

## **Roll-2-Roll Technologies rolls out a wider sensor**

Roll-2-Roll Technologies is bringing a bigger and better sensor to the roll to roll industry, answering the industry's call for a wider sensor.

The extra wide sensor, WPS220, measures 221 mm, which is above four times the width of the 48 mm sensor, WPS48 already available in the market.

The extra wide sensor is able to cover a wider width without having to be adjusted and is ideal for center guiding. In addition it includes all the benefits of the previous sensors in the Roll-2-Roll Technologies line, such as adaption to any material, 99 percent accuracy without any manual adjustments or calibration.

### **How It Works**

The WPS line of Roll-2-Roll Technologies' sensors employs a patented technology that works differently than any other currently available sensor in the market. It uses the reflection of infrared light to take a picture of the edge of the material. This picture is then processed using digital signal processing algorithms to accurately sense the true position of the material irrespective of its physical properties.

Other sensors use a blocking technique where the web is used to block light, sound or air. Since the amount of blocking depends on the material properties, the current sensor technology is less accurate with porous or transparent material. Ultimately the web guiding performance is affected by the inaccurate sensor measurement.

For more information or to get on the waiting list to purchase the sensor in June, please contact Roll-2-Roll Technologies at [info@r2r-tech.com](mailto:info@r2r-tech.com) or 888-290-3215.