



**Name of Exhibitor:** [Carstens](#)

**Contact name:** [Brigitta Carsten](#)

**Contact Email:** [brigitta@articulograph.de](mailto:brigitta@articulograph.de)

**Contact Telephone:**

**Web Address:** [www.articulograph.de](http://www.articulograph.de)

**3D-Articulograph AG501**

**A non-invasive instrument for the study of speech and swallowing movements inside the mouth**

**The study of speech movement is hindered by the inaccessibility of the oral cavity. The AG501 enables 3-dimensional recording and real-time visualisation of speech movements inside the mouth. 24 sensors are available for flesh point tracking. The 3-dimensional recording of each sensor provides sub-millimeter tracking accuracy and a sampling rate of up to 1250 Hz . Further, speech acoustic data can be recorded in synchronized fashion at 48 kHz.**

**New possibilities now exist for studies on speech and swallowing control, theoretical models of speech production, and speech synthesis .**

**Carstens Medizinelektronik**

**[www.articulograph.de](http://www.articulograph.de)**