



PHOENOGUARD® PX

Continuous Conveyor Belt Monitoring –
One for all.

Belt surface damage



Damaged, broken and
corroded steel cords



Steel cord
misalignment



Splice integrity
monitoring



Embedded
foreign objects



Protruding cables



Edge damage



Belt thickness



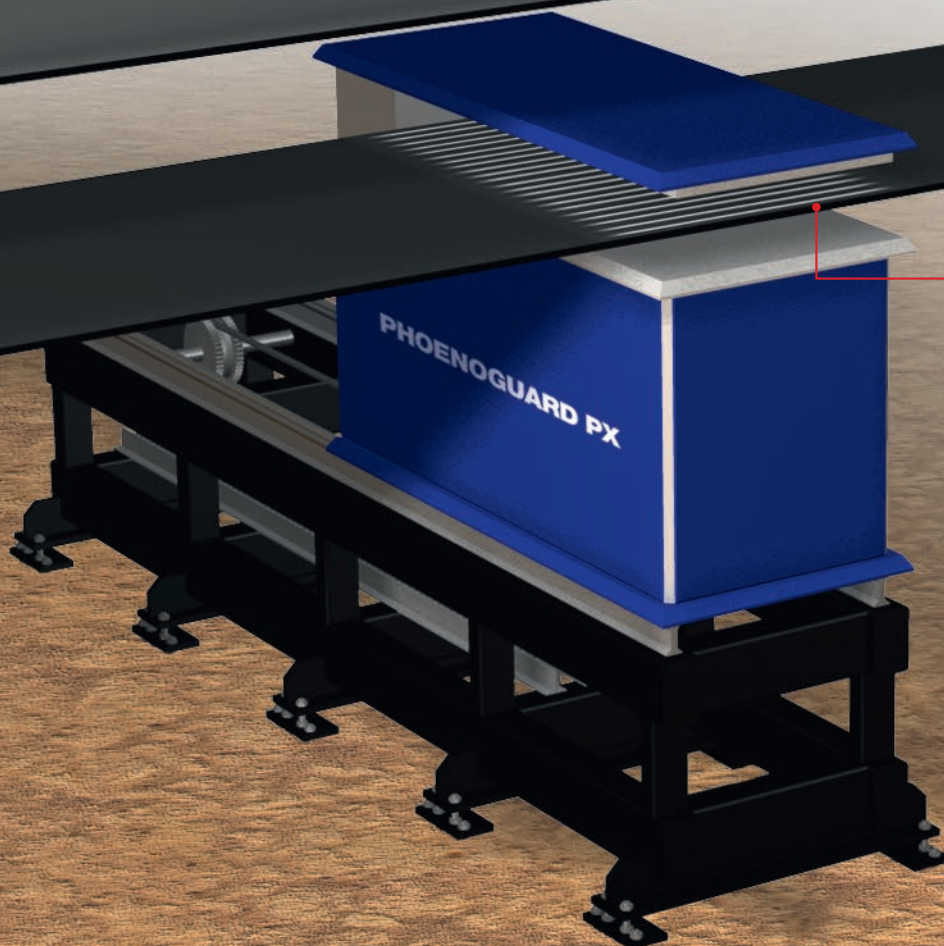
Insufficient
belt cleaning

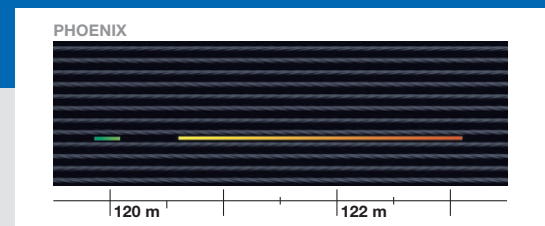
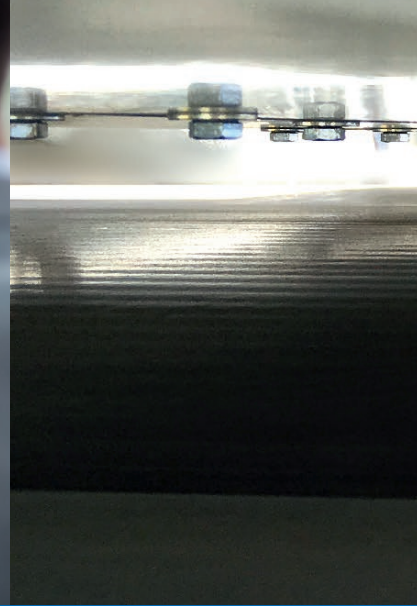




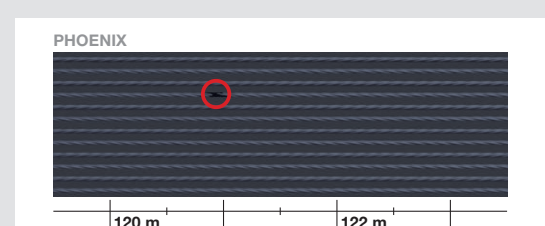
PHOENOGUARD® PX

Where every minute counts PHOENOGUARD® PX keeps conveyor belts safe and running.

