is adequate before handling the conveyor.
Stay out of range of the hoist, forklift, or any other equipment used for lifting and transport.

**CAUTION**

*Handling hazard.*
Injury may occur when the steel bands or fasteners are cut.
Wear safety glasses. Wear safety gloves.

1) If the conveyor is received as illustrated above, start by removing the plastic wrap.
2) Use diagonal cutting pliers to cut the steel strap holding the conveyor to the pallet (always wear safety glasses and gloves).
3) Remove all the screws holding the conveyor to the pallet, including those crossing the roller plate.
4.3. **LIFTING**

**WARNING**

*Heavy object. Hazard from the hoist.*
Make sure that the hoist or forklift’s lifting capacity is adequate before handling the conveyor.  
Stay out of range of the hoist, forklift, or any other equipment used for lifting and transport.

Lifting points are at strategic places around the conveyor to allow safe lifting with a forklift or hoist. Otherwise, points under the system are marked with arrows so that a forklift can lift the conveyor system in a safe, balanced manner.
5. OPERATION

5.1. STARTING/STOPPING THE CONVEYOR
This function depends on the lathe model and the customer’s requirements.

INFO
In general, the conveyor starts as soon as the machine tool is ready!
The conveyor goes back to its last operating mode.

5.2. MENU STRUCTURE
5.3. FUNCTIONS

All adjustments to the conveyor are made from the control panel. The control panel is a touchscreen.

MANUAL MODE

1) Tap button (1) to reverse the conveyor’s rotation direction. The conveyor belt moves in the opposite direction when you tap button (1).
2) Tap button (2) to switch to manual mode.
3) Tap button (3) to access the settings menu for automatic mode.

AUTOMATIC MODE

1) Tap button (4) to reverse the conveyor’s rotation direction. The conveyor belt moves in the opposite direction when you tap button (4).
2) Tap button (5) to stop the conveyor belt.
3) Tap button (9) to start the conveyor belt.
4) Tap button (6) to temporarily activate the brush.
5) Tap button (7) to switch to automatic mode.
6) Press button (8) to access the settings menu for manual mode.
**SETTINGS**

Certain settings can be adjusted as needed.

1) Tap button (3) to access the settings menu for automatic mode or
2) Press button (8) to access the settings menu for manual mode.

**INFO**

Changing settings: The available options are the same in both modes (automatic and manual).

Tap ESC (1) to go back one level in the directory tree.

**CONTACT**

1) Tap button (4) to show the address for technical support.
SPEED

1) Tap button (1) to access the speed menu.

2) Press:
   - Button (2) to reduce the speed
   - Button (3) to increase the speed
3) Tap button (4) to quit.

BRUSH FREQUENCY

1) Tap button (5) to access the brush frequency menu.
2) Press:
   - Button (6) to reduce the frequency
   - Button (7) to increase the frequency
3) Tap button (8) to quit.

**LANGUAGE**

1) Tap button (9) to access the language menu.
2) Tap one of the flags (10) to select the desired language.
3) Tap button (11) to quit.
SERVICE SETTINGS
These functions are in the machine’s protected area that only the manufacturer can access.

PASSWORD
A password is required for accessing the service parameters.

![Password Screen](image-url)
6. MAINTENANCE

The conveyor INSTRUCTION MANUAL - SF COMPACT is designed to be low maintenance. The following inspections must be made at the recommended intervals to ensure continued operation without incident.

---

**DANGER**

Electrical hazard!
Danger of death by electrocution!
Only qualified electricians may work on the electrical system.
If there is a possible electrical fault, contact LNS or their local representative.

---

**WARNING**

Crushing and cutting hazards!
Moving parts may cause crushing or cuts.
Do not stand or place a part of the body inside the chip conveyor while it is operating!
Disconnect the electrical plug and the compressed air supply before removing the covers.
Stop the conveyor from moving to prevent accidental restart!
Do not operate the machine without the cover after maintenance work.

---

6.1. **INSPECTIONS**

<table>
<thead>
<tr>
<th>Component</th>
<th>Maintenance task</th>
<th>Daily</th>
<th>Weekly</th>
<th>Monthly</th>
<th>Quarterly</th>
<th>Yearly</th>
</tr>
</thead>
<tbody>
<tr>
<td>Transport belt brushes</td>
<td>Check for excessive wear.</td>
<td></td>
<td>X</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Transport belt tension</td>
<td>Check the tension and adjust, if necessary.</td>
<td></td>
<td></td>
<td>X</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Transport belt</td>
<td>Check for excessive wear. If wear is detected, the transport belt must be removed and repaired.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>X</td>
</tr>
<tr>
<td>Bearings</td>
<td>Lubricate with a grease gun. Do not grease them too often — this may damage the bearing joints.</td>
<td></td>
<td></td>
<td>X</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cartridge filters</td>
<td>Check their operation and clean them, if necessary.</td>
<td></td>
<td></td>
<td></td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Brushes</td>
<td>Check their operation and replace them, if necessary.</td>
<td></td>
<td></td>
<td></td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Emergency stop button</td>
<td>Check its operation.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>X</td>
</tr>
<tr>
<td>Electrical equipment</td>
<td>Check for damage. Replace defective components, if necessary.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>X</td>
</tr>
</tbody>
</table>
6.2. **CLEANING**

Regular cleaning of your conveyor improves its operation and prolongs its service life.

