

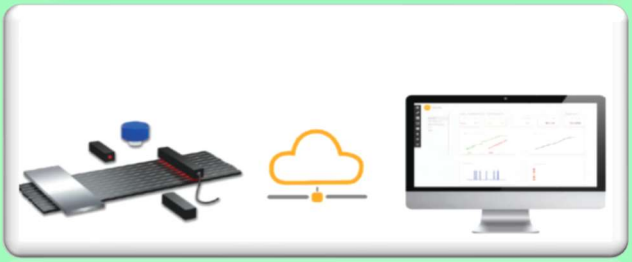
BELT MONITORING SYSTEM

Continental

Conveyor Belt Diagnostic Technologies

Continental Conveyor Belt Monitoring Systems generate an overall picture of conveyor belt health. Our reliable belt monitoring tools can easily be adjusted to accommodate the typical changes that occur over the life of a conveyor belt. Easy to interpret belt condition reports are objectively generated by Continental's monitoring software.





THE RIGHT MONITORING SYSTEM FOR EVERY CONVEYOR SYSTEM.

- **Best-in-class sensor technology**
- **Reliability and high-quality data output**
- **User-friendly graphical interfaces**

YOUR BENEFITS

a) **Reduces risk of catastrophic belt failure**
b) **Minimizes downtime**
c) **Increases belt life**
d) **Increases belt efficiency**
e) **Monitors over entire belt life cycle**

CONTI® Protect Systems

Saving belts with early damage detection.



CONTI® Cord Protect System

CONTI® CordProtect is a permanent magnetic system that monitors magnetized steel cord reinforced conveyor belts
for cord damages and tracks changes in the splice structure.

KEY FEATURE

- **Cord damage detection**
- **Belt splice monitoring**

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CONTI® MultiProtect System



CONTI® Multi Protect is a permanent magnetic system that monitors equally spaced embedded magnetized rip inserts. When using the Multi Protect flat array, the system can monitor for steel cord damage and splice integrity. Troughed arrays monitor the loading point for rip detection. Special pipe belt application allows for the rip insert functionality to also be used for orientation/rotation.

KEY FEATURE

- Cord damage detection
- Longitudinal rip detection
- Pipe belt position monitoring
- Belt splice monitoring

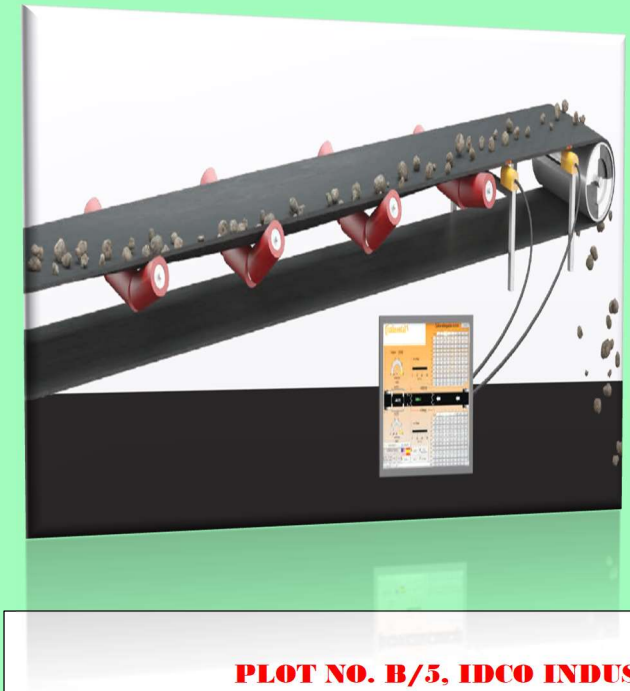
CONTI® Rip Protect Plus System

CONTI® Rip Protect is a permanent radio frequency system that detects and minimizes longitudinal conveyor belt rips by monitoring the condition of a series of embedded inductive sensor loops.

KEY FEATURE

a) Belt rip monitoring with “inverted” figure “8” antennae
b) Optional antenna identification with RFID
c) Independent two site monitoring





CONTI® SpliceProtect System

CONTI® SpliceProtect is a stationary system that monitors the elongation of high-tension steel cord conveyor belts to avoid splice failure by measuring the distance between unique magnetic markers embedded in each splice.

KEY FEATURE

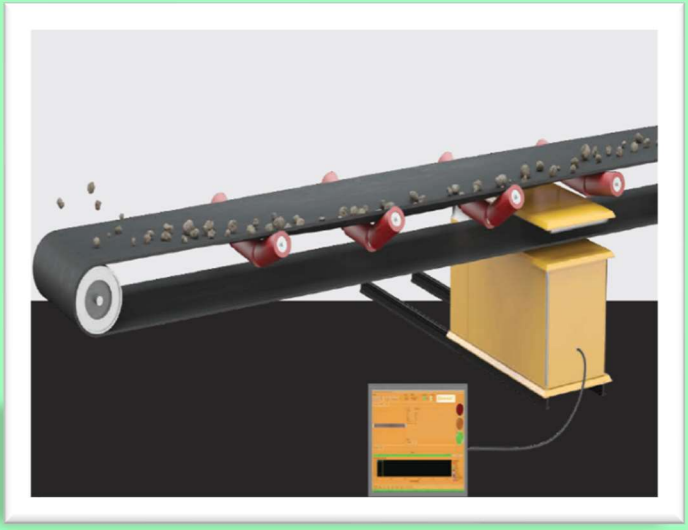
- **High resolution splice elongation monitoring**
- **Splice identification with magnetic markers**

