

THE FUTURE OF WEB GUIDING



IS HERE

**GAME CHANGING
SENSORS AND CONTROLLERS
FROM ROLL-2-ROLL TECHNOLOGIES**

IT ALL STARTED WITH A BOLD IDEA

HIGHLY ACCURATE SENSORS CAN ALSO BE ADAPTIVE.

Three graduates of Oklahoma State University, home of the Web Handling Research Center started with a simple goal: leverage new technology to improve traditional web guiding practices. Their findings led to the development of a sensor that can sense any material at any width, eliminating the need for multiple sensors and the time associated with changeover.

Today Roll-2-Roll Technologies leads the industry with sensors and controllers that depart from traditional methods of web edge detection to solve the most difficult and challenging problems for alignment, positioning, and width measurement.

Now is the time to simplify your web handling process with agile, user-friendly sensors, controllers and web guide retrofits.



A SINGLE SENSOR FOR ANY MATERIAL

Sensors from Roll-2-Roll rely upon a unique sensing principle that incorporates the light scattering and spatial filtering properties of fiber optics to accurately determine web position. Paired with the SCU5 Controller or as a retrofit application, Roll-2-Roll sensors are an affordable alternative to vision based sensing systems.

Imagine running a transparent material to an opaque material, or porous to non-porous webs, without having to change sensing heads or recalibrate your system settings. Thread any material and go!

Measure and monitor

- Edge position
- Contrast position
- Position of a line
- Web width measurement
- Thread count

Configurable to suit any web width

Available with Infrared, White Light or UV Light Source



SMART CONTROLLERS

Put the extensive data from Roll-2-Roll sensors to work with a smart controller that is flexible, intelligent, *and* easy to use.

An intuitive display has language independent icons for quick selection between edge, centerline, contrast or line guiding.

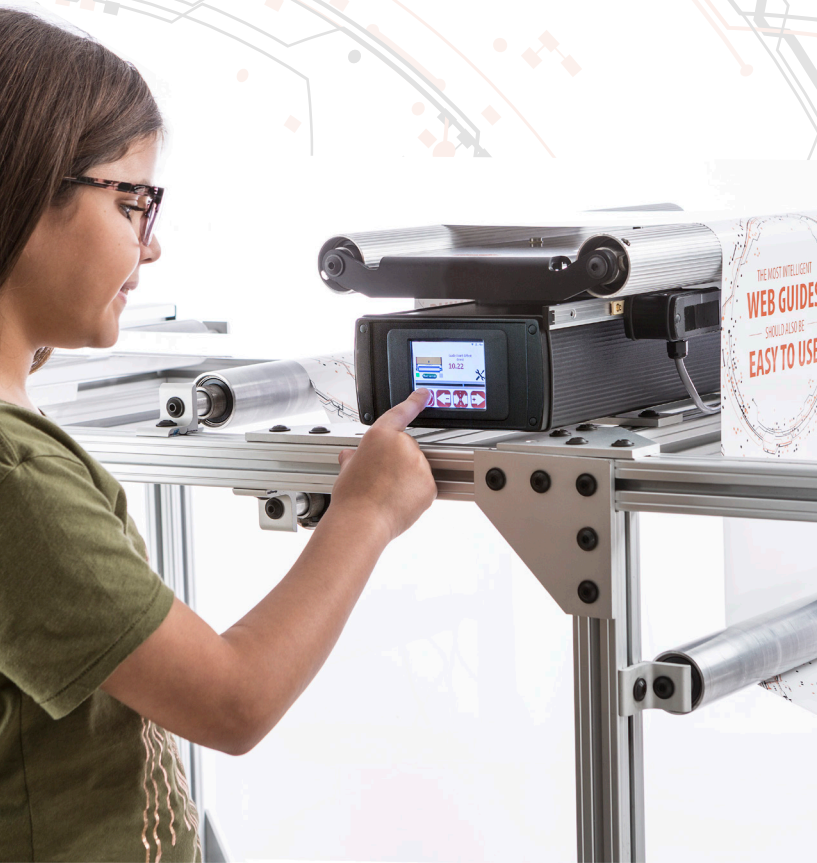
The SCU5 controller serves as a stand alone sensing/measurement system or as a closed-loop control system.

Operate the controllers remotely through Ethernet or locally with a touch screen display.

For stand-alone sensing and measurement or a closed-loop control system

Simple icon based, language independent operator interface for worldwide use

Ethernet capabilities and advanced interface for connectivity to PLCs



RETROFITS TO IMPROVE PERFORMANCE

Eliminate sensor adjustments and associated downtime by adding new Roll-2-Roll technology to any existing pneumatic, hydraulic or electromechanical web guiding system.

Keep the existing mechanical assembly and upgrade the sensor, controller and actuator to improve the performance and efficiency of your guiding system at an affordable cost.

Affordable web guide replacement

For Offset Pivot Guides, Rewind/Unwind and Steering Guides

Complete with actuators, web position sensors and controllers

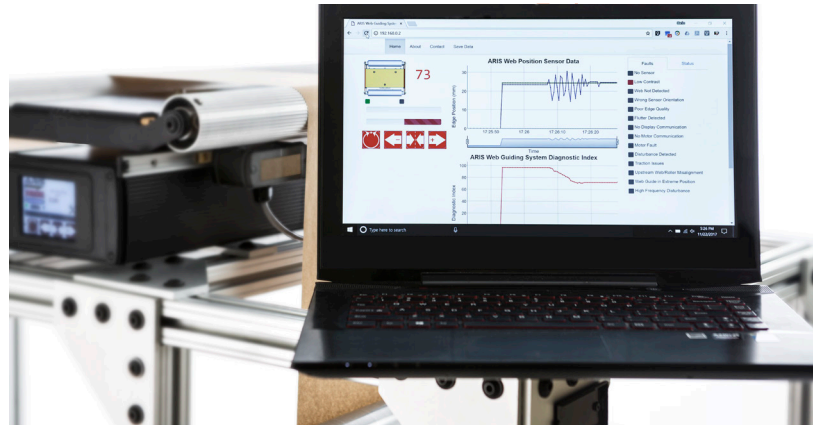


NEW TECHNOLOGY FOR TODAY'S PROCESS LINES

For a more productive converting line, eliminate sensor adjustments and associated downtime with Roll-2-Roll technology. In addition to retrofits and sensor upgrades, we can provide new Rewind and Unwind Guides, Displacement Guides or Offset Pivot Guides, Low Profile and Wide Web Guides.

Web Guiding Systems

All web guides operate with our plug and play sensors, so they're simple to install and easy to operate. These guides are capable of accurately aligning porous, non-porous, opaque and clear materials without the need to calibrate the sensors or navigate a cryptic operator interface.



Unwind/Rewind Guides

Our web guide systems for unwind and rewind applications pair the latest control and sensor technology with guide structures for a complete, cost-effective system.

Highly capable for a wide range of situations, from compact systems for narrow webs to heavy-duty solutions capable of shifting 15,000 lbs (6600 kg).

Quick to Respond. Easy to Reach.

phone +1 (888)-290-3215

website www.r2r.tech

in person