FUNTIONAL

YARN & FABRIC

CREATIVE TECH TEXTILE

Hans Global Textile

The Problem We're Facing Now.

The shells become the environmental concern, there're **160,000,000 KG** of the shells are discarded per year in Taiwan.

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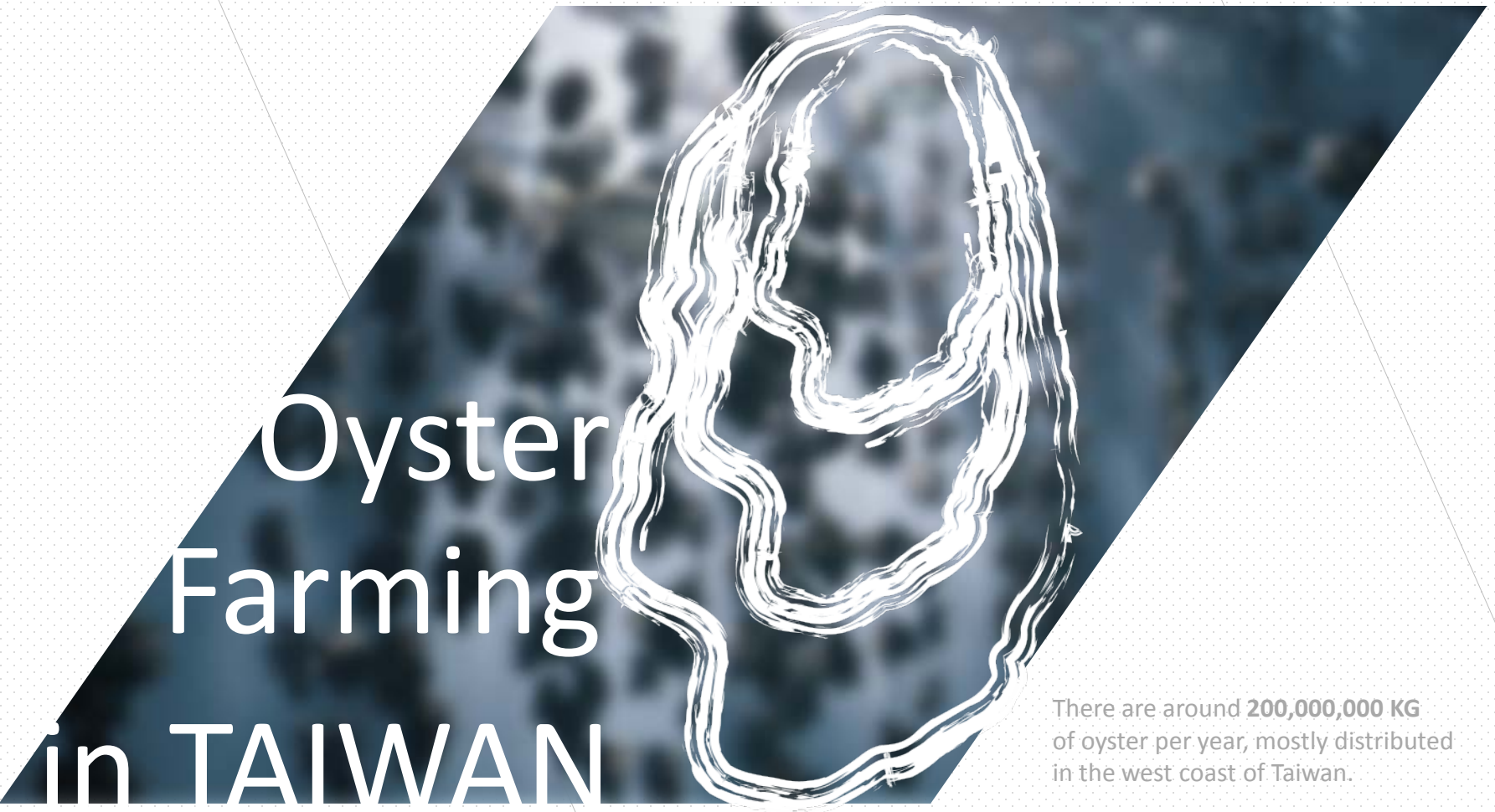

Oyster Farming in TAIWAN

There are around **200,000,000 KG** of oyster per year, mostly distributed in the west coast of Taiwan.

