Functioning conveyors are essential for smooth process flows. Despite dirt, dust or strong vibration, optimal lubrication is necessary to prevent equipment failures. Equipment downtimes, costly repairs and service calls make up a significant proportion of the operating costs.

Perma lubrication systems for conveyors

Pillow block housings with spherical roller bearings are mainly used for drive/guide pulleys.

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

Large conveyors often extend over large distances and several levels and are difficult to access. Relubrication should ideally take place while the equipment is running. The lubrication points at the transfer points above the storage containers or treatment facilities can often only be reached with the help of ladders or other aids and are therefore often neglected. Restricted access as a result of hazardous ambient conditions endangers workplace safety.

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

- Dirt and water must not enter the lubrication points
- Optimal and regular lubrication with fresh lubricant during equipment operation
- No unnecessary equipment downtimes due to relubrication
- Workplace safety must be ensured

Mining & heavy industry
- Power plants
- Food industry
- Recycling industry
- Quarrying industry
- Cement plants
Advantages of automatic lubrication

- Lubricant seals lubrication points and prevents ingress of contamination
- Lubrication takes place while the equipment is running without interrupting the work process
- perma lubrication systems are installed outside of dangerous areas (remote mounting) and actively contribute to accident prevention
- Precise lubricant discharge lowers lubricant consumption and thus the environmental impact

Solutions

Direct mounting on the lubrication point: e.g. with perma CLASSIC / FUTURA / FLEX / NOVA

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

Remote mounting at lubrication point: 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
Applications

Industry: Cement

Industry: Steel

Industry: Recycling

Industry: Coal handling preparation

Industry: Cement

Industry: Coal handling preparation

Industry: Quarrying

Industry: Quarrying

Industry: Quarrying

Individual solutions

perma Product portfolio

Solutions for all types of applications

perma Lubricants

Large selection of high quality lubricants to meet the requirements of your equipment

perma Accessories

Extensive range of accessories and connecting parts for your equipment

perma SERVICE

Project planning, installation and maintenance

perma SOFTWARE

Calculation of lubricant amount: perma SELECT

Maintenance Lubrication Program: perma MLP