Bridgestone is demonstrating its AeroBee e-reader

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(PhysOrg.com) -- Most e-readers are E-Ink. On devices, such as the very popular Amazon Kindle, they allow users to have a clear and paper-like viewing experience, and no glare in high light or outdoor situations. The E-Ink devices also use less power than devices like the iPad, and therefore have a longer battery life.

These devices do have some drawbacks as well. The E-Ink devices only do black and while screens, and for the current generation at least, they have a refresh rate that is so low that is makes animation an impossibility. Like all things in technology however those limitations are bound to change. Companies are working on the next generation of E-Ink devices, and Bridgestone is showing off its offering.

Bridgestone's new e-reader, dubbed the AeroBee, features a QR-LPD display that can run at a resolution of 800 x 600. The device is also capable of showing images in color and acting as a touch screen. The machine, which will take input with a stylus, allows users to interact with their text. The device is also flexible. Yes, you read that right, it is flexible.

The screen works with a completely new approach to the E-Ink concept. The AeroBee uses black and white electrified powder, which acts like a liquid. When electric current is run though it the black powder is move to the front or back of the display, depending on how the current is applied. The stylus helps to move the powder over the screen, creating new configurations on the screen. With the use of color filters the screen can also apply up to 4,096 colors onto a screen as big as 13.1-inches.

No product price or specific time line for launch have been give at this time.

More information: www.bridgestone.com/products/d … r/aerobee/index.html

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