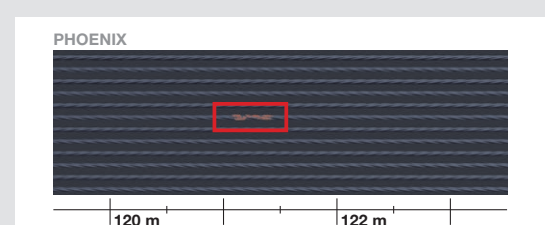




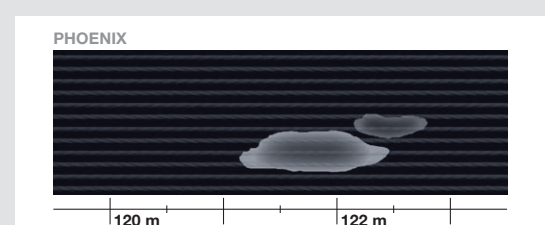
Belt rip (slitting)



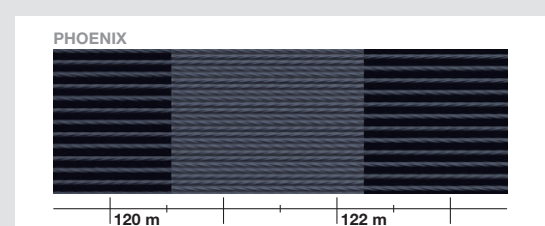
Broken steel cord



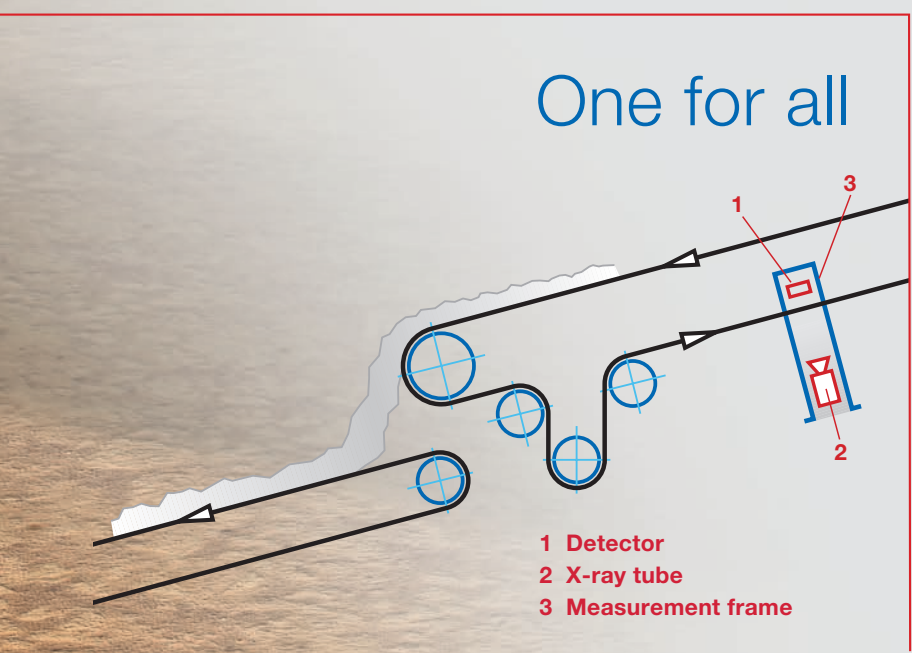
Steel cord corrosion

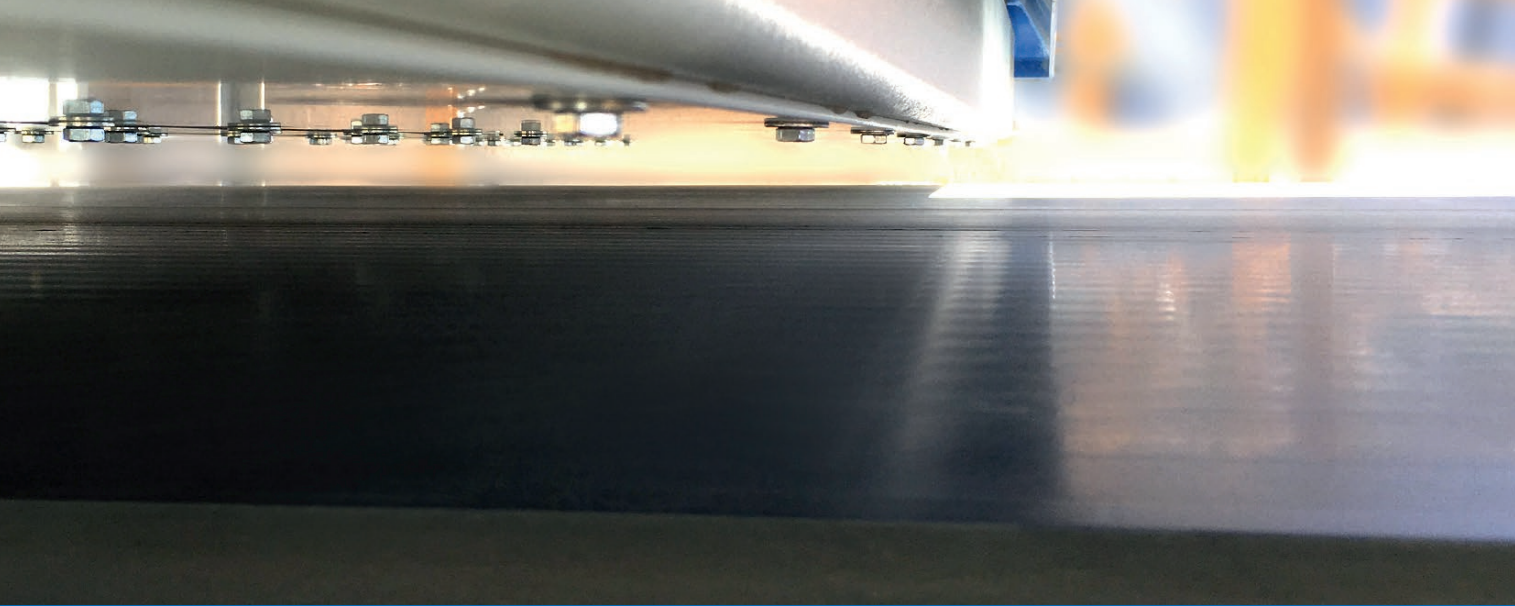


Cover rubber damage



Splice integrity





Higher safety through early defect detection

Key features of PHOENOGUARD PX:

- Nearly maintenance-free
 - Online image output
 - Variable sensitivity problem classification
 - Customized automatic incident response
 - Provides belt maintenance schedule and scope
- Automatic detection and monitoring of:**
- Belt cover damage, such as longitudinal cuts, cracks, grooves etc.
 - Damage to belt edges
 - Fastener damage
 - Opening of splices
 - Lengthening of splices
 - Excessive/abnormal cover wear
 - Cord misalignment
 - Edge to outer cord dimension
- Belt tracking problem, leading to edge damage
 - Cord corrosion due to moisture penetration at cuts, cracks, repairs or splices
 - Condition of transverse cords
 - Failure of cords during service
 - Entrapment of foreign objects
 - Belt overlapping on pulleys
 - Belt speed monitoring
 - Insufficient belt cleaning

Key benefits of PHOENOGUARD PX:

- › Full knowledge of internal and external belt condition
- › Real-time, online image output and remote access
- › Customized automatic incident response
- › Preventive action before major damage occurs
- › Drastic reduction of maintenance and repair costs
- › Minimization of downtimes
- › Belt life prediction and maintenance scheduling
