



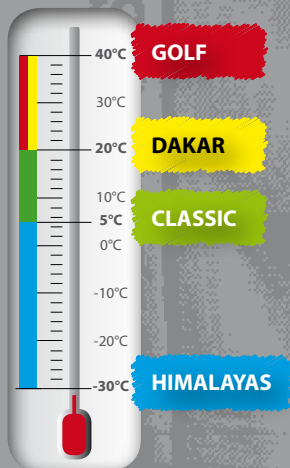
**nano**silver<sup>®</sup>

Products with antibacterial effects of silver

# Textile products with the brand of nanosilver®



that you can find in this catalogue are the result of our research in the field of nanotechnology. A part of the product is a fibre nanosilver®, which is enriched in its structure with molecules of silver, which are firmly attached to the fibres. The fibre has antiseptic properties and ideally meets the requirements for antibacteriability (prevents the spread of bacteria and cause their non-proliferation). The result of its effectiveness is a significant reduction of odour from perspiration and elimination of fungal infections. Silver does not get from the fibre even after repeated washing and it means that its effect is stable. After augmentation of the required properties of functional clothing were developed by the company NanoTrade Ltd. other materials that were created by an ideal combination with other functional fibres.



The basis for determining the correct size is best to measure yourself or any of your favourite t-shirts and to compare them with the data in our tables.



POKER, GOLF DAKAR	BUSTLINE (cm)	HIPLINE (cm)	the length of the shirt, from the neck (cm)
<b>WOMEN T-SHIRTS</b>			
S	76	78	56
M	84	86	59
L	92	94	62
XL	100	104	65
<b>MEN'S T-SHIRTS</b>			
S	104	100	69
M	114	112	70
L	122	118	71
XL	128	124	72
XXL	134	130	75

CLASSIC HIMALAYAS	BUSTLINE (cm)	HIPLINE (cm)	the length of the shirt, from the neck (cm)
<b>WOMEN T-SHIRTS</b>			
S	84 - 92	68 - 76	55
M	92 - 100	76 - 84	56
L	100 - 108	84 - 92	58
XL	108 - 116	92 - 100	60
<b>MEN'S T-SHIRTS</b>			
S	86 - 94	76 - 82	71
M	94 - 102	82 - 90	72
L	102 - 110	90 - 98	73
XL	110 - 118	98 - 106	74
XXL	118 - 129	106 - 116	75

HIMALAYAS DAKAR CLASSIC	WAISTLINE (cm)	HIPLINE (cm)	HIMALAYAS DAKAR CLASSIC	WAISTLINE (cm)
<b>BRIEFS</b>			<b>BOXERS</b>	
36	62 - 65	68 - 76	M	85 - 89
38	66 - 69	76 - 84	L	92 - 96
40	70 - 73	84 - 92	XL	100 - 106
42	74 - 77	92 - 100	XXL	110 - 114
44	78 - 81	100 - 106		

## Certifications, tests and exams:

Our entire offer of functional clothing has been tested both in the laboratory and in the extreme stress conditions, such as in the case of climbers in the Himalayas or in the Pamir, riders of the race in Dakar or in Ethiopia.

LFM

The Ministry of Health  
of the Czech Republic



Textile Testing  
Institute, Brno



Skin Clinic of the University  
Hospital Olomouc



State Veterinary  
Institute in Olomouc



## Informations:

Our distributors and business partners buy goods of the brand nanosilver® from a catalogue or via the online shop under the current commercial conditions. All textile products are delivered in a luxury box.

Information service is available on weekdays by phone +420 604 915 654 from 8:00 am to 16:30. Your e-mail inquiries sent to [info@nanosilver.cz](mailto:info@nanosilver.cz) will be processed within 24 hours.

