

ThermoSoft International Corporation Announced Development of FiberThermics®

ThermoSoft International Corporation announced development of FiberThermics™, a new generation technology for heating. The patented and patent-pending technology utilizes electro-conductive fiber threads specifically designed for heating. The technology offers all the benefits of radiant heating with several unique advantages attributed to its use of soft and flexible fibers to conduct heat instead of metal wires.

ThermoSoft completed licenses for the household bedding market with Perfect Fit Industries. Perfect Fit is a leading manufacturer of bedding products that introduced a line of mattress pads and bedcovers using ThermoSoft's technology. Perfect Fit markets the heated bedding products "With ThermoSoft Technology" under its Soft Heat™ and Soirée™ trademarks in department stores and catalogues including Spiegel, Hammacher Schlemmer, Sears, J.C. Penney, Linens & More, IntelliHealth, Dillard's and on television's QVC. Both companies expect ThermoSoft's technology will revolutionize the heated bedding market because of the unique advantages it offers compared to conventional electric bedding products.

ThermoSoft refers to FiberThermics' advantages as the "nine S's": (soft, soothing, smart, safe, strong, supple, slim, speed, saves). Since FiberThermics eliminates metal wires, the end product feels softer and the heating threads are virtually unnoticed by the consumer.

FiberThermics provides a soothing, gentle, radiant heat that is uniformly distributed without hot spots. ThermoSoft's FiberThermics Technology™ is exclusively designed to incorporate a feature known as TCO (thermal cutoff) to provide automatic shutoff if necessary. In conventional industry applications, TCO is obtained by adding costly and bulky components at intervals throughout the heating circuit. With FiberThermics Technology, however, TCO is built-in across 100% of the fiber-heating element making it the ultimate choice in safety.

What's more, ThermoSoft International has taken heating performance to another level by incorporating a feature called TSL (temperature-self-limiting). TSL responds when shutoff may not be necessary, but conditions call for automatic limiting in resistance and temperature.

According to ThermoSoft CEO Dr. Eric Kochman, these smart features make FiberThermics safer than any available heating technology. ThermoSoft's FiberThermics Technology utilizes weaving and laminating textile processes to yield an extremely strong yet supple heating element. This provides unique advantages for heated products subjected to rigorous use, wear, folding, bending and laundering.

Strength and flexibility make FiberThermics inherently safer than metal wires that can break and cause arcing. Because FiberThermics is so slim, it can be placed closer to the heated surface increasing speed of warm-up and saving energy.

ThermoSoft's FiberThermics Technology has the potential to transform heating applications in a variety of market segments including automotive and RV, healthcare, clothing, residential and office furniture, carpeting, flooring and more.

ThermoSoft International Corporation was founded in 1996 to commercialize FiberThermics Technology for heating. The private company, headquartered in Buffalo Grove, Illinois, is establishing strategic and licensed partners in various industries to commercialize applications of the technology worldwide.