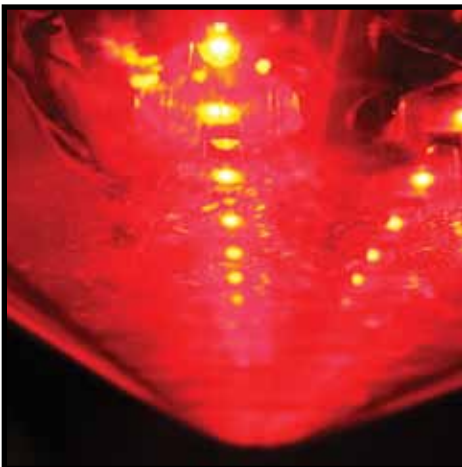
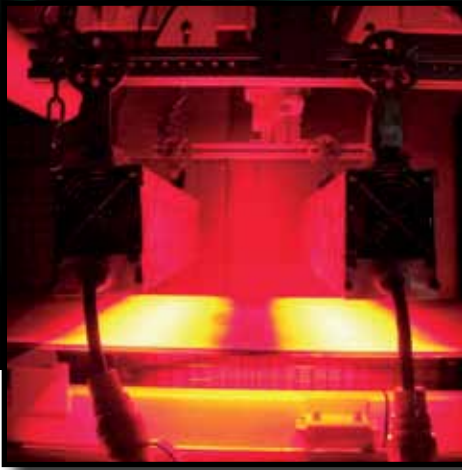


# Belt Vision



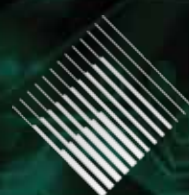
Pillar Innovations has an efficient solution for monitoring splices for damage. Belt Vision allows users to manage their belts with preventative maintenance rather than repairing a splice after a break occurs. Belt Vision captures high resolution images of splices while the belt is in normal operation. There is no need to slow the belt down for images to be taken. This allows the users to view splices on a regular basis and at their convenience. Belt Vision constantly monitors all splices and allows you to schedule and perform necessary repairs before there is a costly and time consuming break.

## Capabilities:

- Generates high resolution images of the splice
- Records and archives the images for viewing deterioration over time
- Displays the image of the splice on the local interface
- Distributes the images over an Ethernet network utilizing a web-based application

## Consists of:

- High speed line cameras to capture images of splices at belt operational speed
- LED lighting to illuminate splices and ensure a durable, long-life light source
- A computer to digitize and analyze camera images
- A flat panel touch screen for user control and navigation
- Cabling to control panel, cameras, and lights



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# TAKING THE HIGHEST TECHNOLOGY TO NEW DEPTHS



Actual Captured Splice Image

An optional web server and software package is available to store images in a database which can be accessed from any web browser on the network. Belt Vision can be mounted in two configurations. The unit can hang vertically from the conveyor structure or it can be mounted horizontally on a frame. If the horizontal setup is chosen it must be installed facing a drive roll or an end pulley. Belt Vision should be mounted within 300 feet of a network source and within range of a reliable 120VAC, 20 amp power source. The unit requires approximately 30-42 inches of clearance, depending on the width of belt. Belt Vision can be used on belts up to 96 inches wide and operating at speeds over 1,000 fpm. The Belt Vision system is factory configured to customer specification and is ready for installation upon arrival. Once installed, minimal fine tuning and maintenance is required to keep the system functioning at peak performance. The most common task is occasionally cleaning lights and camera lenses. The modular design of the unit allows for ease of relocation or to other belt lines, making the system ideal for Longwall Panel belts.

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