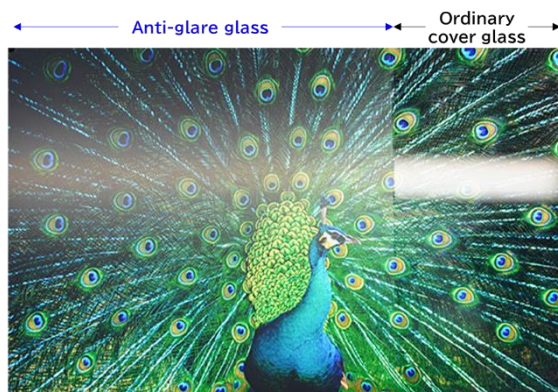


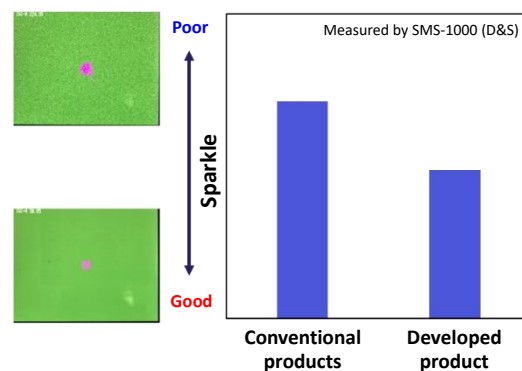
AGC Develops Anti-Glare Glass for 4K HD Displays

— Approximately 30% reduction in sparkle compared to conventional products —

December 13, 2022 - AGC (AGC, Inc.; Headquarters: Tokyo, President: Yoshinori Hirai), a world-leading manufacturer of glass, chemicals and high-tech materials, has developed anti-glare (AG) glass for 4K high-definition displays. The new AG glass reduces sparkle (random unevenness on a screen caused by optical factors) by approximately 30% while suppressing light reflection. The product will be launched in the first half of 2023, with the aim of adoption in notebook PCs and other devices equipped with 4K HD displays.



Visibility by anti-glare glass



Comparison of sparkle characteristics

AG glass reduces eye fatigue by adding an unevenness to the glass surface to reduce reflections, and is mainly used as cover glass for displays installed in PCs, tablets, and other products. In product development, it is extremely difficult to satisfy all three optical characteristics of anti-reflectiveness (suppression of light reflection), clarity (clear images), and anti-sparkle (suppression of random unevenness on the screen). Especially with HD displays, overcoming optical interference with the LCD panel becomes stronger causing sparkle to worsen is a challenge.

AGC has now developed a new AG glass with a more uniform unevenness on the glass surface through a special mechanical process. While maintaining the same level of anti-reflective performance as its conventional products, this new glass reduces sparkle by approximately 30%, which has been an issue, and reduces eye discomfort when viewing HD displays.

The new AG glass will be exhibited at AGC's booth at CES 2023, one of the world's largest technology and innovation trade fairs, to be held in Las Vegas, U.S. from January 5-8, 2023. Please see the following press release for details of AGC's other exhibits at CES.

“AGC to Exhibit Next-generation Mobility-enabling Products & Technologies at CES2023”

<https://www.agc.com/en/news/pdf/20221208e.pdf>

<Media inquiries>

Chikako Ogawa, General Manager, Corporate Communications & Investor Relations Division
AGC Inc.

(Contact: Fujiyama; Tel: +81-3-3218-5603; [Contact form](#))



Personal information is handled in accordance with our Privacy Policy.

< Reference >

■ AGC's anti-glare glass

Glass thickness	0.4mm - 2.0mm
Glass size	Max 730mm x 920mm
Other specifications	Chemically tempered glass specifications are also available (offered in the Dragontrail® series)
Contact form for technical inquiries	https://contact.agc.com/webapp/form/17985_tpab_62/index.do

■ Glare vs anti-glare

	Glare	Anti-glare
Cosmetics		
Pros	<ul style="list-style-type: none"> ● High contrast and image clarity 	<ul style="list-style-type: none"> ● Less reflection leads to reduced eye fatigue
Cons	<ul style="list-style-type: none"> ● Large light reflection 	<ul style="list-style-type: none"> ● Reduced image sharpness ● Reflected light becomes whitish and colors (especially black) become whitish ● Occurrence of sparkle* <p>* Approximately 30% improvement in the product announced today (compared to AGC's conventional products)</p>

<Media inquiries>

Chikako Ogawa, General Manager, Corporate Communications & Investor Relations Division
AGC Inc.

(Contact: Fujiyama; Tel: +81-3-3218-5603; [Contact form](#))

Personal information is handled in accordance with our Privacy Policy.