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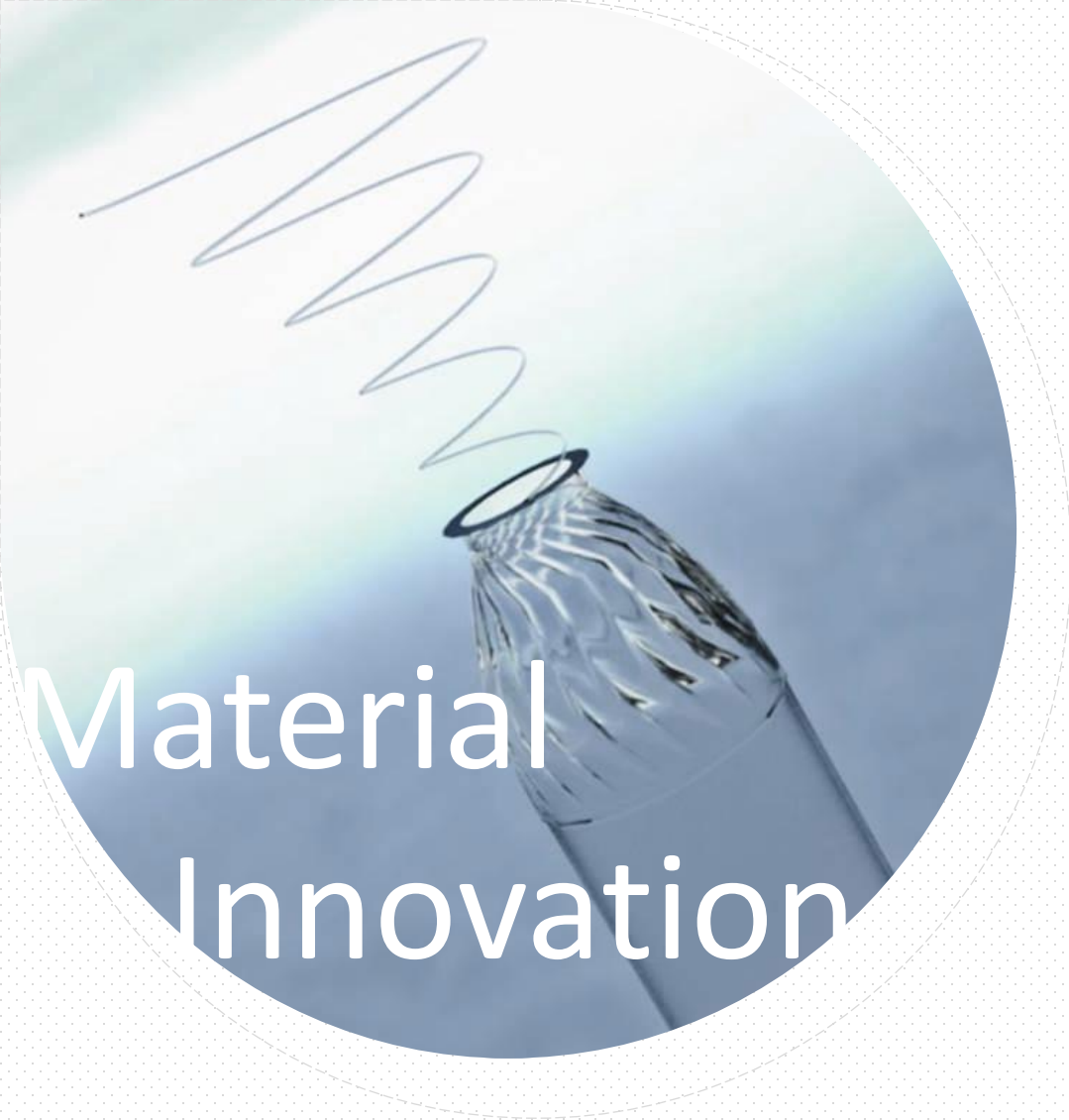
The Solution We're doing Now.

After 10 years of the study and experiment cooperating with Industrial Technology Research Institute, we successfully make the shells to be the material of the textile.



Material Innovation

Compounded with recycled PET bottle, the nanolized shell powder make the normal polyester valuable.

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Innovation Initiated From The Ocean

Spin the spun yarn or draw the filament Seawool® yarn, also make the material comfort insulation in many applications.

