

Smart Materials Research Page

Biometric t-shirt that keeps tabs on the effectiveness of your workout sessions

Pros

Most comprehensive biometrics on market

Measures just about every activity – from aerobics to yoga

Great battery life

IOS and Android compatibility

Accurate feedback

Heated vest wetsuit

One-touch button for on/off controls temperature level indicated by vibrating alerts (high/normal heat)

Includes international wall adapter & car charger

Flexible infrared heating cushion water in the suit is heated by rear pads targets core to help keep you in the water longer.

Solar-charged jacket

The solar charged jacket is made from a highly responsive material that can be instantly charged and made to glow in the dark by any light source you can find. As soon as it is charged, once in the dark it will glow up like kryptonite.

Jacket that syncs with your phone

Jacquard is a company which takes ordinary objects and develops them with a new digital abilities and experiences, while remaining their original purpose, e.g. jackets.

They make 2 types of jackets which both do the same thing just in different designs: Trucker Jacket & Commuter Trucker Jacket

Both jackets merge style with innovative Jacquard technology – answer calls, play music and take photos from your sleeve.

Nike + iPod sport kit

In New York (12 July 2006) Nike and Apple launched the Nike + iPod sport kit.

This kit allows the runner to receive audible updates on speed, distance and calories burned upon request throughout the run.

This works by a sensor in the Nike + footwear and a receiver plugged into the Nano.

Cons

Not as comfortable as similar products due to inconsistent fit

Occasional dynamic balance issues and inconsistent data readings

Not odour – resistant



Biometric band to improve emotional wellbeing

It interprets your emotions, helps you understand your own behavioural patterns, and allows you to share how you feel visually, in the form of art.

Yoga wear that incorporates technology to enhance yoga experience

It lets you practice yoga on your own terms, the patented technology with integrated sensors and haptic feedback (vibration) helps you improve your yoga.

Google glass with a screen that embeds into clothing/headwear

It lets users interact with the digital world through what looks like a cyborg cross between glasses and headgear, with a small square of glass functioning as a screen over the right eye.

Fashionable jacket that warms your body

Combines a beautiful cut, luxury fabric and infrared heat technology, the smart coat is the only coat that works from day to night, autumn to spring. With the smart coat you control the temperature: the three heat settings are activated at the touch of a button.



GLASS

Samsung 'human fit' suit

It introduces fashion garments and accessories on top of smartphone applications and information technology accessories under the concept of 'adding technology to style'. Analysing your body movement and health status.

End-User Profile

Gender – Female, aged between 20-30

Their preferred style of clothing is professional/smart, however they like being comfy whilst keeping up with latest trends. They shop at high end clothing stores such as: Ted Baker, Reiss... They wear mostly neutral or dark colours and the majority of their clothing is wool or cotton. Activities they like doing could include the gym, shopping, attending evening classes or even going to a spa. They also like to help the environment and want to be more sustainable in the way they shop, like buying products which could be 100% cotton or wool.



Creative Statement

My theme is inspired by relaxation and how hormones influence a person, for example the brain might react to certain scents, releasing off endorphins making people feel more calmer or alert. The texture of these pyjamas are soft and 100% wool flannel. Knowing that a product is environmentally friendly makes the person buying it feel better. These pyjamas will use microencapsulation to fulfil women's needs by diffusing out scents which will benefit them in some sort of way. The fact that u can choose your design and scent is amazing since each pyjama set will fit the user perfectly and have a better outcome. After women wear these pyjamas they should wake up in the mornings feeling ready and attentive for the day.

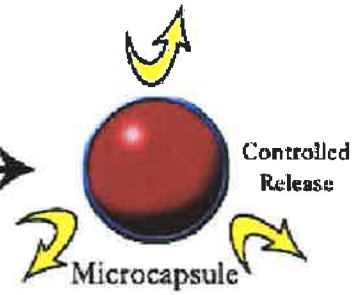


Skin Moisturising Agents
Skin Cooling Agents
Vitamins & Pro-Vitamins
Essential Oils, etc.

+



Natural Polymer
Semi-Synthetic Polymer
Synthetic Polymer



Pressure, Friction
Diffusion, Wall Dissolution,
Biodegradation, etc.

Micro encapsulation

Pyjamas