- › Longer belt service life
- › Unprecedented belt safety

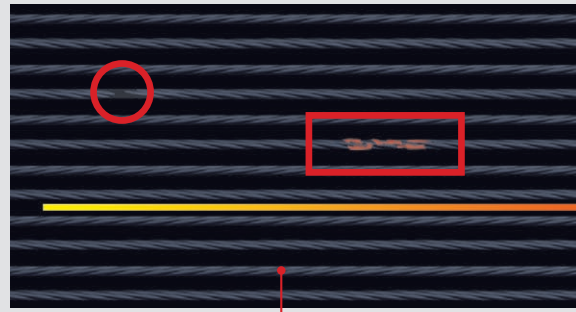




- ▶ Higher availability
- ▶ Unprecedented conveyor belt safety
- ▶ Longer belt service life



Customized automatic incident response



The revolutionary one-for-all PHOENOGUARD® PX system has a complete range of capabilities that includes both carcass and cover monitoring technologies.

The PHOENOGUARD® PX is continuously scanning the conveyor belt's steel cords and rubber covers during normal operation. If a deviation from the original conveyor belt state is detected, the exact position and size of such defect is immediately signaled, so that necessary measures can be taken. The filter, i.e. the size of the defects to be shown, will be programmed as per the customers preferences.





PHOENIX Conveyor Belt Systems GmbH has established a respected global market presence based upon innovative product design and cutting edge technology.

Our line of conveyor belt products is developed from engineered product designs that have been tested and proven to provide the highest level of performance in conveying applications worldwide. Dedication to all aspects of the manufacturing process and the highest level of quality control standards ensure that our products provide the best value to our customers. With over 100 years of experience and a multitude of world records, Phoenix Conveyor Belt Systems GmbH continues to demonstrate its position as the global leader in conveyor belt technology.

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