

## ASSEMBLY INSTRUCTIONS FLEXUS 2 9750

Flexus 2 is a board model secondary scraper with carbide blades embedded in polyurethane. The scraper is primarily designed for belts with reversible operation or conveyor belts with limited space.

**TIP!** Flexus 2 can be purchased with Vendig's adapter 9777 and Holder PL 9380 for quick and easy installation.

### CONDITIONS FOR PRODUCT INSTALLATION

- The scraper should not be installed on cleated belts or belts with mechanical splices.
- The conveyor belt must be free from damage; otherwise, the belt may get stuck in the scraper.
- Maximum belt speed: 2.3 m/s
- Maximum temperature: +50°C in wet environments (ambient temperature + friction heat)
- Maximum temperature: +85°C in dry environments (ambient temperature + friction heat)

#### WARNING!

**Lock out and tag out!** Always turn off the conveyor belt before maintaining, adjusting or installing the product to make sure that the belt cannot start while the work is in progress.

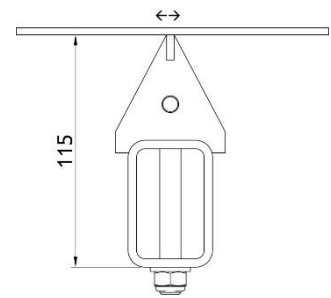
### WARRANTY

For this product, except for the scraper blade, a 24-month warranty from the date of purchase applies. For questions or complaints, please contact Vendig's customer service.

*Note: Damage to the scraper caused by improper use or incorrect installation cannot be considered under warranty. Vendig is also not responsible for any consequences or damage to other equipment or personal injury due to improper use or incorrect installation. The product warranty for Vendig's products covers manufacturing defects.*

## INSTALLATION

1. **Safety First:** Turn off the conveyor, disconnect and lock out the power to ensure safety.
2. **Positioning:** Place the plank on the underside of the return side where the belt is flat (see image 2). This may require removing a return roller to install the scraper.
3. **Centering:** Center the scraper over the width of the conveyor belt. Lock the scraper laterally with a screw on each side of the tube.
4. **Mount the Scraper:** Attach the plank to the sides of the conveyor, ensuring that the mounting points are perpendicular to the belt.



## ADJUST THE SETTINGS

1. **Start the Conveyor Belt:** Once all parts are assembled according to the previous instructions, turn on the conveyor belt.
2. **Optimize the Scraper Blade Pressure:** Adjust the pressure of the scraper blade to eliminate noise and vibrations, and to improve the cleaning of the belt. Observe how these factors change with different pressure settings.
3. **Identify and Eliminate Vibrations:** Vibrations can occur when the belt runs without material or when it has a coating, such as resin. These vibrations can cause cracks in the beam and must therefore be eliminated. The following actions can be taken:
  - o **Adjust the Scraper Blade Pressure:** Change the pressure of the scraper blades (3) against the belt.
  - o **Reinforce the Mounting:** Manufacture a stronger mounting for the framework.
  - o **Install a Roller:** Place a roller as a support above the underside of the conveyor belt.

Remember to turn off the conveyor belt before making any adjustments.

## MAINTENANCE

- **Regular Inspection:** Inspect and clean the scraper regularly, preferably twice a month.
- **Blade Replacement:** Replace all scraper blades (3) when 1 mm of carbide remains.
- **Immediate Adjustments:** Adjust the settings immediately if noise or vibrations occur.

## REPLACING THE SCRAPER BLADES

Replace the scraper segments (3) by loosening all M10 nuts (2) on the underside of the scraper. Then knock out the longitudinal spring steel (1). Replace the old segments with the new ones, knock back the spring steel, and secure the pendulum (4) with the M10 nuts.

Readjust the scraper pressure to achieve optimal cleaning of the conveyor belt according to the instructions above.