

# CHARMANT

## *Press Release*

16<sup>th</sup> January 2023

### **CHARMANT Inc. enhances comfort in smart glasses exhibited at the TDK Corporation booth at CES 2023, one of the world's largest technology trade fairs**

**CHARMANT Inc.** (Headquarters: Sabae City, Fukui Prefecture; President: Masakiyo Honjo; hereinafter CHARMANT) announced that at the TDK Corporation (Location: Chuo-ku, Tokyo; President: Noboru Saito; hereinafter "TDK") booth at CES 2023, the world's largest technology trade show, held in Las Vegas, USA from January 5 to 8, 2023, the smart glasses for which CHARMANT developed and designed the frame part were unveiled.

These smart glasses are equipped with a piezo sound demonstrator manufactured by TDK and incorporate a bone-conduction speaker developed and designed especially for smart glasses by Onkyo Corporation (Location: Osaka City, Osaka Prefecture; President: Munenori Otsuki).

By incorporating the bone-conduction speaker into the end tips (the part of the frame that rests on the ears), not only has CHARMANT created a stylish and cohesive design, it has also ensured optimal glasses wearing comfort.

Most smart glasses on the market today are made of resin frames, which, although lightweight, tend to be large in volume, making it difficult to adjust the lateral pressure on the head (the force that pinches the temporal area).

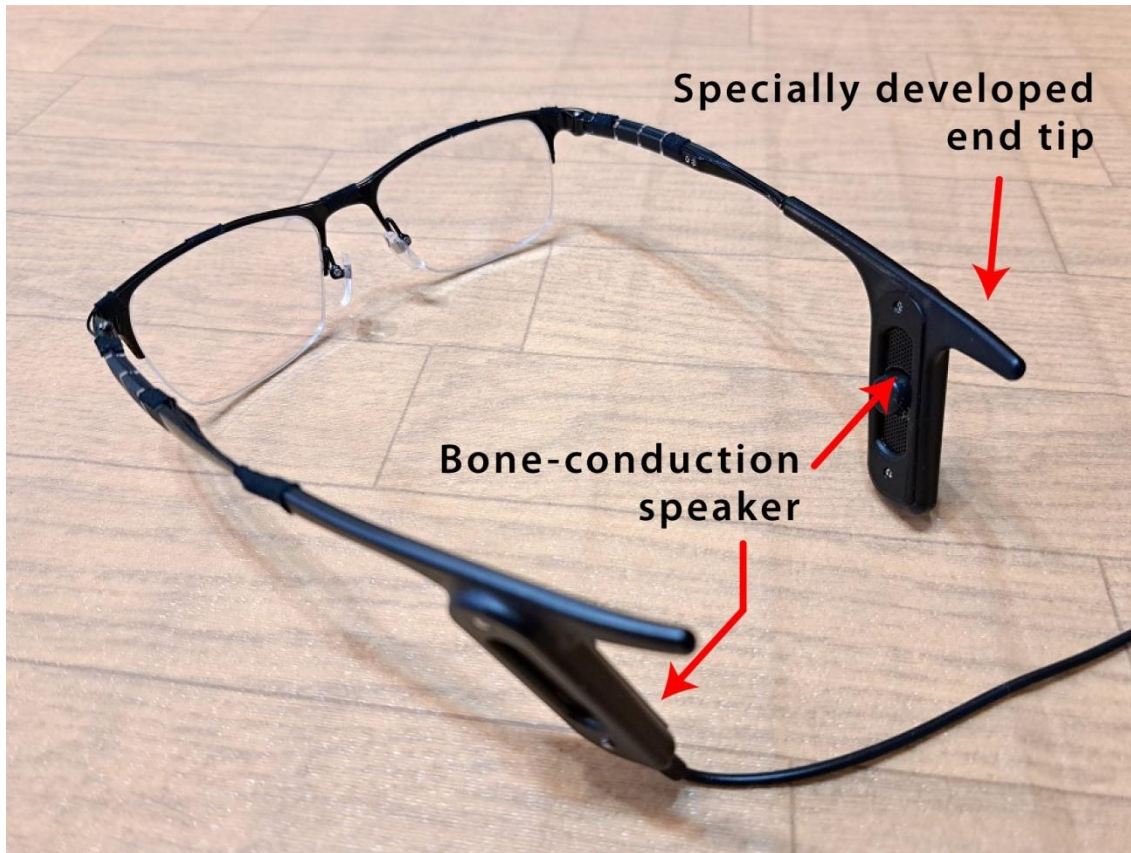
The front part of this newly developed frame is made of lightweight, high-strength titanium. The temples are made of Z-titanium, a flexible material with excellent springiness, to optimize the lateral pressure on the head. This enables a frame design that does not burden the wearer even after extended wear.

These features were made possible by CHARMANT's advanced processing technology cultivated through the manufacture of eyewear frames such as "Line Art CHARMANT," a long-time customer favorite thanks to its supreme comfort. Developed for the international market, these frames have been meticulously designed to be comfortable to wear using CHARMANT's long accumulated European and American head shape and size data.

CHARMANT continues to develop frames for the smart glasses market, which is expected to expand in the future, both in Japan and overseas, including OEM products.

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### **About CES**

CES is the world's largest technology trade show, bringing together the latest high-tech products and innovators from around the world. It is organized by the Consumer Technology Association (CTA)® and held every January in Las Vegas, USA.

### **About CHARMANT Group**

For 65 years, CHARMANT Group has been renowned worldwide for its pioneering work in the research and development of new technologies in the optical industry. By striving for perfection and for uncompromising high product quality, the Japanese company has developed into one of the most important producers and providers in the highly competitive international ophthalmic optics market. With its goal to unreservedly fulfil the wishes and demands of its customers, CHARMANT can always be depended on for the highest quality awareness and outstanding service. This engagement and this passion are clearly seen in CHARMANT Group house brands as well as licensed brands. Thanks to its expertise in the production of high-quality spectacle frames and its comprehensive global sales network in over 100 countries, CHARMANT Group is greatly respected as a reliable business partner.