

OPTICAL HIGH-TECH MEASURING DEVICE FOR THE RECORDING AND MEASUREMENT OF ANY CONTOUR BY HAND

Calipri Universal – A milestone in measurement and testing technology at the Control 2010

Graz (27/04/2010) – NextSense Mess- und Prüfsysteme GmbH, at <http://www.nextsense.at>, will be presenting the latest advancement of the Calipri high-tech measuring device as a universal testing aid for geometrical measuring tasks at the Control 2010 in Stuttgart. For the first time, users can record virtually any contour with a handheld gauge. With this new device, the company offers striking evidence of its innovative strength, assuming a leading position in the area of mobile optical gauges in Europe.

What particularly distinguishes the new method is that one complete profile line of 360° can be measured with one scan. The profiles of the individual segments of a camera shot are combined immediately like in a jigsaw puzzle and are directly displayed on the screen to the user. It is based - like the other Calipri products - on a patented process that automatically corrects tilting errors, which always occur when measuring with a handheld device.

NextSense customizes the software to the customer's measurement tasks. To that purpose, the service of a "customizing package" is offered in addition to the actual gauge. This service includes the creation of any rules specified by the customer for the calculation of measurements pertinent to the recorded profiles. Thus the option exists to display - alongside the complete profile (in the form of x/y profile coordinates) - individual measurements like lengths, surfaces, radii or angles.

Through the Calipri Universal, NextSense taps new applications that cannot as yet be quantified, for which a rapid, accurate and on-site measurement is what matters most. NextSense has hitherto successfully launched two products for quality assurance: Calipri Wheel for the measurement of wheel-sets in the railway industry and Calipri Gap for measuring gap and flush in the automotive industry.

NextSense considers the greatest potential for the Calipri Universal also to be in quality assurance. This includes measurement applications in aerospace technology as well as in the construction and woodworking industries. The measurement of elastic profiles (rubber disks, seals, rubber tyres ...) constitutes an intriguing special case due to the fact that they allow for no mechanical contact.

NextSense Mess- und Prüfsysteme GmbH

NextSense is a startup company providing innovative solutions for measuring and testing technology in the rapidly growing market of optical sensor technology. NextSense develops, produces and markets mobile, laser-based profile measuring devices for customers from various industries. Alongside numerous renowned companies in the rail traffic and railway supply sectors (ÖBB, SBB, NedTrain, Trenitalia, Siemens, Stadler...), NextSense's customer base also includes automotive firms such as Magna-Steyr.

Various patented procedures enable for the first time a contactless and accurate hands-free measuring of well-nigh any profile. The company, which has been certified according to ISO-9001:2008 since December 2009, is a spin-off of Joanneum Research and employs 16 co-workers at its location in Graz at present. The Steirische Wirtschaftsförderung (Styrian Promotion of Economic Development) awarded the Fast Forward Award, its renowned innovation prize, to the company in the first year of its existence in 2007.

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