

Scanning Above the Rest

NEW AkroSCAN™ Sensor for TGIS-SL® Tire Geometry Inspection

Ride Quality Products' Geometry Systems Division is now improving on its market leading technology for TGIS-SL end of line tire geometry inspection systems. Looking to maintain its leadership in providing cutting edge technology to the laser tire inspection market, Geometry Systems introduces the new AkroSCAN™ laser sensor. This new sensor has increased measurement area, faster scanning rates, higher resolution, and Ethernet Gigabit Communications.

The new AkroSCAN sensor provides a huge increase in the measured area of the tire. The new scanning width allows for a more complete measurement of the tire. Not only can tire manufacturers scan more of the tire but they can also test a larger range of product through the system, including truck tires. The entire radial tread width, up to 320mm, can be scanned with multiple tread tracks graded for run out. Passenger and truck tires can now be quickly scanned for bulges along a 170mm area of the sidewall. With the increased measurement capabilities, tire manufacturers will be able to build a complete picture of the tire, from bead to bead, on most tire sizes. This will help manufacturers improve the

TGIS-SL®

sidewall appearance of tires and improve testing for ride quality issues on the tread surface.

Another improvement that can have significant savings for the tire manufacturer is the increase in scanning rate for the AkroSCAN from 2000 to 4000Hz. Geometry Systems is currently working with several manufacturers to reduce cycle times in the final finish process using this sensor. A secondary benefit of the scan rate is an increase in resolution with 3 – 6 million data points depending on 2kHz or 4kHz settings. This can help manufacturers with tires that have excessive sidewall lettering and designs. With the increase in resolution comes an improvement in communications through the use of Ethernet. This allows the large increase in data to be reliably transmitted over much longer distances.

With over 200 TGIS-SL laser geometry systems reliably testing tires, Geometry Systems is committed to providing its customers with the best technology and service possible. The new AkroSCAN is another example of this commitment. With multiple installations

in every major tire manufacturing region, we continue to provide unique, innovative solutions that will improve our customers' quality.

Geometry Systems is located in Akron, Ohio, USA.

www.itwrqp.com

1-330-784-1251

"I don't think anyone in the world will have a better geometry testing setup! We have been able to reduce false rejects and increase our daily production by 4%."

Eddy Edwards
Process Engineer
Continental Tire North America
Mt. Vernon, IL



Geometry Systems

1624 Englewood Avenue, Akron, OH USA 44305