With the pneumatic belt-tracking control system, any belt misalignment is compensated, thus avoiding wear and tear of the steel belt edges and V-ropes.

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SYSTEM PNEUMATIC UPGRADE
UPGRADE BELT-TRACKING AND RETROFIT
CONTROL SYSTEM PNEUMATIC
RETROFIT UPGRADE BELT-TRACKING
BELT-TRACKING RETROFIT CONTROL SYSTEM

04-2018

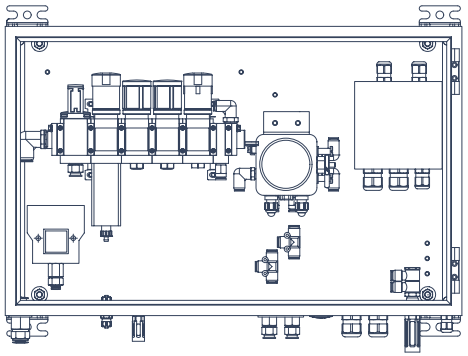
Pneumatic belt-tracking control and belt-tensioning system

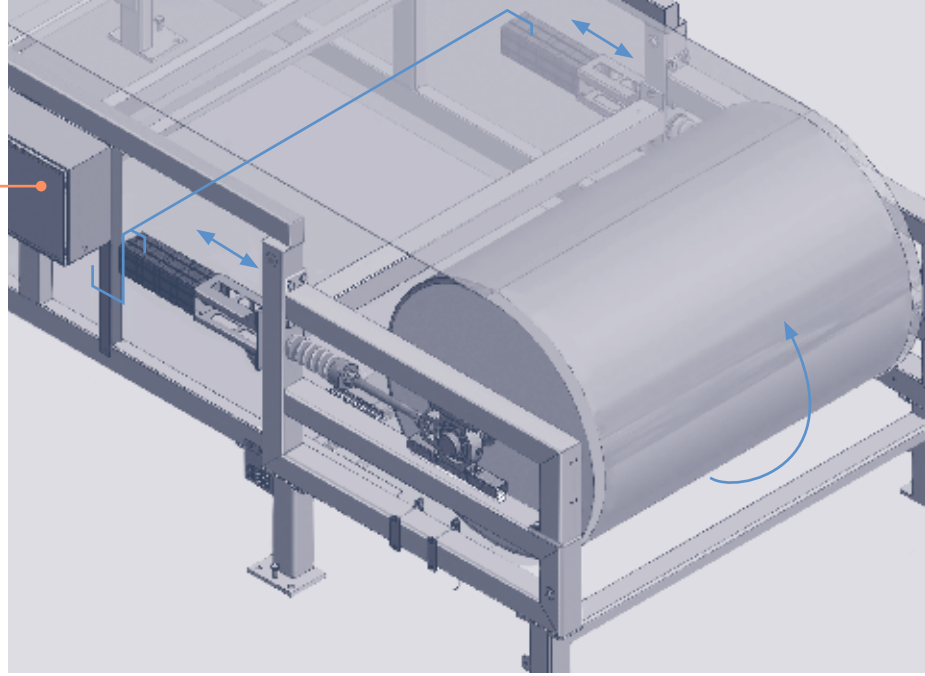
The controller is used for belt misalignment compensation of steel belts, with and without V-ropes.

The position of the steel edge is detected from one side by means of a contactless inductive sensor (contact free). This triggers an analog signal from the sensor which actuates any necessary correction in the electro-magnetic positioner.

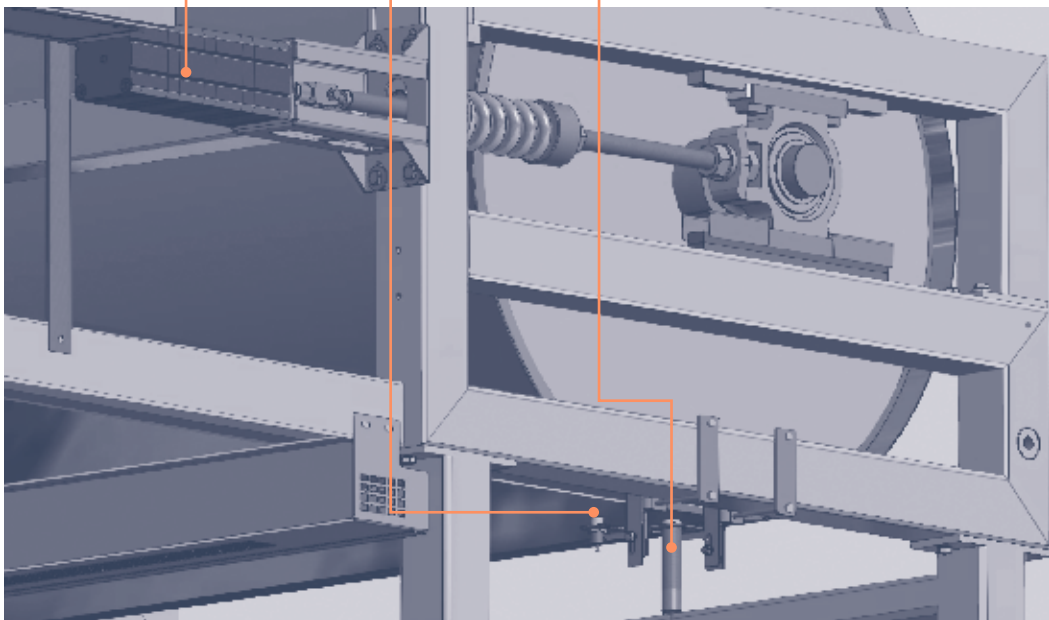
Benefits of pneumatic belt-tracking control with contact-free belt edge sensing (inductive sensor):

- No wear of steel belt edges compared with mechanical roller systems.
- The inductive sensor is resistant to dirt.
- A basic belt tension force is permanently generated by the system.
- Wear and tear of the V-ropes (if installed) is reduced to a minimum.





Pulley head frame with belt tensioning and tracking system.



Detailed view tensioning and belt position detection system.