<table>
<thead>
<tr>
<th>Zone</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Exterior</td>
<td>Use a soft cloth and a detergent.</td>
</tr>
<tr>
<td>Interior</td>
<td>Use a cloth or brush.</td>
</tr>
</tbody>
</table>

Make sure that bearings and parts made of synthetic materials do not come into contact with these products.

Make sure these cleaning products to not come into contact with electrical components.

**WARNING**

Possible risk of damage to the machine!
Using compressed air for cleaning is not recommended. Particles may lodge into susceptible areas and impede the conveyor’s proper operation.

**WARNING**

Solvent-based cleaning products will damage paint!
Do not use solvents, such as acetone or thinners, to clean the conveyor.
TECHNICAL DATA

7. SETTINGS

Your conveyor has been tested before shipping to ensure correct operation. However, the following inspections are recommended before operating for the first time.

7.1. POSITION OF THE CONVEYOR

• Make sure the frame and transport belt were not damaged during transport or storage.
• Put the conveyor into operating position, integrated with the machine (see the specific interface instructions provided separately).
• All drive elements (chain pulleys and wheels) must be positioned near the bearing holders. Each chain pulley and wheel assembly must be carefully aligned to prevent wear and excessive noise.
• The drive chains and transport belt must have enough tension.

7.2. LEVELING

A bubble level must be placed under the conveyor's rear and on the belt parallel to its direction of movement.
Adjust the wheels to level the system. If the system has no wheels or leveling feet, it may be necessary to use shims.

Once the conveyor is correctly positioned in relation to the machine, it may be necessary to level it using the wheel adjuster and a bubble level.

<table>
<thead>
<tr>
<th>Designation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Nuts</td>
</tr>
<tr>
<td>2</td>
<td>Wheels</td>
</tr>
</tbody>
</table>

Adjusting the wheels:
1) Loosen the nuts (1).
2) Adjust the height of the conveyor by lowering or raising the wheels (2).
3) Make sure the conveyor is level, and then tighten the nuts (1).
7.3. CONNECTING TO THE MACHINE

LNS provides the interface cable between the chip conveyor and the lathe. The cable schematic for the interface that goes with your equipment is indispensable for the electrical connection and comes with the accessories.

**DANGER**

Electrical hazard!
Danger of death by electrocution!
Only qualified electricians may work on the electrical system.
If there is a possible electrical fault, contact LNS or their local representative.

If the conveyor fails, or for more information, contact LNS or their local representative. The conveyor's supply voltage is indicated on the data plate (3).

**WARNING**

Incorrect connection may damage the machine!
Check the conveyor's motor voltage settings to prevent damage. The motor must be wired according to the available power supply.

1) Connect the lathe cable to the lathe interface (1).

<table>
<thead>
<tr>
<th>Designation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Lathe interface</td>
</tr>
<tr>
<td>2</td>
<td>Pneumatic connection</td>
</tr>
<tr>
<td>3</td>
<td>Data plate</td>
</tr>
</tbody>
</table>

**WARNING**

Incorrect pressure may damage the machine!
Check the conveyor's pressure settings to prevent damage. Make sure the pneumatic feed is available at a rate of 8 l/hour with 4 bar of pressure.

2) Connect the compressed air feed hose to the input connection (2).
To access the manometer (5), it is necessary to remove the motor cover (6).
Removing the cover:
1) Loosen the screws (4).
2) Remove the motor cover (6).

Adjusting the pneumatic pressure:
The conveyor requires 4 bar of pressure to operate.

1) Pull the pressure controller (8) upward.
2) Turn the pressure controller until the manometer (7) shows 4 bar:
   - To increase the pressure: Turn the pressure controller (8) clockwise.
   - To reduce the pressure: Turn the pressure controller (8) counterclockwise.
3) Push the pressure controller downward (8).
7.4. REQUIREMENTS FOR OPERATING THE CONVEYOR

**WARNING**

Incorrect configuration may damage the machine!
The conveyor's transport belt must continuously operate at a minimum speed of 1 m per minute.
If long chips are being produced, the conveyor must be running!

