

Technical Textile Markets: Product Developments And Innovations, 1st quarter 2015

<https://marketpublishers.com/r/T7275EF0F4EEN.html>

Date: June 2015

Pages: 13

Price: US\$ 520.00 (Single User License)

ID: T7275EF0F4EEN

Abstracts

This report provides information on the latest developments in composites, fibres for protective apparel, graphene coatings, inks for wearable electronics, medical textiles, nanocoatings, nonwovens, piezoelectric fabrics, protective apparel and wearable technology. The report includes news from the following innovative companies and other organisations: DuPont Microcircuit Materials (MCM), Europlasma, Fehrer, Fraunhofer-Institut für Produktionsanlagen und Konstruktionstechnik (IPK - Fraunhofer Institute for Production Systems and Design Technology), Fraunhofer-Institut für Holzforschung, Wilhelm-Klauditz-Institut (WKI - Fraunhofer Institute for Wood Research, Wilhelm Klauditz Institute), Fraunhofer-Institut für Zuverlässigkeit und Mikrointegration (IZM - Fraunhofer Institute for Reliability and Microintegration), Fukui Warp Knitting, Hohenstein Institut für Textilinnovation (Hohenstein Institute for Textile Innovation), Kansai University, National Safety Apparel, Osaka Medical College, Suominen, Teijin, Teijin Aramid, and Teijin Frontier.

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Fraunhofer WKI: fibre reinforced composite parts incorporating natural fibres

FIBRES FOR PROTECTIVE APPAREL

Teijin Aramid: new fibre called Teijinconex neo for use in protective apparel

GRAPHENE COATINGS

Hohenstein Institut F?r Textilinnovation: collaborative research project to apply graphene coatings to textile substrates

INKS FOR WEARABLE ELECTRONICS

DuPont Microcircuit Materials (MCM): inks for use in wearable electronics

MEDICAL TEXTILES

Hohenstein Institut F?r Textilinnovation: artificial uterus which aids the development of babies born prematurely
Teijin, Fukui Warp Knitting and Osaka Medical College: development of a textile cardiac patch which will help to repair heart tissue after cardiovascular surgery

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Suominen: new nonwoven products
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