

CONVEYORS

perma lubrication systems in operation



Functioning conveyors are essential for smooth process flows. Despite dirt, dust or strong vibration, optimal lubrication is necessary to prevent equipment failures. Costly repairs and service visits represent a significant part of operating costs, which can be minimised significantly by using perma lubrication systems.

Challenges

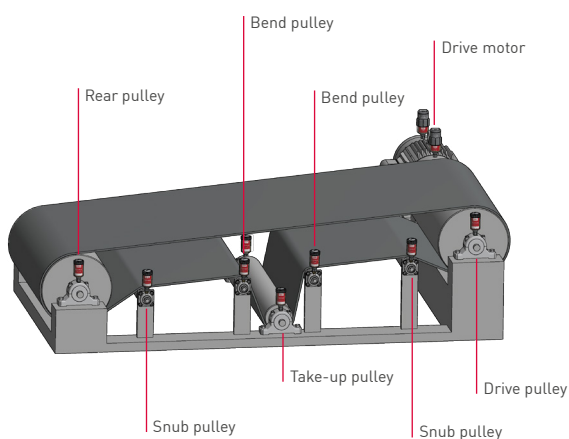
Large conveyors often extend over long distances and several levels and are difficult to access. Relubrication should ideally take place while the equipment is running. Many transfer points can only be lubricated with the help of catwalk grating or work platforms and are therefore often neglected. Accident prevention and workplace safety must be ensured at all times.

Lubrication starvation results in wear, leads to failure of equipment components and reduces productivity and cost effectiveness.

- Dirt and water must not enter the lubrication points
- No unnecessary equipment downtimes due to relubrication
- Workplace safety must be ensured



Lubrication points



Pillow block housings with spherical roller bearings are mainly used for drive and bend pulleys.

Bearings and bearing housing seals must be permanently supplied with lubricant.



Industries



Quarrying industry



Recycling



Cement, Gypsum, Lime



Power generation



Food & Beverage



Mining & Minerals processing

Solutions

The development of perfect lubrication solutions requires the consideration of various factors, such as application type, speed and load of the machine as well as ambient temperature.

perma has risen to this challenge, focusing on the development and production of automatic lubrication systems for use across a variety of industries. These solutions have been created in close cooperation with maintenance professionals from various global sectors, addressing the unique demands of each application. In adherence to the highest quality standards, premium-grade raw materials and lubricants are used in the manufacturing process. This ensures that perma products consistently deliver reliable lubrication across all applications, thereby increasing the equipment service life while at the same time minimising costs and operational effort.

Direct mounting | e.g. with perma NOVA

- Easy, quick mounting
- For lubrication points with little vibration | shocks
- For easy-to-reach and safe lubrication points

Remote mounting | e.g. with perma STAR VARIO

- For lubrication points with strong vibration | shocks (isolation of lubrication system)
- When workers' safety is at risk: Mounting in safe areas
- For hard-to-reach lubrication points



For applications with particularly long grease lines, we recommend the use of perma ULTRA with INSTALLATION KIT ULTRA Heavy Duty.