[www.nanosilver.eu](http://www.nanosilver.eu)

## Comfort for your body...

Have you noticed that today almost every shirt in stores is offered as a functional one? We went through a series of offers and we admit that sometimes we could ever shake our heads ... what all is offered as a „functional clothes“! Even ordinary T-shirts with the denomination FUNCTIONAL, get their charm and especially their high price. Since its origin, the brand nanosilver® has been focused on offering TRULY FUNCTIONAL products. Let's see what FUNCTIONS we are talking about:

- **Antibacterial** = the presence of molecules of silver leads to killing bacteria. With a firm attachment to the fibre the silver does not get out of the clothing and so this function operates has the effect throughout the whole life of the product
- **Hygienic** = reduced amount of bacteria that normally multiply in sweat, eliminates the smell of sweat, the clothes does not stink after drying
- **Medicinal** = molecules of silver act as prevention against mycosis and fungal diseases
- **Diverts moisture** (here is the term „functional“ often used) = structure of fibres and knitwear allows to divert moisture from the body and keeps it in comfort even during demanding activities
- **Warming** = material of Himalayas is able to maintain body temperature also at ambient frost
- **Cooling** = the material Dakar can divert body temperature and in comparison with the external environment it has a cooling effect
- **Gentle** = thanks to low weight of products it saves space in bags and energy of their carriers
- **Economical** = thanks to the hygienic function the washing frequency is lower, there is a saving of finance
- **Protective** = thanks to the properties of polyester material it has the ability to retain UV radiation
- **Practical** = the clothes dries very quickly, it does not need to be ironed, it can be dried in a dryer
- **Design** = we constantly develop cuts and designs in order to you looked beautiful in our clothes and felt comfortable
- + **Entertaining** = innovation that thanks to the addition of a „game fibre“ enables to take advantage of a new entertaining function that you can create yourself (for more information watch our website and our FB)

FUNCTIONS divide our offer of products into collections:

**Collection CLASSIC** – links the antibacterial fibre nanosilver® and the BIO cotton:

Antibacterial, hygienic, medicinal, economical, design

**Collection Dakar** – links the antibacterial fibre nanosilver® and the fibre Coolmax®:

Antibacterial, hygienic, medicinal, diverts moisture, cooling, gentle, economical, protective, practical, design

**Collection Himalayas** – links the antibacterial fibre nanosilver® and the fibre ThermoCool™:

Antibacterial, hygienic, medicinal, diverts moisture, warming, gentle, economical, protective, practical

+ **Newly since the year 2014 collection FUN T-shirt – new series includes the „entertaining fiber“**

Become a member of an exclusive group of people who can wear silver as well as astronauts!

Your team nanosilver®



# Collection CLASSIC

T-shirts and underwear for the year-round use. The material provides a soft and comfortable feeling of touch, it is elastic, it adjusts to the body and it creates so called the second skin.

It diverts sweat and destroys bacteria that cause an odour. It helps to heal wounds and abrasions. It is suitable for sport, offices or for a casual wear. It does not cause chafes. A big advantage is the ability of the material to remove moulds, fungal infections and eczema and to prevent them reliably. Versatility of the use lies in the concept of colours - black and white, the clothes is therefore possible to combine easily with favourite pieces from your clothes. A novelty is the extension of the collection of other colours, especially of the brandy green one.

Classic



T-shirts • singlets • undershirts • panties • boxers • headbands

60% Cotton 32% fibre nanosilver®

8% elastane

## 1 | Multifunctional headband - scarf

- white or black



## 2 | Men's | Women's T-shirt

- with print SPORT  
- black



## 3 | Men's | Women's T-shirt

- print of molecules or butterflies  
- black or white



## 4 | Men's | Women's T-shirt

- with a LOGO  
- black or white





- 5| **Women's T-Shirt with short sleeves**  
- white, green, salmon pink or black



- 6| **Women's T-shirt with long sleeves**  
- white or black



- 7| **Men's T-Shirt with long sleeves**  
- white or black



Suitable for a variety of professions as well as a functional working clothes.



**Do you know that?**

It has been demonstrated that molecules of silver (with dimensions in the range 1-100 nm) have an antibacterial effect on a wide range of bacteria (e.g., *Escherichia coli*, *Chlamydia trachomatis*, *Providencia stuartii*, *Vibrio vulnificus*, *Pneumobacillus*, *Staphylococcus aureus*, *Candida albicans*), and other pathogens.



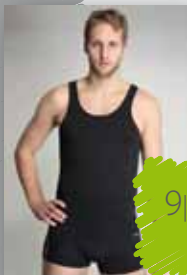
- 8| **Men's T-shirt with long sleeves**  
- white or black

**Are you looking for a functional underwear,** that actively diverts perspiration, helps to eliminate unpleasant odours and also has antibacterial properties?

