



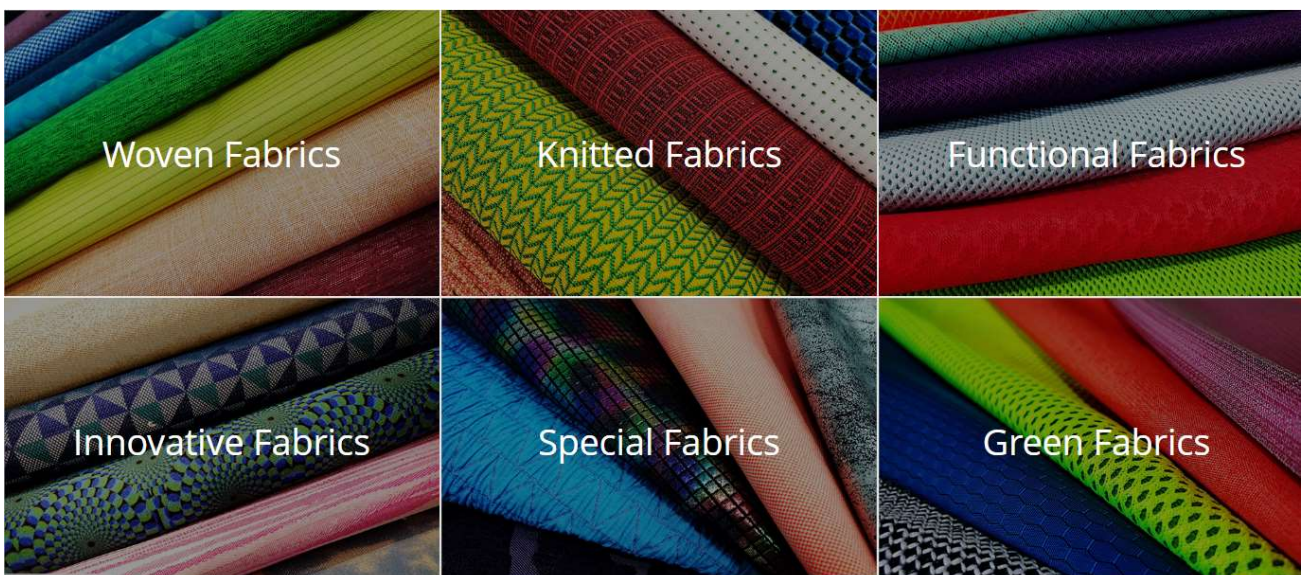
BENTEX ESSENTIAL SUSTAINABLE TEXTILES CO., LTD. Functionally Delicious!

When you bite into a juicy and crunchy water chestnut. Have you wondered what else it can do?

Not only is it a delicious piece of heaven, its shell has functionality as well. Every year in the Guantian District, in Tainan, Taiwan, 4600 tones of water chestnuts are grown, which produces 2500 tons of shells. Previously, these shells were irresponsibly discarded, which in turn caused pollution.

Using the concept of zero waste. We have now turned these shells into what we like to call “black gold” . This simple product not only is a sustainable alternative but is also superior in functionality when compared to Bamboo Charcoal. Though bamboo charcoal offers many functional attributes its production process has received much backlash from critics.

To produce charcoal, the bamboo is burnt at very high temperatures of nearly 800 degrees celsius, which causes severe air pollution and energy consumption. Our “ black gold” , on the other hand, is highly flammable in nature. It ignites with a simple match and is turned into charcoal in a matter of minutes. Its energy use is very minimal. Any carbon emissions are captured and purified before being released.



Apart from production, its functionality is more remarkable as well. Similar to bamboo charcoal, it has odor elimination and thermal insulation as well. However, its surface area is 80 times higher than bamboo, which means its absorption capabilities are higher as well. When we knit or weave it into fabric, we can test a distinct difference in the performance.

There is also an ecological angle to this story. The pheasant tailed jacana, which is slowly growing extinct in other countries due to unfavorable habitats, has now grown in population in Taiwan. These water chestnut fields have proved to be excellent nesting and breeding grounds for this species. Since they have started nesting in these fields, their population has shown a significant increase.

For more information, please visit our website <http://www.bentex.com.tw>.