For proper operation of the conveyor, it is critical to run the transport belt continuously at a minimum speed of 1 m/minute when the lathe is operating and/or when coolant is used. It is possible to use time delays under the condition that the transport belt's advancement speed is at least 1 m/minute (e.g. the transport belt is operating at 2 m/minute but is stopped 50% of the time). If the conveyor is stopped or a time delay is used while the lathe is running, the conveyor may be damaged and the warranty is voided.
## 8. TECHNICAL DATA

<table>
<thead>
<tr>
<th>Type</th>
<th>SF Compact</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chain pitch</td>
<td>40 mm</td>
</tr>
<tr>
<td>Transport belt thickness</td>
<td>2.2 mm</td>
</tr>
<tr>
<td>Transport belt width (min.)</td>
<td>203.20 mm (8&quot;)</td>
</tr>
<tr>
<td>Transport belt width (max.)</td>
<td>609.60 mm (24&quot;)</td>
</tr>
<tr>
<td>Transport belt speed</td>
<td>1 m/min (standard)</td>
</tr>
<tr>
<td>Motor</td>
<td>0.18 kW (200 V–400 V), motor current 1.08–0.62 A</td>
</tr>
<tr>
<td>Filtration</td>
<td>50 µ</td>
</tr>
<tr>
<td>Drive protection</td>
<td>Clutch</td>
</tr>
</tbody>
</table>
9. DISPOSAL

9.1. MACHINE

At the end of its service life, the machine will be permanently decommissioned and deposited at a recycling collection point.

**CAUTION**

Harmful to the environment!
Improper disposal of the machine can cause serious harm to the environment.
Deposit the machine at a recycling collection point.
Alternatively, consult your local recycling service.

Procedure:
1) Clean the machine
2) Allow the machine to air dry
3) Lightly lubricate the moving parts
4) Turn the machine on
5) Drain the system of lubricant
6) Depressurize the hydraulic system
7) Depressurize the pneumatic circuit
8) Bring all components to the recycling point, sorted according to their materials

9.2. CHIPS

The chips are industrial waste. They are generally recyclable.

**CAUTION**

Harmful to the environment!
Improper disposal of the chips can cause serious harm to the environment.
Deposit the chips at a recycling collection point.
Alternatively, consult your local recycling service.

**CAUTION**

Handling hazard.
Handling the chips can cause injury.
Wear safety clothes, including safety shoes and safety gloves.
10. TROUBLESHOOTING

10.1. AFTER-SALES SERVICE

LNS Turbo, Inc.
203 Turbo Drive
Kings Mountain, NC 28086

Service email address
http://www.lnsamerica.com

Tel.: 704-739-7111 ext. 1
Fax: 704-739-6039
11. APPENDICES

11.1. GLOSSARY

This chapter provides terms and acronyms currently used with chip conveyors.

<table>
<thead>
<tr>
<th>Designation</th>
<th>Description</th>
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<tbody>
<tr>
<td>1</td>
<td>Motor</td>
</tr>
<tr>
<td>2</td>
<td>Engine mounting plate</td>
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<tr>
<td>3</td>
<td>Motor mount</td>
</tr>
<tr>
<td>4</td>
<td>Discharge plate, right side</td>
</tr>
<tr>
<td>5</td>
<td>Discharge plate, left side</td>
</tr>
<tr>
<td>6</td>
<td>Cover for the discharge zone</td>
</tr>
<tr>
<td>7</td>
<td>Discharge support</td>
</tr>
<tr>
<td>8</td>
<td>Drive wheels for chains</td>
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<tr>
<td>9</td>
<td>Driveshaft</td>
</tr>
<tr>
<td>10</td>
<td>Bearing</td>
</tr>
<tr>
<td>11</td>
<td>Bearing cover</td>
</tr>
<tr>
<td>12</td>
<td>Bearing holder</td>
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<tr>
<td>13</td>
<td>Foot</td>
</tr>
<tr>
<td>14</td>
<td>Foot extension</td>
</tr>
<tr>
<td>15</td>
<td>Wheel</td>
</tr>
<tr>
<td>16</td>
<td>Wheel plate</td>
</tr>
<tr>
<td>17</td>
<td>Tilted guide</td>
</tr>
<tr>
<td>18</td>
<td>Profiled and tilted guide</td>
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<td>19</td>
<td>Curved cover</td>
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<td>Profiled cover for the loading zone</td>
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<td>Rail for the loading zone, left side</td>
</tr>
<tr>
<td>22</td>
<td>Rail for the loading zone, right side</td>
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<tr>
<td>23</td>
<td>Rear guide</td>
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<tr>
<td>24</td>
<td>Rear cover</td>
</tr>
<tr>
<td>25</td>
<td>Rear disk</td>
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</table>
**Bearing:** Machine component in which a shaft or other elements turn

**Transport belt:** Flexible belt placed around pulleys for transporting materials from one place to another

**Wheels:** Wheels mounted in a stirrup to support the conveyor and allow its movement

**Motor:** Equipment transforming electrical energy into mechanical energy

**PLC** Programmable Logic Controller: Numerical calculator used for automation. The PLC controls the machine’s operation.

**Shaft:** Steel bar for supporting rotating elements or to transfer power

**Tail cover:** End of the conveyor near the loading point
11.2. ORDER FORM

This form should be photocopied, filled out, and returned to LNS Turbo, Inc. Please fax to 704-739-6039.

Order Form

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**Comments:**

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