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PERCEPTRON INTRODUCES NEW “WheelWorks® NON-CONTACT WHEEL ALIGNMENT LASER SENSOR

WheelWorks HNCA utilizes Perceptron’s innovative Helix™ smart sensor technology

Plymouth, MI, December 2, 2015 – Perceptron, Inc. (NASDAQ: PRCP), a leading global provider of non-contact 3D measurement, inspection and automation solutions, introduces the all-new WheelWorks ‘HNCA’ non-contact laser sensor and software toolkit for automated wheel alignment measuring systems that utilizes Perceptron’s Helix smart sensor technology.

Vehicle wheel alignment is critical for both vehicle safety and performance. With today’s speed and accuracy requirements, laser-based non-contact sensors are the preferred measuring technology for automatic wheel alignment systems. Wheel Works HNCA brings the next generation of true 3D scanning sensors for automated wheel alignment applications.

Perceptron’s Helix laser sensor technology uses state-of-the-art MEMS (Micro Electro Mechanical System) technology with sophisticated optics and mechanics. The laser line quantity, density, length and orientation characteristics are all user-configurable and allows for the capture of true 3D data. This enables fast and highly-accurate alignment calculations for all tire sizes and geometries.

Features and benefits for the WheelWorks HNCA include:

- Extremely rugged, cost-effective industrial design with no moving parts
- Multi laser line configurations up to 37 lines
- Accuracy under 1 minute for toe and 2 minutes for camber
- Automated laser intensity for a wide variety of plant lighting conditions
- Multi-sensor synchronization
- Small footprint and weight
- Retrofit to older wheel alignment systems
- Fully thermally-compensated and humidity resistant
- Simplified software toolkit integration
- Eye-safe 2M Class laser

The HNCA sensor is ruggedized for industrial environments with no moving parts, made of aircraft quality aluminum housing and an IP54 environmental rating. Small footprint of 279 mm x 125mm x 76mm in size and weighs just 2.0 Kg. The 2M Class rated laser is eye-safe with a 659 nm wavelength. Sensor standoff is 400 mm with a large field of view to enable ease of integration.

This solution is distributed through wheel alignment system OEMs and is available immediately.

About Perceptron®

Perceptron (NASDAQ:PRCP) supplies a comprehensive range of automated industrial metrology products and solutions to manufacturing organizations for dimensional gauging, dimensional inspection and 3D scanning. Products include 3D machine vision solutions, robot guidance, coordinate measuring machines, laser scanning, and advanced analysis software. Automotive, aerospace and other manufacturing companies globally rely on Perceptron's metrology solutions to assist in managing their complex manufacturing processes to improve quality, shorten product launch times and reduce costs. More than 900 systems, 12,000 Perceptron measuring sensors and over 3,000 Coord3 coordinate measuring machines are in active daily use worldwide. Headquartered in Plymouth, Michigan, USA, Perceptron has subsidiary operations in Brazil, China, Czech Republic, France, Germany, India, Italy, Japan, Singapore, Spain and the UK.

For more information, please visit www.perceptron.com.



Figure 1: Two WheelWorks HNCA sensors measuring an automotive wheel.

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