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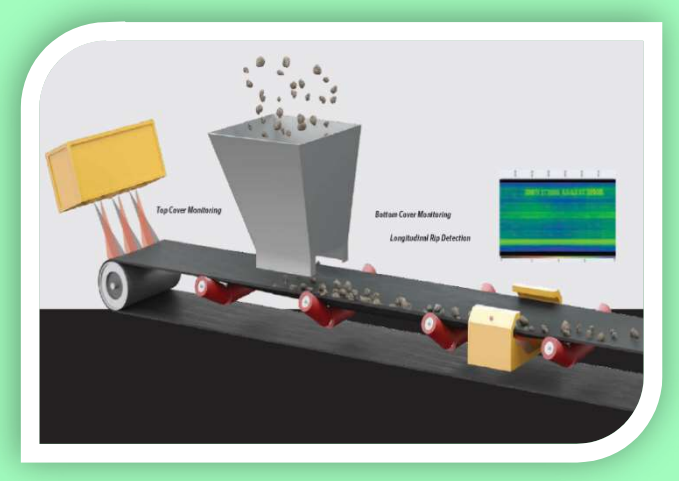
CONTI® TotalProtect System

CONTI® TotalProtect detects and monitors everything from incremental damage to the belt surface covers up to potentially catastrophic
damage due to pending splice failure or belt penetration by foreign material. TotalProtect works with x-ray technology.



KEY FEATURE

i. Belt cover damages, such as longitudinal cuts, cracks, grooves, etc.
ii. Belt tracking
iii. Damages of belt edge
iv. Fastener damages
v. Opening and lengthening of splices
vi. Excessive/abnormal cover wear
vii. Insufficient belt cleaning
viii. Cord misalignment
ix. Cord damages and corrosion
x. Entrapment of foreign material



CONTI® SurfaceProtect System

CONTI® SurfaceProtect is an online laser system that monitors the surface of the conveyor belt. The system evaluates the cover condition for
cuts and gouges or large impact damage events. Data is analyzed and reported with the position and dimensions of all surface damages

KEY FEATURE

1. Top Cover Monitoring
2. Bottom Cover Monitoring
3. Longitudinal Rip Detection

CONTI® Inspect Systems

Periodic belt inspection “check-up” services.

CONTI® CordInspect Service

CONTI® CordInspect brings Continental technicians to your operation to conduct a cord and splice integrity scan. Then they deliver a detailed
report of the findings to keep you running efficiently and give you peace of mind.



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FEATURES AND BENEFITS

1. Experienced technical team is deployed to your site
2. Image-based system is mounted to conveyor
3. Belt is magnetized and data collected over entire belt length
4. Customer report with damage position and magnitude identified





CONTI® WearInspect Service

CONTI® WearInspect uses laser-based sensors to measure overall-gauge (OAG). It displays a cross-sectional cover scan summary, segment
gauge and percent wear data, as well as wear positions and identified magnitude in an easy-to-understand PDF report.

FEATURES AND BENEFITS

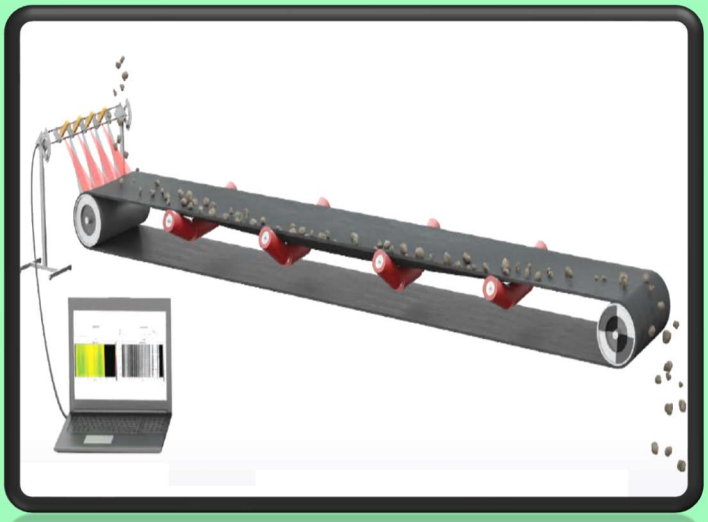
I. Experienced technical team deployed to site
II. Image-based system is easy to interpret and mounted to conveyor
III. Belt is scanned and data collected over entire belt length
IV. Customer receives a report identifying wear position and magnitude of wear

CONTI® Surface Inspect Service

CONTI® SurfaceInspect is a mobile inspection system that utilizes continuous belt scanning to to measure the cover surface topography of
the conveyor belt. Scanning can be performed at full belt speed. CONTI® SurfaceInspect then provides a compilation of digital 3D belt surface
mapping and evaluates the cover surface condition using variable defect thresholds and cover surface damage.

FEATURES AND BENEFITS

a) Periodic belt surface scanning procedure
b) Continuous measurement at full belt speed
c) Compilation of a digital belt surface map
d) Detection of all cover damages
e) Evaluation of cover condition by multiple thresholds
f) Customer report with all relevant damage information



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