

November 2023



Edition 92

Editor's Desk

“Innovation is seeing what everybody has seen
and thinking what nobody has thought.”

–Dr. Albert, Szent- Györgyi

Happy Reading,

Regards,

Bhavna Botta

<http://www.connectspecial.in/>

Innovative Ideas

Inventions of 2023-Human-to-Machine interface a reality

Now you can move an object with your eyes or move around with the slightest shift of a muscle.

The Naqi technology is an invisible human-to-machine interface that uses gyroscopic sensors and biosensors to read nearly imperceptible body movements — the tilt of a head, the blink of an eye — to send signals that can control virtually any smart device.

It enables the user to use any digital device and navigate virtual worlds, AR/VR (augmented/virtual reality) and the metaverse, as well as hard technologies like wheelchairs.

No brain implant, no hands, no voice or screens are required. The non-invasive technology can be tucked into earbuds, eyeglasses or virtually any wearable medium and operates via blue tooth

“This offers opportunities to turn heat on and off, adjust volume on television, or perform a wide variety of functions just through tilting the head, or moving a muscle in the eye or the jaw.

“For quality of life, all people with disabilities are dependent on technology. The better the technology, the better the quality of life.”

<https://www.naqilogix.com/>

Xander Glasses

A smart glass showing real-time captions of what other people are saying. These lightweight, comfortable display the captions is in obtrusive, allowing the wearer to follow conversations while looking directly at the speaker and surroundings. Xander Glasses allow people who are hard of hearing to clearly understand who is speaking to them, whether at home, work, or in a noisy public venue. This helps people feel more confident and relaxed during conversations. The noise-cancelling microphones capture clear speech from conversations. The speech-to-text technology is built-in to the glasses, which means one need not to rely on your smartphone or connect to WiFi.

<https://www.xander.tech/>



Picture shows the text display on xander glass

Stair climbing wheelchair BRO

People who are severely limited in their strength and/or mobility due to an illness, accident or other reasons are entitled to a power wheelchair such as the Scewo BRO

The stair climbing wheelchair Scewo BRO is ideally suited for people who- have the cognitive and physical ability to control the stair climbing wheelchair via joystick with one hand. Scewo BRO drives on two wheels – all on its own without the use of your upper-body stability. Thanks to the two large wheels you can navigate safely and nimbly on various surfaces.

Whether it is curb sides, single steps or stairs, BRO masters them all. Its tracks carry you comfortably and safely up and down straight stairs.

<https://www.scewo.com/en/>



Picture shows the scewo wheelchair climbing up the stairs

Inclusive Design

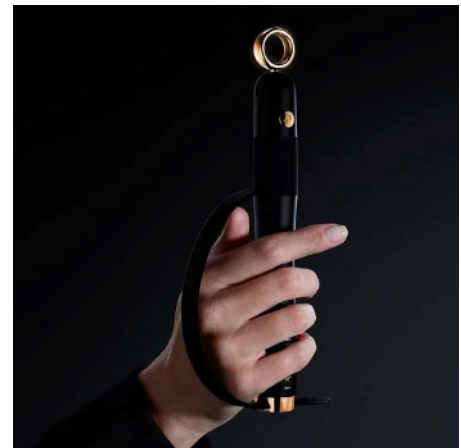
Handheld computerized makeup applicator

Bringing the science of touch to women everywhere, HAPTA is designed for those with hand-motion disorders, arthritis, Huntington's Disease, and following stroke-related motion challenges.

This motion-stabilizing device harnesses the power of technology to assist those who have difficulty raising their arms due to limited mobility issues, and people with limited grip strength who struggle with precise application, as well as those experiencing tremors and a lack of sensation in the hands.

Hapta uses advanced sensors and motion-stabilizing technology to keep the device level, constantly adjusting to the user's position. As a Beauty Tech premiere, HAPTA makes the expression of beauty more accessible, more achievable, and easier than ever before..

Picture shows Hapta with a handle strap



<https://www.loreal.com/en/articles/science-and-technology/hapta-lancome-innovation/>

To share ,to read archive editions,log on to

<http://www.connectspecial.in/>

To subscribe ,give feedback,write to

botta.bhavna@gmail.com