

## Accurate & Real-Time Width Measurement of Fabrics

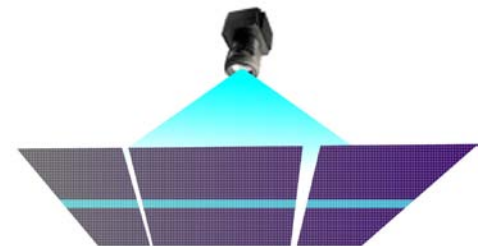


- SlitRight™ integrates sophisticated hardware with proven technologies for real-time monitoring of multiple fabric panels.
- SlitRight is equipped with one or more high-speed and high-resolution digital line-scan cameras that provide accurate measurements.
- At the heart of the SlitRight system is the intelligent software that combines advanced R&D and experience into an automated solution for monitoring and measurement.

## Why SlitRight?

- Provides very accurate in-process width measurements for a single or multiple panels.
- In-process monitoring significantly improves the quality of production.
- Continuous online monitoring is essential for reducing startup and setup costs.
- The built-in OPC and DDE open interfaces allow integration with plant control systems, if required.
- Optional “Control” configuration allows automatic warning or shutdown for below quality production.

*“A complete and affordable system that combines advanced hardware and software, to measure widths in real-time and improve production quality.”*



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# An Advanced Vision-Based Measurement System Packaged at an Affordable Price

SlitRight has a user-friendly interface. It displays widths of each segment of fabric individually - graphically as well numerically. Operators with minimal background in computer usage can be easily trained to use the system.

SlitRight can optionally provide statistical information about each segment in view. Such information is very useful in managing startup costs and meeting Statistical Process Control targets.



## Features:

- Advanced high-speed digital linescan cameras
- Accurate in-process width measurements.
- Detect and reduce smaller or wider fabric segments while the product is still being manufactured
- Optional Automatic Control alarms or shuts down the machine when bad quality production is detected
- Simple calibration helps in overall quality

### Technical Specifications:

#### SlitRight Utilities:

SlitRight comes with several utilities. These help in setting up and configuration of the SlitRight System to meet specific customer requirements.

CalibrateSR™ is a user interface that helps in configuring the calibration and product parameters. For example, a different nominal value can be assigned and different tolerance levels can be selected to handle each product's unique requirements. A built in OPC Server and DDE interface provide internal variables and product measurements to the plant network for extended analysis and quality control, if required SlitRightCon™ is an optional package that is used to shutdown the machinery or sound an alarm when control limits are crossed.

### SlitRight System

#### Product Range:

Minimum Panel/Segment Diameter: 8 inches (20.32 mm)  
Maximum Fabric Width: 110 inches (2.8 m)  
Line Speed: 360+ feet/min (110 m/min)  
Colors: Color independent

#### Software:

Operating System: Microsoft Windows XP®  
Monitoring System: SlitRight- Impact Technologies, LLC  
Proprietary Software  
Utilities: CalibrateSR – To calibrate and configure  
OPC/DDE – For plant network integration (if required)  
SlitRightCon – (Optional) For alarm and Control

#### Industrial Computer:

Processor: Intel 2.0GHz or better

#### Imaging:

Network: Ethernet port for integration into plant network  
LineScan Camera: Digital linescan cameras  
LineScan Speed: 9600 lines/second  
Resolution: 4096 pixels per line per camera  
Pixel Size: 7 m x 7 m