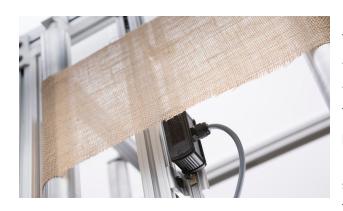**Roll-2-Roll**
Technologies

Highly Accurate Sensors Can Also Be Adaptive

Eliminate calibration. These sensors learn and adapt on the fly.
The Roll-2-Roll Sensor can measure edge position, contrast position, the position of a line on the web, web width, count and monitor threads of any material without the need for any setup or calibration. The sensing principle relies on light scattering and spatial filtering properties of fiber optics to accurately determine the web position. Roll-2-Roll Sensor is essentially an affordable vision based sensing system different web sensing applications.

The patented fiber optic sensing principle enables the plug-and-play sensor technology. The sensor technology adjusts automatically to the physical characteristics of the material and provides an accurate position measurement. Web Position Sensor system is an affordable vision-like sensing system which can be used for edge, line, contrast, width, diameter, marking detection, and other applications, without the hassles of traditional vision systems.

GENERAL SPECIFICATIONS

Sensor Type	Fiber optic
Sensor Resolution	0.0635 mm or 0.125 mm
Sensor Range	48mm, 112 mm 221 mm, 440 mm
Light Source	Infrared, Ultraviolet or White light
Sensor Frequency	50 to 200 Hz

BENEFITS

- **Increase productivity** with no setup and calibration after product changeover
- **Save time** with plug-and-play operation
- **Reduce waste** with high accuracy and high precision measurement
- **Reduce downtime** with increased sensor reliability
- **Save money** with an inexpensive alternative to vision systems
- **Save money** with a single solution for multiple sensing applications instead of warehousing multiple sensors
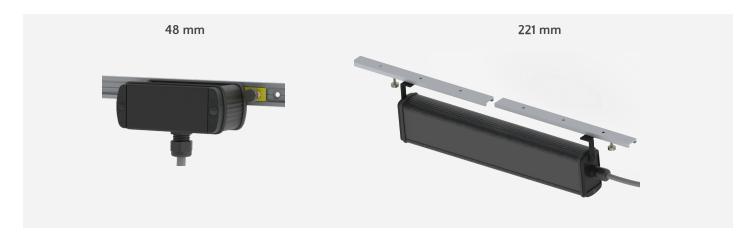
To order (direct from factory):	**Your local contact is:**
By phone: **+1-888-290-3215 ext 01**	
By e-mail: **sales@r2r.tech**	
Online: **https://r2r.tech/request-quotation**	

SENSOR OPTIONS

48 mm

221 mm

SENSING APPLICATIONS

Edge Position Sensing

Contrast/Line Position Sensing

Contrast to Edge Measurement

String Counting and Measurement

Width Measurement

Mark Detection (Visible or UV)

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