

## Main advantages

### Detects all belt damage

- No need for any other monitoring system
- Stops the belt when critical damage happens at loading or unloading point

### Suitable for all flat belts

- It suits any textile or steel cord belt
- Independent from any belt manufacturer

### Online automatic 24/7 monitoring

- Automatic damage detection while driving damaged section to repair station
- Adapts automatically to new and used belts

### Non-contact optical monitoring

- No loops, coils or modifications to the belt needed

## Made for extreme conditions

### » Heavy duty accessories included:

- Unique mechanical device protection
- Electric air blower with two stage air filtering excess pressure on the lenses
- Automatic motorized roll-off film lens protection

### » Minimal service needed

### » Rugged design with marine aluminium and stainless steel

Learn more:

[www.roxon.com/hx270-product/](http://www.roxon.com/hx270-product/)



## Specifications

| Belt width    | Max belt speed | Operating temperature | Operating voltage | Weight   |
|---------------|----------------|-----------------------|-------------------|----------|
| 750 - 2400 mm | 10 m/s         | -40 to +55 °C         | 220 - 240 VAC     | < 150 kg |



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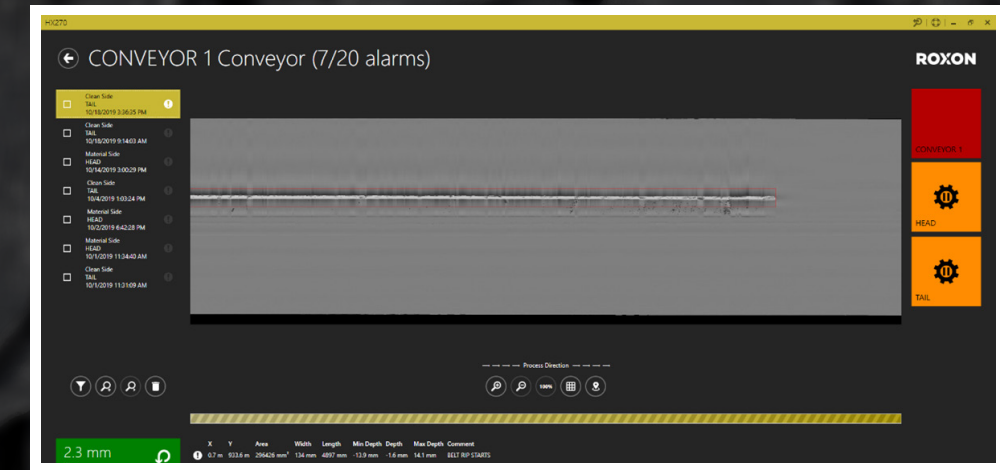
# ROXON

## Belt condition monitoring HX270



## Intuitive User Interface and easy system integration

- User friendly Windows PC User Interface
- Supports one or several conveyors with one or multiple monitoring devices
- All damage data is stored to database
- Universal potential free relay contact interface for system integration to any PLC or automation system



### HX270-1 Belt material side monitoring

- Continuous belt monitoring after the unloading point
- Detects gouges, cuts and tears which are typical at the unloading area
- Optional belt thickness measurement for belt wear monitoring
- Splice damage and elongation detection

### HX270-2 Belt clean side monitoring

- Continuous belt monitoring after the loading chute
- Robust belt rip detection without any loops or modifications to the belt
- Detects holes, tears and cuts which are typical at the loading area
- Splice damage and elongation detection

### Precise online belt thickness monitoring

- Submillimetre precision belt thickness measurement for belt lifetime prediction of each belt segment



Products are CE-marked