



## AFC iQmax<sup>®</sup>: Weaving Mind-Blowing Smart Textiles

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WORRIED about the safety and health status of a home-alone one? Feeling desperate under a blistering cold weather yet warm clothing is just far from enough? Imagine that, with a slight touch on your smart devices (the last thing you'll ever keep away from yourselves in this decade, as well as the comings), everything on your body could be effortlessly monitored and controlled, for instance, eye mask, vest, or other apparel and accessories. This might sound pretty unachievable in the past, but AFC make it happens. As a textile corporate with decades of professional experiences, we have been thinking outside the box and breaking the boundaries to serve the cutting-edge technology for our partners, and that includes our futuristic conductive materials, such as silver nanowire and transparent conductive ink, which will definitely overturn the stereotype of a textile industry.



iQmax<sup>®</sup> Smart Heated Vest, a brand new concept incubated to integrate the innovative IoT with traditional textiles, offering 5 major functions which are controllable with application in smart devices, weaving a total solution for all the users. Adjustable temperature, health-monitoring pedometer, and GPS information sharing are just the fundamentals. What's more impressive is that we even implant a sensor for fall down detection and SOS Alert activation! By connecting iQmax<sup>®</sup> Smart Heated Vest with smartphone via Bluetooth, the vest is able to detect a downfall motion whenever accident happens and trigger the sending of SOS message to the default contact person, enabling a timely aid.

iQmax<sup>®</sup> Smart Performance Modules are designed to be merged with our daily accessories, for example, eye mask, gloves or support brace, turning these ordinary items into smarter and much more functional wearables, such as smart heated eye mask, smart conductive gloves, and smart heated support brace. The integration with smartphone application now allows you to control the temperature or current frequency by simply tapping on your smartphone, offering higher convenience and user-friendliness. Not only that, the timer in the application guarantees you a soothing and relieved user experience during the whole process.



iQmax<sup>®</sup> Silver Nanowire possesses overwhelming advantages in terms of electrical conductivity and transparency when compared to the common silver nanoparticles. Through further development into iQmax<sup>®</sup> Transparent Conductive Ink, it is far better than the conventional ITO as it offers outstanding performance in both flexibility and bendability, providing the total solution for the production of flexible display in electronics and optoelectronic industries. The applications of these materials are way more than your imagination.

## About AFC<sup>®</sup>

Founded in 1973, Asiatic Fiber Corporation (AFC<sup>®</sup>) has been one of the leading companies in the field of cleanroom and anti-static products in global market. Today, the rapid growth of IoT technology has inspired us to initiate the development of smart performance modules. iQmax<sup>®</sup> focuses on exploring intelligent textile modules including textile cable, elastic textile cable, conductive pad, and textile connector, which are suitable for electronic signal delivery without compromising on the requirements of comfort, stretchiness, and washability. These textile modules provide extra smart functions like detecting, sensing, and positioning, while offering unlimited possibilities of interactions between users and garments.

