

高性能多功能表面整理技術

High Performance Multi-functional Surface Finishing Technologies

緩釋納米膠囊體系

Advanced nanoencapsulation systems with controllable release capability

雖然市面上已存在基於微膠囊的一些整理產品，但由於不能持久在空氣中或貼近皮膚時釋放，和保持良好的耐洗牢度，因此都不適合應用在紡織品上。

本新型納米膠囊系統針對上述問題開發，包括 Fresh Aroma™—芳香緩釋系統，Vitawear™—衣用皮膚護理系統，和 Anti-Mos™—高效防蚊系統。這些納米膠囊系統具有高包封效率，並使用與皮膚相容的材料作為殼層；而且對纖維具有強親和力，因而有很高的洗牢度，當中的成分亦通過適當控制而能達到緩釋持久的效果。



維生素從服裝釋放到皮膚之測試
Skincare test on vitamins release from clothing to skin

Most of capsule systems in the market are not suitable for textile applications where the releasing mechanism should be suitable for environments such as open air or next to skin and durable in daily washings.

Based on this situation, novel nanoencapsulation systems are developed, including Fresh Aroma™ - a fragrance delivery system, Vitawear™ - a fabric skincare system, and Anti-Mos™ - a high efficacy skin-kind anti-mosquito system. They have high encapsulation efficiency, and are kind to skin due to the use of natural biocompatible materials. The release of the ingredients can also be controlled to facilitate a long lasting effect.

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特色與優點

Fresh Aroma™

- 備有檸檬、檀香、茉莉、玫瑰、古龍等多種香味，也可按客戶需要配製
- 高耐用性，可達10至20次的標準家用洗滌

Vitawear™

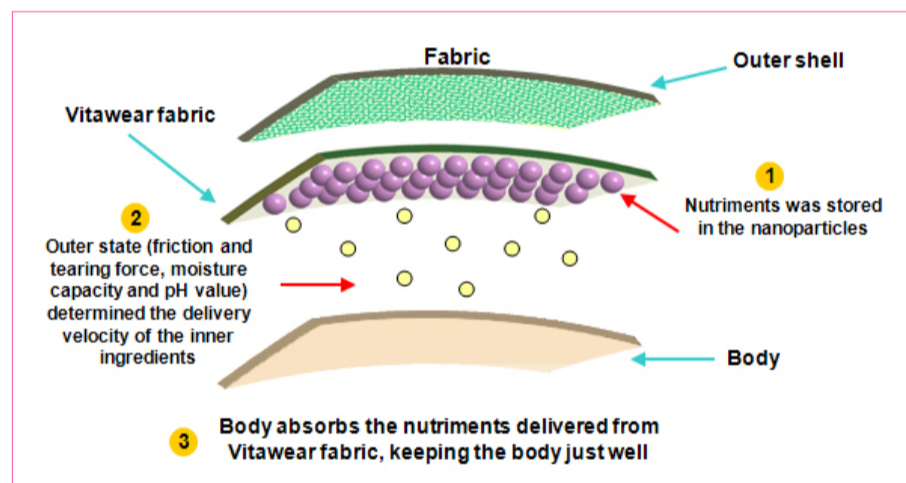
- 可控釋放Vitamin C和E
- 防止Vitamin C和E的氧化提及降解
- 簡便的日常護理皮膚

Anti-Mos™

- 高效防蚊、抗菌
- 添加天然抗菌因子，對皮膚零刺激

應用

適用於常規織物浸軋方法及於表面均勻噴施



Vitawear™護膚系統
Skincare Mechanism of Vitawear™

Patent Application No: CN101338519 (PRC), US 2009-0010977 A1(US)

Special Features and Advantages

Fresh Aroma™

- The type of aroma can be tailor-made
- High durability towards laundering, fresh aroma remains even after 20 home launderings

Vitawear™

- Releasing Vitamin C and E with the controllable rate
- Daily skin care

Anti-Mos™

- Highly efficient for mosquito repellency and anti-bacteria
- Kind to skin due to the use of natural biocompatible material

Application

Can be applied through pad-dry system or spray to outside of cloth