APPLICATION

SEAWOOL® FABRIC

47% Recycled Seawool PET
53% Polyester
Quick Dry, UPF 30+
122 GSM

54% Cotton
43% Recycled Seawool PET
3% Spandex
Quick Dry, Keep Warm
192 GSM

APPLICATION

SEAWOOL® FABRIC

48% Recycled Seawool PET
48% Polyester
4% Spandex
Quick Dry, Keep Warm
186 GSM

23% Recycled Seawool PET
77% Polyester
Quick Dry, Keep Warm
192 GSM

CREATIVE TECH TEXTILE CO., LTD

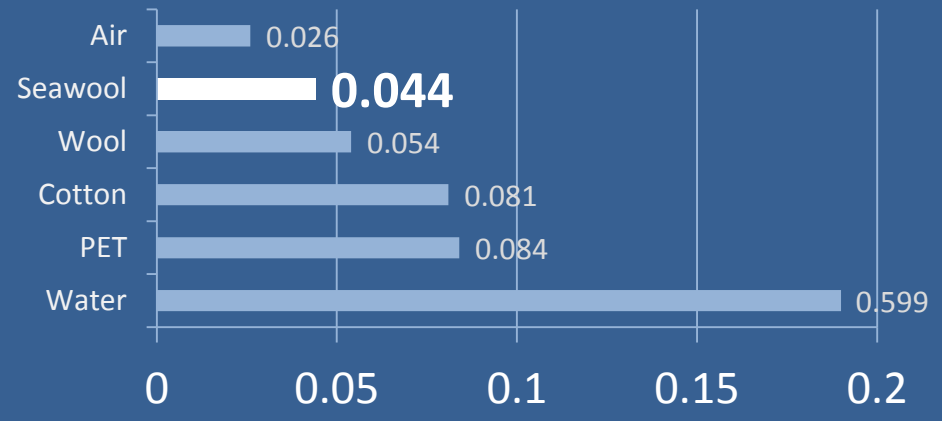
APPLICATION

SEAWOOL® SOCKS

Low Thermal Conductivity

Heat can be lost through the process of conduction.

Seawool® has a thermal conductivity – 0.044 that is almost less than half as high as PET – 0.084. It means that Seawool® is better insulators than polyester.

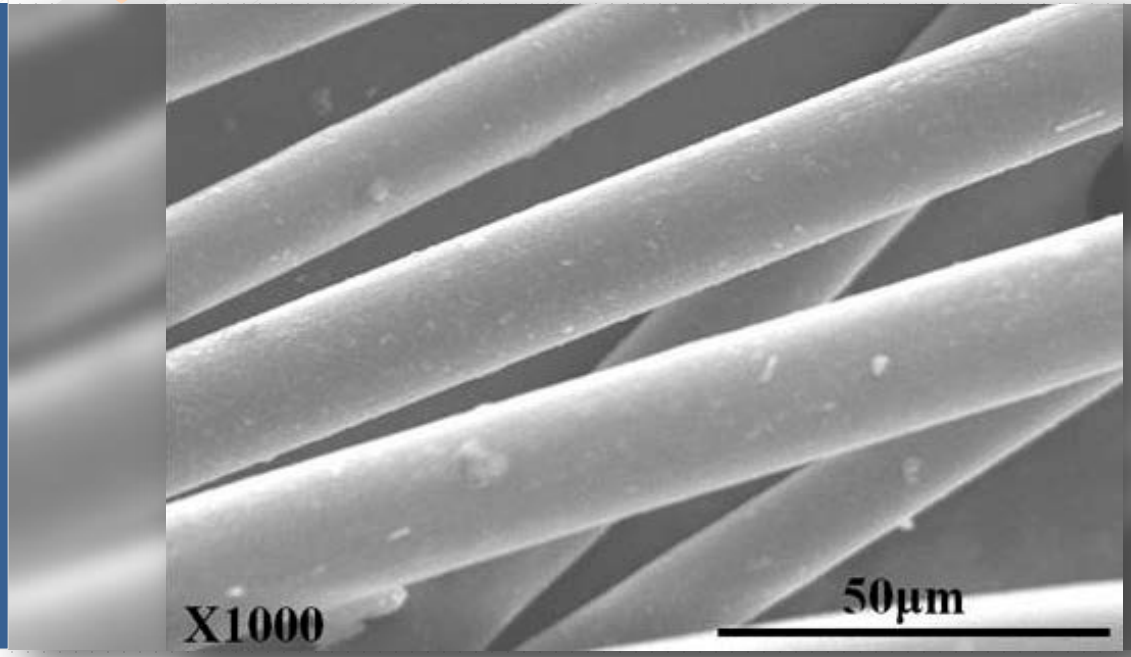


FEATURE

Woolen Touch

Seawool® yarn surface is embedded in tiny pieces of scales come from nanolized oyster shell powder under the microscope.

The scales simulate the woolen touch, making it different from regular synthetic polyester.



