

PRESS RELEASE

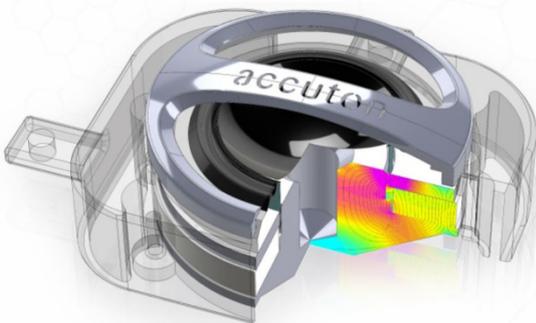
Finest listening pleasure in elegant housing courtesy of accuton

High End 2019 - Thiel & Partner presents top-of-the-line speaker system in one of the most stunning Bugatti ever

Pulheim, Germany, 23 April 2019 – Thiel & Partner, manufacturers of the premium brand of accuton loudspeakers, present an audiophile highlight not only for hi-fi enthusiasts at the "High End 2019" in Munich. A total of nine high-performance drivers have been installed in the new Bugatti Chiron, providing a harmoniously tuned sound backdrop. The symphony consisting of the luxury car, four tweeters, three mid-range drivers, and two woofers can be seen - or rather heard - from 9 to 12 May at stand A 3.1, Galerie accuton.

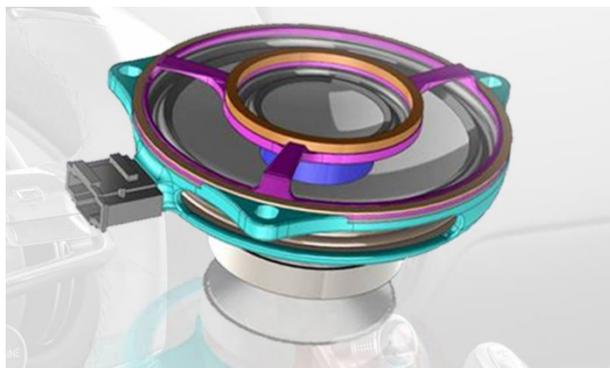
Dirk Vaehsen, Technical Director at Thiel & Partner, explains the challenge of composing sound systems for (high-quality) cars: "In modern vehicles, the density of technical elements is extremely high. There is simply too little space. This results in an exciting technological task for us in terms of high-quality music reproduction. The loudspeakers installed cannot be locatable. Rather, an imaginary stage needs to be created in the vehicle on which the performers rather than the loudspeakers are located."

Each of the nine loudspeakers installed in the Chiron was developed exclusively for the super sports car, so the entire audio system is perfectly matched to the requirements of this vehicle.



sound pressure level of 95 dB (at one watt).

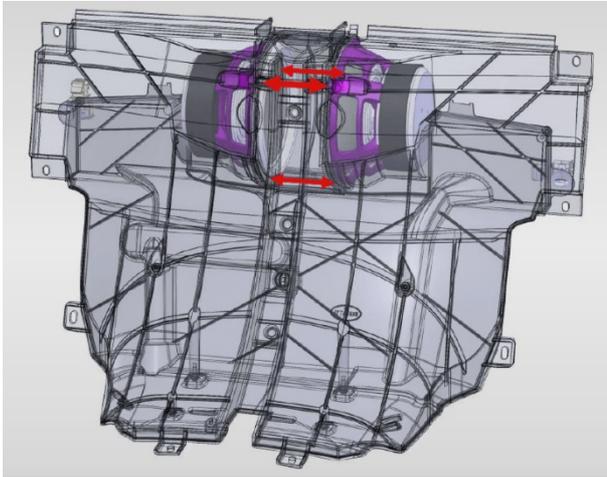
The four tweeters - two at the front, two at the rear - are the highlights of this system: their domes consist of diamonds each 1 carat in size. They form a deep black "sphere section surface", which forms the centre of the tweeter chassis. These cut diamonds are suspended in pure silk, driven by titanium voice coils, which are in turn guided in a neodymium magnet system with low tolerance that provides in excess of 2 Tesla field strength, generating a



While the four tweeters transmit the frequency range from 2,500 Hertz to over 50,000 Hertz, the three mid-range drivers cover the core range of 80 Hertz to 3,000 Hertz. The drivers are a technological innovation, having two cone zones to minimize the perforated area in the leather. Two midrange drivers are located in the doors, the third in the rear between the seats. This third midrange driver, together with the two rear tweeters, forms the rear system, widening the display when listening to music and - this is also a specific requirement of mobile concert halls -

improving speech intelligibility in phone calls and for navigational guidance at top speeds. The stage for the voice announcements is moved slightly backwards virtually and is thus better separated from the music. For this purpose, accuton developed and patented a DSP scheme tailored exclusively for the Chiron.

PRESS RELEASE



This audio system is completed by two woofers for the 80 Hertz to 20 Hertz frequency range. They are hidden inconspicuously between the seats.

The high quality of this overall system is not only the result of the certainly high-quality individual chassis, but above all of the skillful tuning of the overall system. This integration into a comprehensive acoustic work of art renders the use of an equalizer unnecessary. In the accuton system, the treble, bass, midrange and balance are individually adjusted. Chief developer Dirk Vaehsen points out that he alone spent more than 100 hours in the Bugatti Chiron for the final tuning by ear and eye. Despite the

computer-aided chassis development in Pulheim, perfect sound is only possible through conscientious listening to trained ears.

Note to the editor: members of the press interested in meeting Thiel & Partner are welcome to schedule an appointment via mail to accuton@vibrio.de or phone +49 (0)89-32 15 1-604.

About Thiel & Partner

Thiel & Partner have been producing and distributing high quality drivers made of stiff membrane materials such as Al²O³ ceramics, CVD-diamond and aluminum sandwich under the accuton® brand in Pulheim, Germany since 1994.

The company strives to supply the best dynamic loudspeaker chassis in terms of design and sound on the market. Extensive support and collaboration in areas like cabinet construction, design of the crossover and implementation of electronic components are a matter of course. Among Thiel & Partner's most renowned customers and partners are Tidal Audio, Marten Design, Gauder Akustik, and Estelon.

Thiel & Partner GmbH – accuton

Dirk Vaehsen

Phone: +49 2238 94105 00

Mail: dirk.vaehsen@accuton.com

www.accuton.com

vibrio. Kommunikationsmanagement Dr. Kausch GmbH

Sascha Smid

Phone: +49 89 32151-604

Mail: accuton@vibrio.de