





[www.gyzzo.net](http://www.gyzzo.net)



**NEW**  
COLECTION  
GENERATION  
OF FIBERS



PINK



GREEN



WHITE



BLUE



PURPLE

**healthy • ecological • comfortable • economic**

Made in PORTUGAL

INNOVATION  
TECHNOLOGY TEXTILE

GYZZO



NEW FIBERS  
BIOFUNCTIONAL  
BIOACTIVE

new  
textiles Universidade do Minho  
SPINOFF

## Bio functional innovation

The new GYZZO® diaper was developed based in a new fibre called bio functional textiles. It was developed in the scientific field and it comes from the necessity of creating biologically functional materials with efficiency on the human skin and mainly on newborn babies because their skin is very sensitive and prone to diseases. They are intelligent textiles that transmit active principals that interact with the skin and the environment.

The textiles interact in a very intensive way with the skin due to the long time of contact between them, which implies that the micro organism of the skin can be influenced by the tissues and vice versa.

In the interior and in the direct contact with the baby's skin, the GYZZO® diapers incorporate tissues (micro fibres) with active silver ion that allow the inhibition of the bacteria and fungus growth in the own tissue.

In the exterior with the aim of controlling the temperature and rising the breathability, the GYZZO® diaper incorporates an intelligent film in its exterior that stops the passage of liquids from the inside to the outside and, simultaneously, enables the passage of air, making them fresher and more ventilated. (The scientists of Kiel University in Germany, defend that the use of disposable diapers is directly associated with the growth of male infertility, due to the warming provoked by the plastic of the diapers in the genital organs of the baby).

The bio functional textiles used in the GYZZO® diapers are mainly focused in the prevention, supported by dermatology, and they are a new discovery in the scientific field. Allied to other factors of great innovation, the GYZZO® diaper is the leader in technology bearing in mind your baby and therefore makes it the favourite and more efficient diaper developed until our days.



## Anti bacterial :: Anti-fungus

It is known that the use of any diaper causes the rising of temperature and local humidity with consequently maceration of the skin, making it more likely to irritations made by the extended contact of urine and stool.

And, knowing that the excess of humidity in the skin changes the balance in the bacterial flora, it makes it more vulnerable to the growing of infections (minor), especially candidiasis.

GYZZO® presents an absolutely innovating diaper that incorporates new bio functional and bioactive tissues of great efficiency in the reduction of problems.

In the inner tissue, in the direct contact with the baby's skin, the GYZZO® diapers have microfibers with active silver irons that allow the inhibition of the bacteria and fungus growth in the own tissue.

Silver is used in medicine by having an antiseptic effect (degrading or suppressing the proliferation of microorganism shown in the surface of the skin). Through nanotechnology this is an identified element in the GYZZO® diapers, giving a healthy environment to the skin of your baby, avoiding dermatologic illnesses and reducing the risk of infection caused by the bacteria or germs generally associated to babies. Specialists defend that the newborn should use this type of textiles until a safer age when the defenses are developed.

In this case, when the bacteria reach the fibre, the silver ions interrupt the vital functions of these microorganisms and degrade proteins linked to processes of metabolism and reproduction of bacteria.



ECOLOGIC  
REUSABLE

WYZZO

ENVIRONMENTALLY  
FRIENDLY

### Ecologic :: Reusable

The diaper is one of the essential elements to the baby's life. It is also where the parents spend the most part of their budgets. A disposable diaper can take about 500 years to decompose and in average each child, while baby, spend about 7500 disposable diapers, that is about 8 kilos of waste per week that go directly to the garbage, which means that until the end of this period (two and a half years approximately) a child produces about a ton of non-disposable waste. This means that all the disposable diapers made until today are still not decomposed in our planet.

For a better understanding of the consumers' relationship with the tissue diapers, it is important to understand what is necessary to produce a disposable diaper. Beginning with the exterior layer of waterproof polyethylene, we will see which raw materials are necessary to do this. Oil is the material used to make the polyethylene of disposable diapers. We all know that oil is a non-renewable resource. It is necessary a glass of crude to make the necessary plastic to a disposable diaper. Furthermore, it is necessary 130 kg of plastic per year to support a baby in what concerns to disposable diapers. These numbers seem an absurd exploitation of natural resources. "... It is used 18 thousand millions of diapers in the big countries per year.

Inside the disposable diaper, you will find an intern layer composed of pulp and polyacrylate of sodium. Talking about numbers again, it is necessary 200-400 kg of pulp to support a baby, in terms of diaper, during a year. Pulp is also, in an indirect way, a contaminant, because it has to be bleached to become white as we see in the disposable diapers. The bleaching produces chemical toxic products as dioxins. In a simple way, once disposable diapers consume more than 75% of energy than tissue diapers, per change of a diaper, will it be sensible to use 3,4 thousand millions of gallons of oil and more than 250.000 trees annually (only in Europe) to manufacture them, when they will end up in our overcrowded dumpsites?

We certainly are facing a non-promising environmental future and while parents we should do something to improve this situation and leave a heritage to our children, an example to follow and therefore a healthier planet.

GYZZO

CLASS  
**MODERN**  
COMFORTABLE

**FASHION  
ELEGANCE**



## **Comfortable :: Elegance**

The new reusable diaper GYZZO® allies modernity and the well-being to the elegance of a piece of underwear. We are sure that you will be careful when you buy diapers for your baby, during the period of usage (two and a half years in average), giving him/her the comfort of wearing a piece of underwear in tissue.

Why making your baby wear uncomfortable underwear, without beauty and made of plastic?

As any other piece of clothing, the reusable diapers GYZZO® have design, are comfortable and functional. They don't need waterproof layers, nor safety pin, nor being soaked and lastly nor ironing.

The GYZZO® diaper has a system of adjustment in Velcro that allows a good adjustment in the waist. The interior is ultra-soft with the characteristic of assuring a baby dry effect. It is available with a pocket that allows the placement of more or less absorbent. Now, with a new non-drip system that neutralizes the solids as well as liquids, these don't surpass the diaper's barrier.

### Fashion/Elegance

In this item there's nothing more to add, because the GYZZO® diapers are fashionable and are developed with class and elegance for your baby.

# DIAPERS NEW COLLECTION

MADE IN PORTUGAL

GYZZO



The use of GYZZO® diapers is not only an intelligent decision. Beyond that, it is a more elegant and economic choice, its use is, at the same time, a healthier and comfortable option and environmentally friendly...

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**CONFIDENCE  
IN TEXTILES**  
Tested for harmful substances 

**BIO**  
company 