

- 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.

PHOENOGUARD PX allows you to detect and monitor everything from incremental damage to belt surface covers up to potentially catastrophic damage due to pending splice failure or belt penetration by foreign material. Belt alignment can be monitored along the conveyor length to ensure that the belt is not damaged due to contact with structural equipment.



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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PHOENOGUARD® PX Continuous Conveyor Belt Monitoring – One for all.

Belt surface damage



Damaged, broken and
corroded steel cords



Steel cord
misalignment



Belt mistracking



Splice integrity
monitoring



Embedded
foreign objects



Protruding cables



Edge damage



Belt thickness



Insufficient
belt cleaning

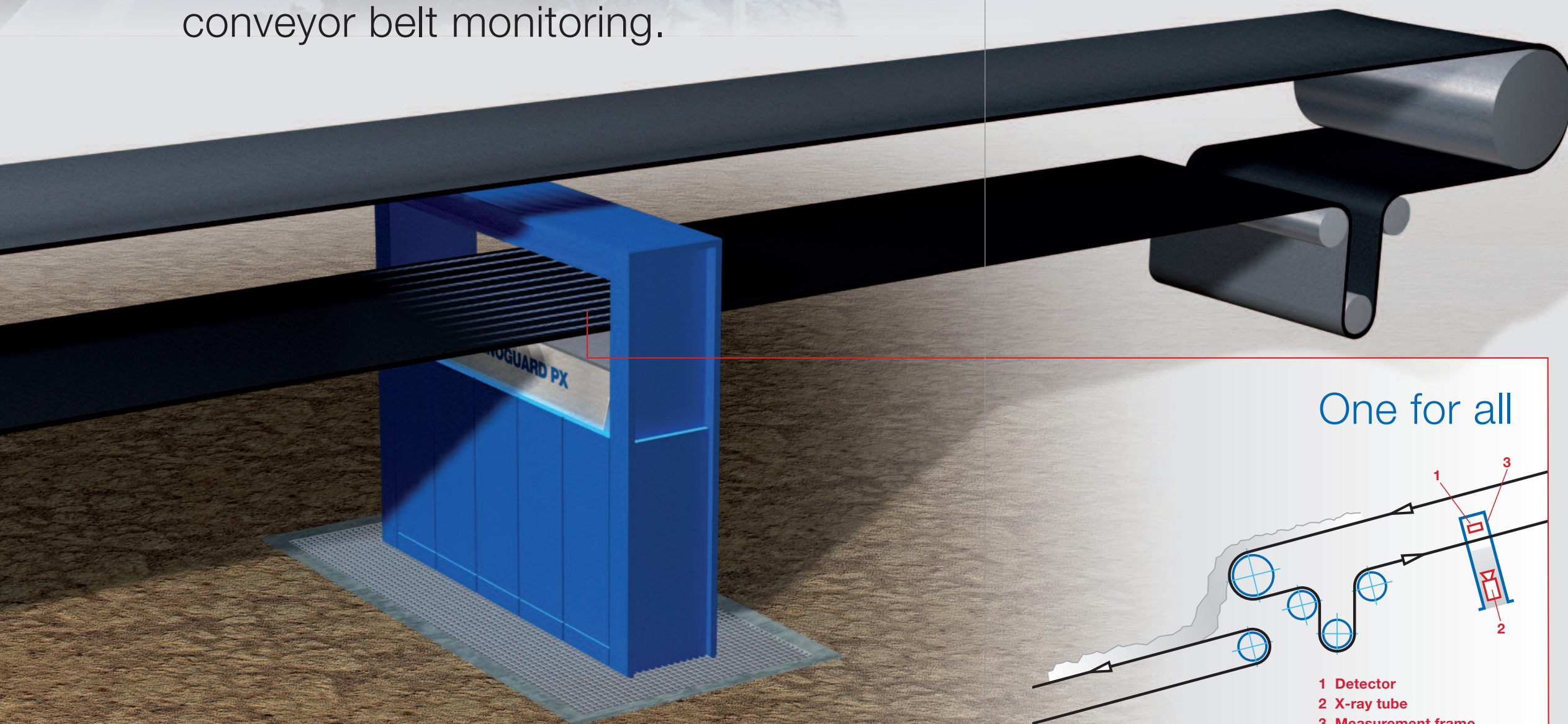


