

DUNLOP EAGLE EYE®

ADVANCED STEELCORD BELT MONITORING TECHNOLOGY

Even the strongest, heaviest steelcord belts can be ripped apart longitudinally over their entire length in a matter of minutes when foreign objects or sharp rocks penetrate them and become trapped. Although the use of breakers can help slow the process, a belt can quite easily be ripped apart over its entire length in a matter of minutes. The cost of repairing and replacing belts, both in monetary terms as well as lost production, can have very serious consequences indeed.

It is not physically possible to watch every meter of the conveyor for every working moment. Fortunately, Dunlop Conveyor Belting's outstanding Eagle Eye diagnostic technology solves the problem by providing 24/7 protection with steel cord condition monitoring, rip detection, splice condition analysis and much, much more. Eagle Eye acts as your eyes and ears by constantly watching and monitoring what is happening and letting you know if something needs your attention.

EAGLE EYE® ADVANCED – for Steelcord belting

Eagle Eye Advanced is the most advanced state of the art steel cord condition monitoring and rip detection system available in the market. While the system provides proven 24/7 protection through seamless integration with the conveyor control, it also allows users fast and easy access to information about conveyor belt's current condition. Eagle Eye Advanced also allows for the extraction of historical data to enable future maintenance and replacement predictions.

— COMPONENTS

Steel Cord Condition Monitoring Array with precise Encoder feedback, Magnetic Array, RF Sensors to analyse Inductive Loops embedded at set distances in the belting.

— APPLICATIONS

Any conveyor using steelcord belting.

FEATURES & BENEFITS

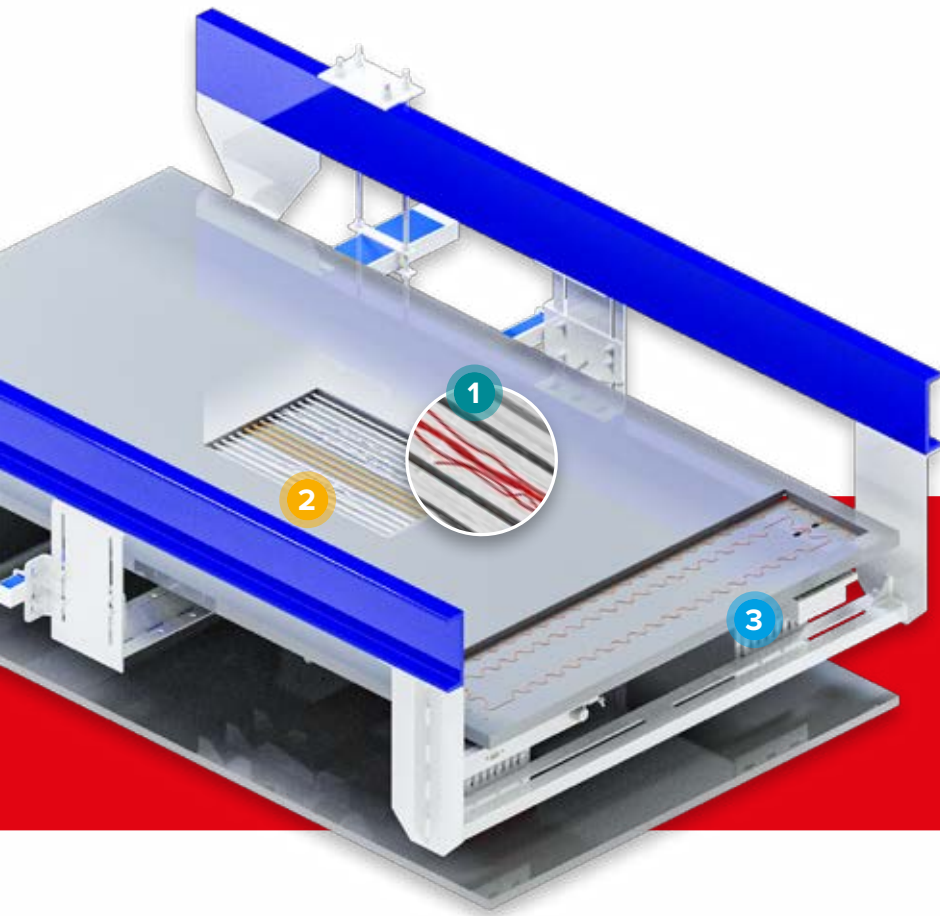
- ✓ 24/7 protection with steel cord condition monitoring, splice analysis and rip detection.
- ✓ Eagle Eye can position the belt at specified locations in order to conduct general inspections including splice joints, carry out repairs or for planned maintenance.
- ✓ Advanced real-time belt graphics to with the ability to select multiple view points and zoom levels.
- ✓ Multiple rip detection locations can be added to create up to four monitoring stations.
- ✓ Remote connectivity to other devices such as smart phones, tablets and control room computers.
- ✓ New multi-core processing that can link technical belt data with an intuitive interface for simplified user interaction and experience.
- ✓ Historical data collection for complete belt life analysis.
- ✓ Automatic reporting, extensive smart log messages and information filters.
- ✓ User-defined email and text message facility.
- ✓ Superior internal diagnostics for ease of system maintenance.
- ✓ Proven Allen Bradley PLC processing for reliable conveyor protection and ease of conveyor control integration.
- ✓ Custom engineered product to conveyor specifications manufactured in the USA at a certified Rockwell/Fenner Dunlop Facility.

HELPLINE
+31 (0) 512 585 555

ADDITIONAL INFORMATION
WWW.DUNLOPCB.COM

We are never more than a phone call away when our customers need our help or advice. This service is extremely well supported by our extensive network of highly reputable Dunlop Authorised Distributors, Vulcanisers and Approved Agents.





HOW IT WORKS

The system collects data from multiple sensors ¹ to build a detailed map of events. Once the map of data is complete it continuously monitors each splice and steel cord damage ² events for real time changes and trends the data so the user is able to forecast potential issues through an intuitive interface. The system also continuously monitors Inductive loops ³ at up to four points to ensure belting continuity and minimize risk.



Upgrade your existing Eagle Eye® Systems

Retrofit Kits are available to integrate with your existing Eagle Eye® technology. Any existing Eagle Eye® can be upgraded to our next generation system.

INTELLIGENCE AT YOUR FINGERTIPS

Eagle Eye Advanced makes it extremely easy to identify unexpected or developing belting problems quickly and pinpoint the failure area with precision. Also next generation internal diagnostics continuously monitors system hardware health and generates interactive troubleshooting steps to diagnose and resolve if a problem should occur.



Splice, damage and rip detection events are actively tracked as the conveyor stops.



Splice anomalies are easily quantified and located within the splice grid display.



System Overview allows a quick look at the health status of the system and each sensor.



List of troubleshooting steps for each fault.



New Interface

The new interface allows for additional processing power which enables Eagle Eye Advanced to collect, store and analyze historical data, and then provide improved performance trends as to how something might fail, helping you to have a more comprehensive understanding of the belt life. In addition, our new system offers increased connectivity, which can be accessed from any smart device including emails and a new texting feature.



Supporting access from mobile devices

All data and recommendations in this leaflet have been supplied to the best of our knowledge, as accurately as possible and updated to reflect the most recent technological developments. Some products may have been changed or rendered obsolete in the light of more recent technological developments. We cannot accept any responsibility for recommendations based solely on this document.