

Press Information

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Hohenstein's WATson is now a DIN SPEC standard

The WATson heat loss device quantifies the evaporative cooling of textiles

BÖNNIGHEIM (Germany) The 2019 published DIN SPEC 60015 “Quantitative measurement of the evaporative heat loss of smart textile materials for work, sports / outdoor and leisure” defines the measuring procedure and requirements for textiles and clothing that claim to have a cooling effect. This already offers a market compliant standard. The next stage is to convert the method into an ISO standard.

WATson is the only device worldwide that can quantitatively measure the evaporative cooling ability of a textile or textile system – for example during activity – and is already well received in the performance apparel and home textiles industries. It measures the dynamic interaction of textiles and human thermal regulation with customizable climatic conditions and sweat rates. Only a 25x25 cm fabric sample is required for the WATson test, which provides data on average cooling power, cooling power over time, fabric response and dry time. The data is used for product development, benchmark comparisons, quality assurance and verified marketing claims. In addition to the measurement scenarios defined in DIN SPEC 60015, WATson's setup can be tailored to meet specific requirements.

Publisher:

- Hohenstein Laboratories GmbH & Co. KG
- Hohenstein Textile Testing Institute GmbH & Co. KG
- Hohenstein Institut für Textilinnovation GmbH

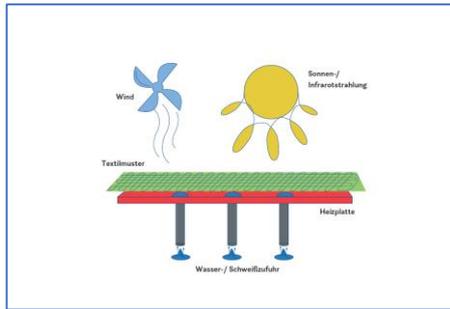
Marketing & Business Development

Hohenstein
Schlosssteige 1
74357 Bönnigheim
GERMANY
Telephone: +49 7143 271-515
E-mail: presse@hohenstein.de
www.hohenstein.de

Your contact for this text:

Alina Bartels
Telephone: +49 7143 271-515
E-mail: presse@hohenstein.de

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Hohenstein uses the WATson Heat Loss Tester measurement device to measure the cooling power of textiles.

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Hohenstein's WATson offers manufacturers performance measurements and optimisation in material development.

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