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Three in one sweep: high strength, ultra-thin and eco-friendly

SCHOTT to launch new ultra-thin high strength glass for use in consumer electronics

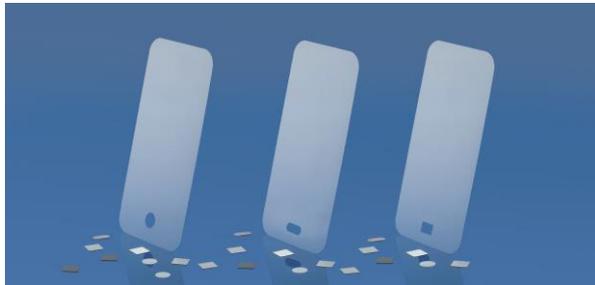
Smartphone users are always concerned that their device could drop and that the display could be damaged. To prevent this from happening, consumers usually apply an additional thin protective glass film to protect their display cover glass. The German technology group SCHOTT has now developed an eco-friendly, ultra-thin glass with outstanding mechanical properties. The new glass SCHOTT AS 87 eco for protective cell phone display glass films, but also other consumer electronics applications like fingerprint sensors or camera lenses, provides both: high quality and eco-friendliness. It will be presented at the C-Touch in Shenzhen, China, from November 24 – 26, 2016.

There are different - and sometimes better - ways to reach the goal: Normal thin protective glass film and some FPS (fingerprint sensor) covers are often produced by using chemical etching technologies. The disadvantage is that extremely dangerous hydrofluoric acid is used to make the cover glasses thin. In comparison to such an environmentally harmful technology, SCHOTT has developed a sophisticated process, which allows for the manufacturing of ultra-thin thickness ranges directly out of the melt – without any additional slimming and without using hazardous substances. AS 87 eco ultra-thin glass can reach extremely high strength after ion exchange treatment and reliably secures sensitive electronic parts like fingerprint sensors, camera lenses or touchscreen cover glass from cracks and scratches. The smartphone user can feel more relaxed in case his device drops because the thin protective glass film made from SCHOTT AS 87 eco protects sensitive parts much better and simultaneously protects the environment. More about this exciting innovation at the upcoming C-Touch in Shenzhen.

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SCHOTT AS 87 eco secures sensitive sensors or lenses of consumer electronic devices. It is rolled out globally during C-Touch trade fair in Shenzhen.

SCHOTT manufactures ultra-thin glasses using the so-called down-draw method. This calls for the glass to be drawn down directly from the melting tank through a nozzle into its final ribbon shape. This is then wound onto rolls for further processing.

SCHOTT is a leading international technology group in the areas of specialty glass and glass-ceramics. The company has more than 130 years of outstanding development, materials and technology expertise and offers a broad portfolio of high-quality products and intelligent solutions. SCHOTT is an innovative enabler for many industries, including the home appliance, pharmaceutical, electronics, optics, automotive and aviation industries. SCHOTT strives to play an important part of everyone's life and is committed to innovation and sustainable success. The group maintains a global presence with production sites and sales offices in 35 countries. With its workforce of approximately 15,000 employees, sales of 1.93 billion euros were generated in fiscal year 2014/2015. The parent company, SCHOTT AG, has its headquarters in Mainz (Germany) and is solely owned by the Carl Zeiss Foundation. As a foundation company, SCHOTT assumes special responsibility for its employees, society and the environment. www.schott.com

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