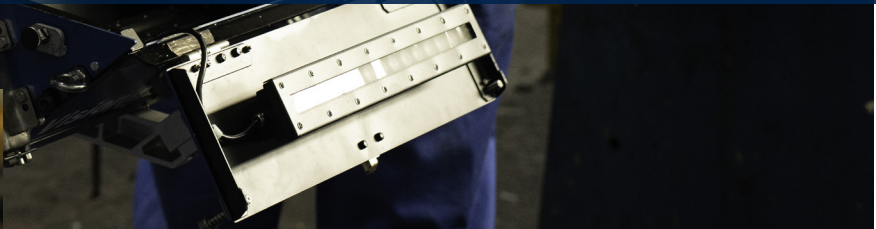




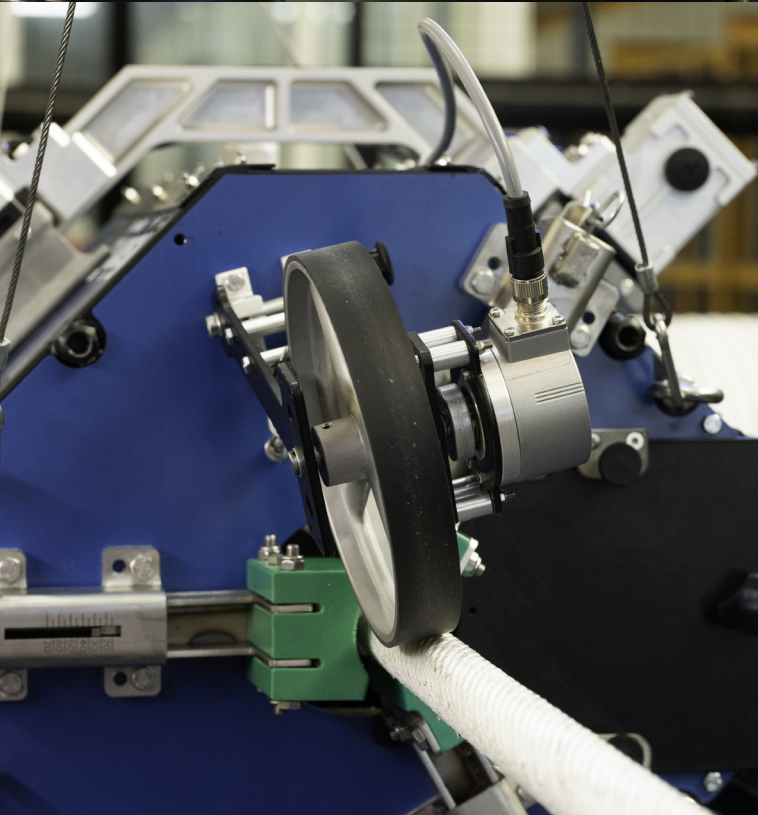
BRIDON · BEKAERT
THE ROPES GROUP

VisionTek

Maximizes the lifetime of ropes and monitors the rope integrity in use



VisionTek is the leading 3D optical measurement technology that runs performance and surface algorithms to compare real-time performance with critical rope parameter requirements.



The technology creates a 360 degree reconstruction of high quality rope surface in both steel and synthetic ropes in fixed and mobile units. VisionTek provides real-time analysis, digital data, and expert monitoring of critical working ropes, increasing rope life and operational safety.

Features

- ✓ Available as a **service unit** or as a **permanently installed fixed unit**.
- ✓ VisionTek is the only monitoring system available for **synthetic ropes**.
- ✓ **Custom designed** equipment is available for fixed units upon request.
- ✓ Technology shows **'what eyes can't see'** and **'where eyes can't see'**
- ✓ Unit has CE Marking and 3rd party calibration

Feature	MRT	VisionTek Measurements	VisionTek Surface Analysis	VisionTek Add-Ons
Diameter		✓		
Roundness		✓		
Lay Length		✓		
Waviness		✓		
Axis Alignment		✓		
Loss of Metallic Area	✓			
Internal Broken Wires	✓			
External Broken Wires	✓	✓	✓	
Abrasion	✓		✓	
Internal Corrosion	✓			
External Corrosion	✓		✓	
Lubrication			✓	
Images Recording			✓	
Advanced Vibration Measuring				✓



Remote Monitoring

The system allows to visually inspect and analyse rope's surface and geometrical parameters from a remote location, providing digitalization and automatization of rope inspections.



Advanced Condition Assessment

VisionTek's findings are objective. Our wire rope experts provide in-depth analysis of the data to make proper rope assessment also in combination with MRT unit. Results are provided against ISO 4309 discard criteria, or any other applicable/corporate standard.



Increased Safety


By regularly inspecting the rope, our experts can recommend corrective actions, potentially extending and estimating the life of the rope and ensuring safety in use.

About Ropes360

Bridon-Bekaert Ropes Group's Ropes360 services offer an extensive range of options for steel & synthetic ropes, including:

- Installation
- Maintenance
- Inspection and non-destructive examination
- Guidance on discard & feedback
- Rope record management & rope certification
- Relubrication
- Splicing
- Advanced Remote Monitoring System

Contact Us

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