Touch**Tools**

Virtual Tools for Touch Surfaces

TouchTools allows users to summon virtual tools with intuitive hand poses, significantly enriching the usability of traditional multi-touch devices. TouchTools understands the user's intent by looking at the pose of the hand to summon virtual tools such as a mouse, stylus or dial on the screen. Users need only to mimic the way they hold objects in the real world, place their hands on the screen, and TouchTools will choose the right virtual tools accordingly. By combining user-interaction innovations with machine intelligence, TouchTools creates novel interactions in tablets, automobiles, interactive displays, touch computers, and other touch-enabled surfaces of all sizes.

Examples of TouchTools Use Cases

Interactive Whiteboards

Large interactive whiteboards and displays are becoming ever more popular as the need for improved collaboration grows and the cost of displays decreases. However, these interactive surfaces are burdened by confusing toolbars and expensive accessories. With TouchTools, users can summon the desired tools, reducing or removing these obstacles and significantly improving the usefulness of interactive displays.

TouchTools on Interactive Whiteboard Video

TouchTools on Interactive Blackboard Video

Automotive

Consumers now expect all displays to be touch-enabled, including those inside automobiles. However, while automobile manufacturers are eager to provide touchscreens to consumers, it is much more difficult for drivers to interact with conventional touch interfaces while operating vehicles. The cognitive load required for a driver to use a traditional touchscreen is so much higher than what is required to use traditional knobs and buttons, resulting in significant safety concerns. As a result, it is one of the biggest hurdles preventing the adoption of touch surfaces in automobile consoles and dashboards. By allowing users to summon virtual dials and sliders anywhere ...

on the screen without looking away from the road, TouchTools solves one of the biggest problems facing Human Machine Interface (HMI) designers. With TouchTools, automotive OEMs can advance the UX of HMI systems to meet today's customer demands.

TouchTools in Automotive Video

Tablets and Other Touch Devices

Although multi-touch comes standard on nearly all touch devices, other than pinch-and-zoom, there have not been many compelling use cases for this core feature until TouchTools. With TouchTools, users can summon a virtual mouse, pen, or eraser for increased productivity, or virtual rulers and cameras for design and creative work.

TouchTools for Tablets Video #1
TouchTools for Tablets Video #2

With TouchTools, the possibilities are endless.

About Qeexo

Qeexo develops machine learning solutions for mobile devices, touch interfaces, and embedded systems. The company works with leading device OEMs and component manufacturers to power new and exciting user experiences on tens of millions of devices worldwide. In industries such as mobile, IoT, and automotive, there are billions of devices where computation and memory are highly constrained. Qeexo brings high-accuracy predictions to these platforms using its proprietary low-latency, low-power machine learning technologies.

Spun out of Carnegie Mellon University, Qeexo is venture-backed and headquartered in Mountain View, CA, with offices in Pittsburgh, Shanghai, and Beijing. To learn more, visit, visit **www.qeexo.com**.