



Relatively long time ago, a sparkling **Japanese R&D center** decided to develop the most performant fabric able to step up the quality of the seating during working and driving sessions, leveraging on amazing cushioning properties able to support the blood circulation and avoid several negative effects to the human body.

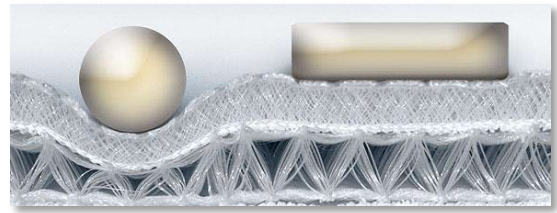
After 4 years of intensive development, the outcome has been surprising, a tridimensional knitted fabric named **3D-Net** aiming to reproduce the human muscle fiber characteristics, reducing the peak pressure and the area subject to decubitus disease.



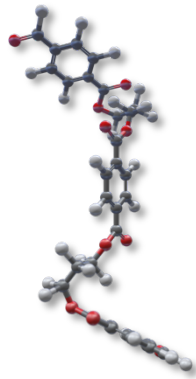
Many people are takin huge benefits from 3D-Net fabric, it's time the horse start to do it as well.



**The key is given by the extremely high elastic force** of those filaments inside the fabric, designed to avoid compression once weight-loaded, not only to distribute it homogeneously on the horse back, but also to provide an air layer between the saddle and the horse skin which is so beneficial to manage sweating, through proper temperature management and high breathability.

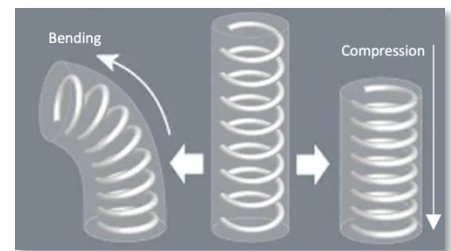


It's not so relevant how much material we place on the horse back to relieve the stress coming from weight loads, while it's crucial to have the right material managing such weight load through **uniform distribution** and **full breathability**.



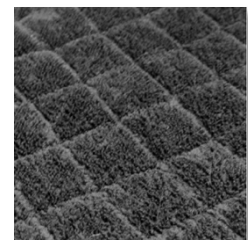
Once talking about uniform distribution paired with full breathability, it's clear tridimensional fibers are the most proper option, with the performance level directly proportional to their elasticity. The filament is made by polyester and its microstructure particularly suitable to provide elastic reaction to their compression.

As a spring, such fibers need a rigid surface as per the horse back to properly perform, so that no additional materials are necessary to soften the load weight, allowing to have thin and light solution, but so full of elastic force.



Once we reached the **highest elastic force** in a **soft, thin and light shape**, we had to provide it to the horse, simply wearing it.

Several Scientific reports indicates the bamboo fiber as the most suitable in terms of **softness, absorption level and health caring**, so widely used as toweling for babies.



Such high elastic force must gently touch the skin of the horse, possibly including high sweat absorption and slip prevention properties to make our products the most innovative solution for high performance and safety levels.

Final effort had to be done through searching for the invaluable experience of the riders so much familiar what the horses needs per each single discipline. The load on the horse back in canter and gallop, jumping, long distance riding and mounted games playing afford different kinetic environments, expert riders know what is needed, our task is designing the way to achieve it.





Here it is, our Reinforced Saddle Pads.

We had to build a tool for distributing the weight load on the back uniformly, doing it within the most comfortable and healthier environment.

To avoid friction and applied heat generation full stability is a must, while endogenous heat generation coming from muscle activity and related stress requests for full breathability.

Not only, the horse cools itself by sweat evaporation from its body, while sweat stagnancy on the horse skin obstructs such process increasing the humidity level and related unhealthiness.

Rapid and effective absorption is the way to keep dry the horse skin, followed by a fast humidity elimination through a wide air exchange allowed by the presence of an air layer inside the fabric.



Long story short, science made its job, but all the users continuously confirming ***“it’s a really good product”*** sounds it could be the right way. Enjoy it!



Shaped Version



Classic Version

Facebook: <https://www.facebook.com/ID1312546676035906/>

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