

Description of Additional Supplementary Files

File Name: Supplementary Movie 1

Description: Dynamic detection for the temperature change of TE units that just pass the CNT TE loop through the 3D textiles substrate.

File Name: Supplementary Movie 2

Description: Dynamic detection for the temperature change of TE units directly woven by wrapped CNT TE loop.

File Name: Supplementary Movie 3

Description: Dynamic detection for the temperature change of TE units composed of un-wrapped CNT TE loop.

File Name: Supplementary Movie 4

Description: Demonstration of the good conformality of the TE device.

File Name: Supplementary Movie 5

Description: Dynamic testing process to exhibit the compatibility with body parts of arbitrary geometry or body movement and output stability.