

CAPABILITY STATEMENT

Continuous Mobile Digital Radiography:

Utilising the latest technology CHS can provide for continuous digital radiography for complete belt lengths up to 2.2m wide. The facility to carry out spot radiography is also available for systems requiring reduced coverage or activity. Both processes unlike others provides for immediate results enabling quicker diagnostic evaluation.

Mobile, Appointed & Remote Steel Cord Scanning Systems:

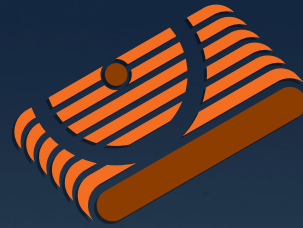
Steel cord Conveyor Belt Scanning using our in-house developed "Belt Monitor" software allows for the internal examination of the steel cord belt carcass to be mapped and the structural integrity of the system as a whole to be quantified. The APPOINTED system delivers repeatable data ensuring all changes to the internal structure are viewed against previous data sets while the REMOTE systems allows for off-site data retrieval and examination.

Ultrasonic Belt Gauging:

The use of ultrasonic equipment to periodically gauge conveyor belt covers allows for life predictions and wear rates to be established for a given system. Combined review of system predictions will provide valuable stock holding data and lead to reduced \$'s on the ground. The associated software allows for rolling wear previews previously unavailable.

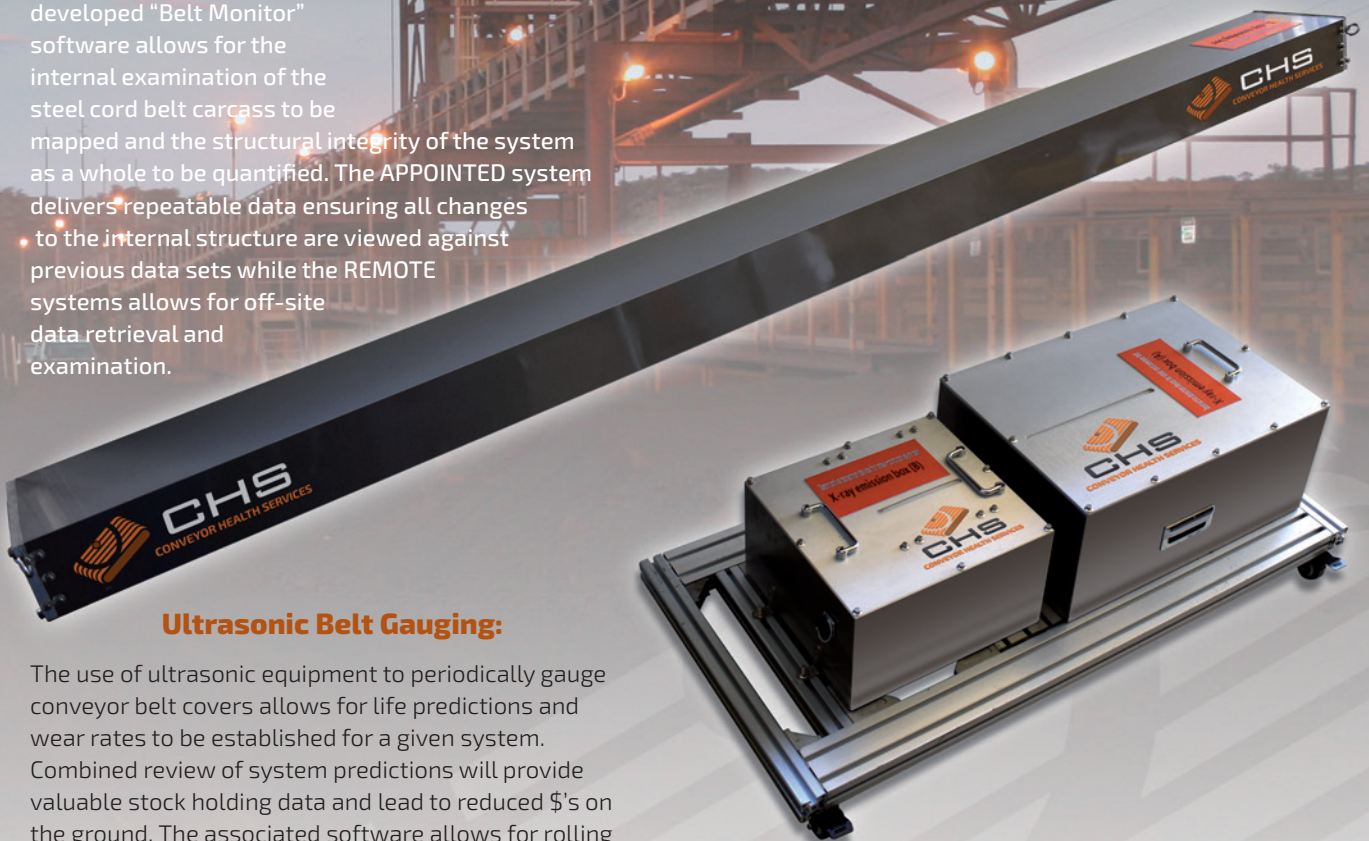
Splice QA & Splice Supervision:

Correctly manufactured splices are determined through the correct use of equipment, materials, the control of environmental conditions and of course the technicians undertaking these functions. CHS provide for full coverage to ensure all the required manufacturing parameters are being followed backed with over 25 years within the belting industry.



CHS

CONVEYOR HEALTH SERVICES



RECORD



ANALYSE



MANAGE

Visit us online at:

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Record:

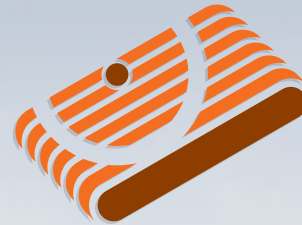
- Using continuous and spot x-ray technologies.
- Using ultrasonic technologies.
- Using Magnetic Flux Leakage (MFL) technologies.
- Using doppler radar technologies.
- Using high speed video.
- Using appropriate electro-mechanical servo systems.
- Using suitably conditioned data logging technologies.
- The current condition of a conveyor belt its splices and noted anomalies.
- Quality information to allow for quantifiable evaluation of the risk and exposure.
- Other specific issues under inspection.

Analyse:

- The internal images provided through use of x-ray for belt carcass, splice and damaged events.
- The Magnetic Flux Leakage (MFL) output from belt scanning and comparative alignment against previous data sets.
- The detailed ultrasonic gauging output for conveyor belt covers and associated splice manufacturing equipment.
- The length and velocity of the conveyor belt.
- Tracking and related alignment issues.
- The data sets obtain for various inspection technologies.
- Those processes through a particular activity in need of confirmation or as a part of the QA processes.

Manage:

- Damage monitoring and migration.
- Splice monitoring including damage and elongation.
- Potential failures and prior notifications.
- Belt change outs & stock levels.
- Planned outages and maintenance activity priorities.
- The belts condition and suitability for continued service
- Ancillary equipment requirements.



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Results & Savings:

- No injury to personnel or equipment.
- Carried out without disruption to regular maintenance activities.
- Limits catastrophic belt failures and extends the belt life.
- Reduction of unplanned downtime.
- Systems fully operational under appropriate measures.
- Extended service life of product.
- Early warning of potential issues and trending analytics.
- Improved maintenance prioritising activities.
- Improved maintenance scheduling.
- Improved manning schedules.
- Overall reduction in remediation costs.



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