FEATURE

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FEATURE

Far Infrared

Far Infrared Emissivity > 0.80

Among the infrared waves, the far infrared rays, which have a wavelength of 6-12 microns, are especially good for the human body. These waves have the potential to penetrate 1.5 to 2 inches or more into the body allowing for deep heat and raise your core body temperature from deep inside.

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FEATURE

UV PROTECTION

Refractive index : 1.59

Odor-Control

The surface of the oyster shell is mound-like porous structure after the calcination treatment, facilitating the absorption of the odor caused by sweat.

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SEAWOOL® HANGTAG

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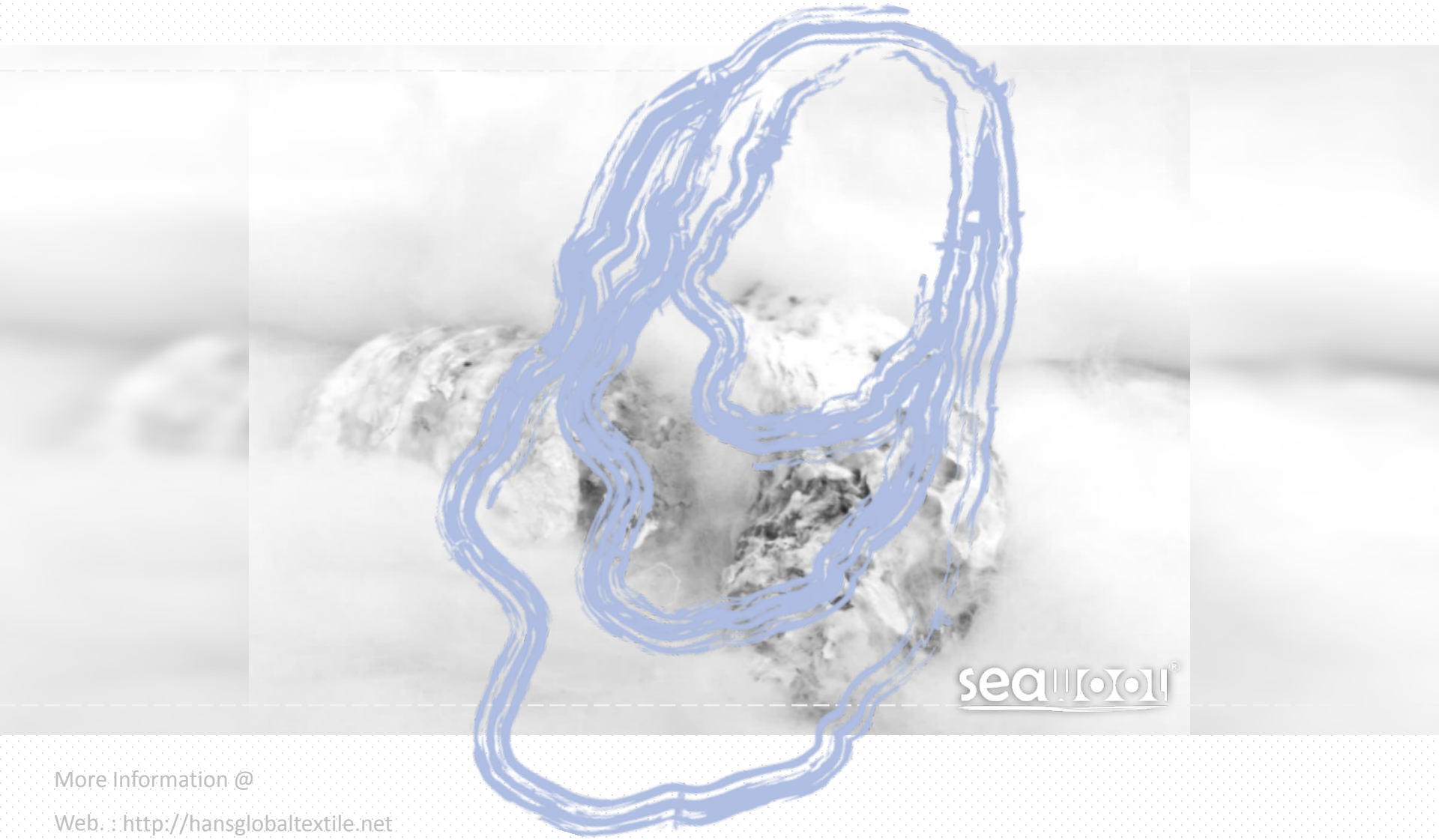
Patents & Awards

Seawool® exist for the sake of environment and Taiwan.



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