Japanese bathroom manufacturer TOTO is presenting the next generation of the WASHLET at this year’s ISH 2013. It incorporates TOTO’s latest developments and far surpasses existing hygiene and comfort standards. These self-cleaning WASHLETs make toilet brushes obsolete.

The era of the high-tech toilet started in Japan in the 1980s. TOTO produced its first WASHLET 33 years ago and has since sold around 33 million of them. This successful concept is based on the combination of extraordinary comfort, superior technology, elegant design, and TOTO’s commitment to continuously improving its now legendary high-tech toilet.

**High-tech hygiene package**

The new WASHLETs are truly innovative developments. In addition to the features available in all other TOTO WASHLETs, like the warm water spray for intimate cleansing, heated seat, dryer and odour-absorbing deodoriser, they offer two new self-cleaning technologies: Actilight and ewater+.

**ewater+ technology**

Two of TOTO’s new WASHLETs are equipped with this new feature – the NEOREST EW and WASHLET SG, part of the new Square Geometry collection. This new technology is as simple as it is effective. It starts before the toilet is even used. When the sensor-activated toilet seat lid starts to rise, the WASHLET sprays the toilet bowl with a fine mist of water. The combination of the water and the very smooth CeFiOnTect glaze keeps dirt...
from sticking as it would to a dry surface. Once the toilet is flushed, the WASHLET then sprays the bowl with electrolysed water. This has an antibacterial effect and prevents limescale and waste from accumulating, keeping the toilet bowl cleaner for longer. Electrolysed water is absolutely environmentally friendly, does not contain harmful chemicals and can be returned to the water cycle without worry.

**Actilight technology**

Actilight technology goes one step further in terms of self-cleaning. This feature is available in the NEOREST AC WASHLET. Once again, the WASHLET sprays the toilet bowl with water before use and with electrolysed water, or ewater+, after use. Instead of the CeFiOnTect glaze, this toilet bowl features a zirconium and titanium dioxide coating. The surface has a shimmering mother-of-pearl look to it, is extremely hydrophilic, and triggers a photocatalytic process when combined with sunlight. TOTO integrated a UV light in the seat lid that is activated for a specific amount of time once the lid is closed. Once the light hits the zirconium coating, photocatalysis accelerates the decomposition process of all of the organic substances on the surface. The hydrophilic surface helps the WASHLET to wash away any remaining waste with ease – making it practically impossible for bacteria, dirt, limescale and mould to accumulate in the toilet bowl.

TOTO conducted extensive tests on the impact of its ewater+ and Actilight technologies. After 10 months and 5,200 uses, a men’s toilet equipped with Actilight still looked absolutely clean – without the use of a toilet brush.

Frankfurt, March 2013
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**About TOTO Europe GmbH**

Established in Kitakyushu, Japan in 1917, TOTO has been developing, producing and marketing its comprehensive high-end bathroom concept for the European market for close to three years, with an emphasis on combining convenience and eco-friendly Clean Technology. As Japan’s leading manufacturer in the sector, TOTO represents a one-stop shop for a comprehensive collection of products including ceramic sanitary ware, faucets, furniture and accessories, all of which have been created in close collaboration with its own and a number of renowned European designers. Innovations and technology are the Japanese company’s central values. TOTO is driving technological developments to design products that are more appealing and convenient. For TOTO, it is important that technical elements always be intuitive, well integrated and, where possible, concealed. TOTO combines Japanese and European design, exceptional German engineering and Japanese innovations in outstanding products. TOTO employs 24,000 people worldwide, of whom 900 work in research and development.

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1. NEOREST AC featuring zirconium coating, for a shimmering mother-of-pearl look. The self-cleaning properties of this surface are activated by Actilight (UV light) technology. 2. Highly efficient: The new NEOREST AC Actilight function. Together with the zirconium coating, the UV light integrated in the seat lid triggers a photocatalytic process to break down the organic substances in the toilet bowl. 3. The WASHLET SG combines design and functionality. Its ewater+ technology actively prevents limescale and dirt from accumulating. 4. The NEOREST WASHLET is available in two versions, each with state-of-the-art TOTO technology: NEOREST EW with ewater+, and NEOREST AC with ewater+ and Actilight.

Photos: TOTO.
5. Actilight makes the toilet brush a thing of the past. 6. For unparalleled hygiene: Once the toilet is flushed, the WASHLET sprays the toilet bowl with antibacterial, environmentally safe ewater+. This actively prevents limescale and dirt from accumulating. 7. The core feature of every WASHLET is an innovative integrated wand jet which uses warm water for personal cleansing. The silicone-coated wand cleans itself automatically after every use. 8. The UV light integrated in the toilet seat lid activates the decomposition process.

Photos: TOTO.