

## **MWC Americas 2018: HEAD acoustics showcases its latest measurement technology for voice and audio quality testing**

From September 12<sup>th</sup> to 14<sup>th</sup>, 2018 the mobile communication community will once again meet in Los Angeles for this year's Mobile World Congress Americas. HEAD acoustics, one of the world's leading companies in the production of powerful software and hardware for optimizing voice and audio quality is also on-site. At the HEAD acoustics booth S. 2618 visitors can assure themselves of the efficient solutions such as the hardware platform *labCORE*, the high-precision turntable HRT I or VoCAS, the evaluation software for voice recognition systems.

Customer demands for voice and audio quality in mobile phones, headphones, vehicle hands-free systems, in-car communication systems or IoT applications such as smart speaker are constantly increasing. Therefore, these products must be tested on highest demands. The acoustic experts on-site will showcase *labCORE*, the new multi-channel hardware platform for versatile applications. The modular all-in-one solution offers a new dimension in data acquisition due to its numerous high-end interfaces. On the basis of modular technology, new technologies can be added quickly and easily. Thus, *labCORE* is designed to be future-proof.

### **Conduct orientation-dependent acoustic measurements with HRT I**

With HRT I (HEAD acoustics Remote-operated Turntable) HEAD acoustics presents a high-precision tool for orientation-dependent acoustic tests. The turntable rotates test objects to specific angles within a 360-degree rotation range, in 0.1-degree steps and with an accuracy of 0.02 degrees. Furthermore, HRT I allows conduction of automated measurements.

### **Build automated test routines for voice control systems with VoCAS**

Voice recognition is another topic at the booth since more and more applications rely this technology for operation. With VoCAS (Voice Control Analysis System), HEAD acoustics provides a turnkey test solution for voice control systems. The efficient and flexible software enables an objective and fast quality assessment of voice control systems under realistic and reproducible test conditions.

### **About HEAD acoustics – Telecom Division**

HEAD acoustics was founded in 1986 and has been involved in noise and vibration, electroacoustic and voice quality testing since its inception. HEAD acoustics is based in Herzogenrath, Germany, with affiliates in China, France, Great Britain, Italy, Japan, South Korea and USA as well as a world-wide network of representatives. The Telecom Division of HEAD acoustics manufactures telecom test equipment and provides consulting services in the field of speech and audio quality. Moreover, HEAD acoustics closely co-operates with DECT Forum, ETSI, ITU-T, 3GPP, TTA, CTIA, GSMA and other standardization bodies with regard to the development of quality standards for voice transmission and speech communication. In many partnership projects, HEAD acoustics has proven its competence and capabilities in conducting tests and optimizing communication products with respect to speech and audio quality under end-to-end as well as mouth-to-ear scenarios.

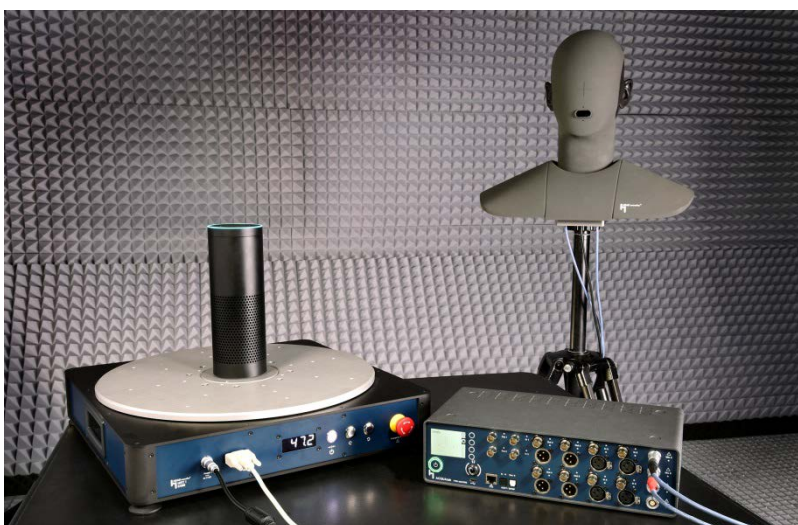
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*labCORE* is the modular multi-channel hardware platform for precise and efficient voice and audio quality testing.



HRT I is a high-precision turntable for automated, orientation-dependent acoustic measurements



Testing e.g. smart speaker with *labCORE*, HRT I and artificial head measurement system HMS II.3