PHOENIX
Extreme Conveyor Belt Solutions

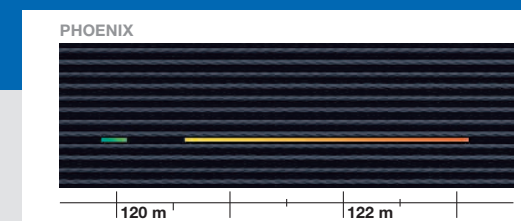
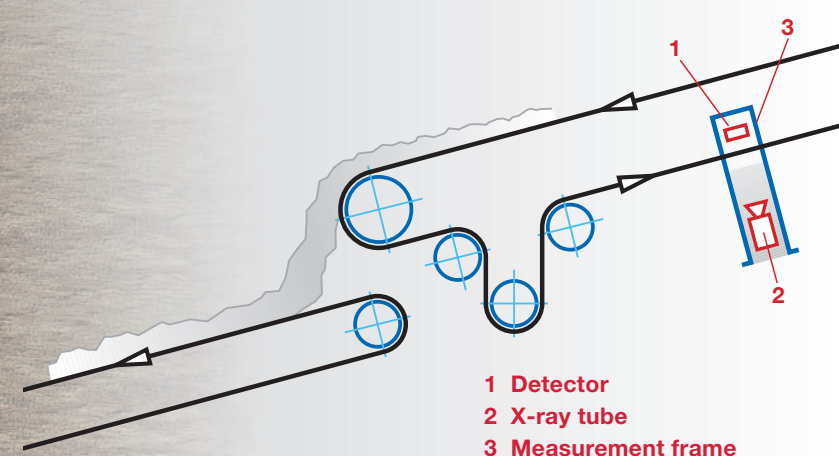


PHOENOGUARD® PX

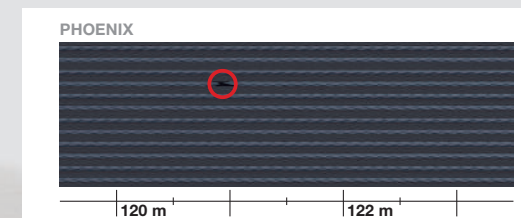
The perfect system for continuous conveyor belt monitoring.



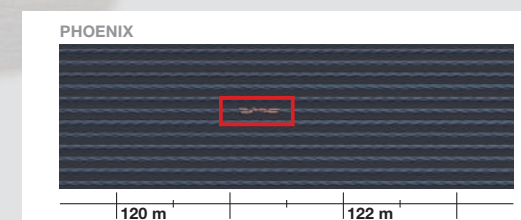
One for all



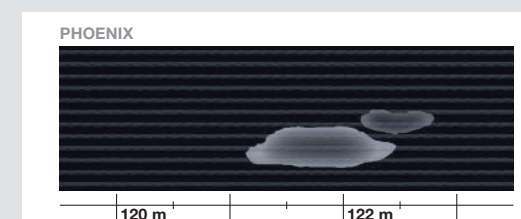
Belt rip (slitting)



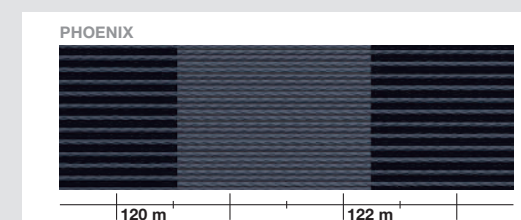
Broken steel cord



Steel cord corrosion

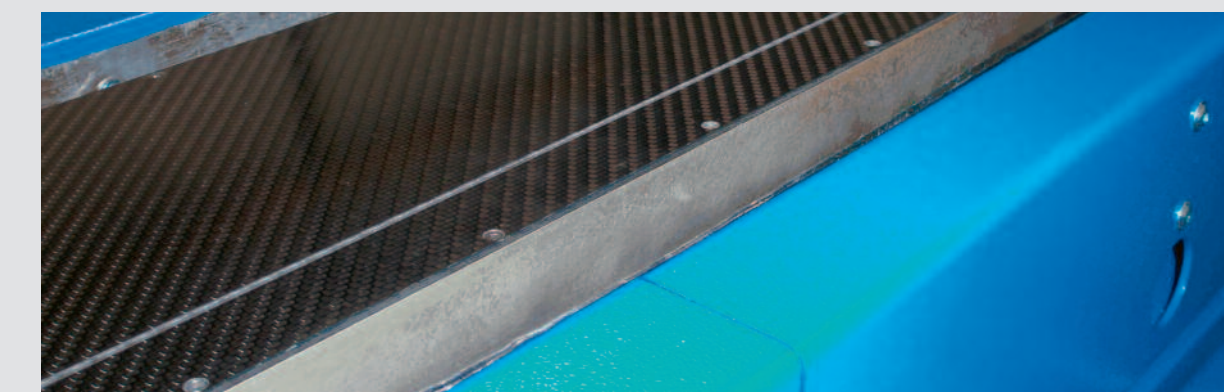


Cover rubber damage



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:

- Avoids unplanned conveyor shutdowns
- Necessary action can be taken before major damage occurs
- Increased belt service life
- Drastic cost savings due to reduced downtime.
- Drastic reduction of maintenance costs
- Monitors every cubic millimeter of belt
- Predicts remaining belt life time