

# Performance Apparel Markets: Product Developments and Innovations, 2nd Quarter 2013

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### Abstracts

This report provides information on the latest developments in: dyes for performance apparel; electronic apparel; fabric printing inks; fabrics for performance apparel; fabrics for protective apparel; protective apparel; smart clothing; and sportswear. The report also includes news from the following innovative companies and other organisations: Cabela's; Fraunhofer-Einrichtung f?r Modulare Festk?rper-Technologien (EMFT - Fraunhofer Research Institution for Modular Solid State Technologies); MC10; Micro-Nano Innovations (MiNI) Laboratory in Biomedical Engineering at the University of California; Mount Vernon Mills; Performance 3D; PolyOne; Reebok; Riedel Textil; Schoeller; UBAK; University of Southampton; and Vodafone.



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#### SUMMARY

#### DYES FOR PERFORMANCE APPAREL

Cabela's has developed a new dye which changes colour in response to changes in temperature

#### **ELECTRONIC APPAREL**

Vodafone has developed prototypes of a pair of shorts and a sleeping bag which can charge a mobile phone

#### FABRIC PRINTING INKS

PolyOne has developed a new range of inks for printing on to fabrics for sportswear

#### FABRICS FOR PERFORMANCE APPAREL

Researchers at the University of California have developed a new fabric with moisture management properties

#### FABRICS FOR PROTECTIVE APPAREL

Mount Vernon Mills has developed a new fabric and a new fabric finish for use in the manufacture of protective workwear

Schoeller has developed a new range of polyamide and polyester fabrics with flame resistant (FR) properties

#### **PROTECTIVE APPAREL**

Researchers have developed new gloves which can change colour to indicate the presence of a toxic substance

UBAK has developed an airbag which inflates to protect the wearer's head and neck in the event of an avalanche

#### **SMART CLOTHING**



Performance 3D has developed three ranges of garments which help athletes to improve the way their bodies move during sporting activities

#### **SPORTSWEAR**

Riedel Textil has developed a new range of seamless knitted shorts for use during sporting activities

Reebok and MC10 have developed a new skull cap which can detect when an athlete has received a serious blow to the head

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