Underwear must be particularly comfortable to wear, but also functional. The underwear nanosilver® combines these features in one unit and offers an alternative for those who put a real emphasis on the choice of underwear.

### 10 tips for buying functional underwear

1. Decide what you are buying the functional underwear for
2. Think, for which season you are buying the clothes
3. Pay attention on the correct size
4. Pay attention on its weight
5. Require extra features
6. Think about what other layers of clothes you use
7. Take in account references of your friends
8. Study enough information
9. Let other people to advise you
10. Be loyal to the selected brand



**9| Men's undershirt**  
- white or black



**11| Boxers with an elastic**  
- black



**12| Slip with an elastic**  
- black

**13| Boxers**  
- white or black



**14| Boy shorts**  
- white or black



**15| Panties with an elastic**  
- black



**16| Panties classic**  
- white or black



**10| Women's singlet**  
- white, black or green





18| **Women's sports shirt with a red insert**

- black with red insert



18| **Women's sport shirt with a green insert**

- black with a green insert



19| **Women's fitness tank top**

- salmon pink



17| **Sports Bra**

- black, green, red



**Do you know that?**

**...There is a difference among the products with silver?**

Quality of the mount of silver on the fibre is very different. On the market there are products that proclaim the silver content in the product and so they guarantee its antibacterial properties. **How is the silver mounted on the fibre nanosilver®?**

Silver is possible to "get into the fibre" in a simple way, i. e. by means of dipping in a bath. This way is relatively easy, but it is not permanent. Conversely, the method that uses the technology nanosilver® is more beneficial for users and the environment! **Silver is by means of nanosilver® method firmly fixed in fibre** and it does not get out of the fibre while washing. It is in the clothing throughout its service life and so it can have effect continuously. It is not released into the environment by washing!



20| **Women's T-shirt with a collar**

- with short sleeves  
- black or white

# Collection DAKAR

In order to make absolutely comfortable and functional clothes in all conditions, we developed a summer cool clothes by means of combination of nanosilver® material with Coolmax®. It proudly bears the name of Dakar because it was tested at temperature extremes on the Dakar in South America. The results of the test are enthusiastic riders, we are also delighted and you can also be very pleased. On warm summer days itcools pleasantly, it diverts the sweat to the top layer of sweat, it dries quickly. It is suitable both for sport and for casual wear. All anti-odour and antibacterial properties are retained.



T-shirts • singlets • panties • socks

52% Coolmax® 48% fibre nanosilver®

## 21| DAKAR panties with stitching - green or black



## 21| DAKAR panties - black and green



## 22| Men's T-shirt Dakar - black-green or wine-coloured



## 23| Women's T-shirt Dakar - black and red, black and green or green and black





**26| Men's Polo Shirt**  
- Red and black or black and red



**24| Boxers DAKAR**  
- black and gray, black and green or black and wine-coloured



**25| Women T-shirt Dakar with stitching**  
- black with green stitching or green with black stitching



## Testing on Dakar

Navigator of racing special Hummer H3evo  
Míla Janáček says:

„.... I have to all of these „cosmic stuff“ that is sold to us by means of all those ads, sort of distance and shyness, but in the case of nanosilver® underwear I was really pleasantly surprised! Not only that the material is nice, i.e. it does not bites and it ventilates, but you really less sweat in the problematic parts and that's why there are no standard chafes like in the case of the current clothes. In addition, it diverts sweat very well and so in the case of a change in temperature downwards one does not get a chill. Thanks to good cuts then I must admit that clothes fits well and a person does not have, even after a long time sitting in a racing seat, anywhere on the body sores of seams of the clothes that could somehow annoy him and that could and distract him while making the best possible performance.“



Aleš Loprais, our nanosilver® testing rider at Rally Dakar

# Collection HIMALAYAS

A unique combination of nanosilver® materials and Thermo®Cool™ is a technological leader on the market with thermal underwear. Thermal effects were verified during several expeditions to the Himalayas, to the eighth highest mountain in the world Cho Oyu.

Thermal underwear was so praised for example by climbers at the altitude of 7600 meters above sea level. Now you can also take advantage of the thermal effects combined with odour eliminating properties, which is generally a common problem in the case of thermal underwear. Like all clothing of the brand nanosilver® also the thermal underwear is antibacterial. Among other positive features belongs especially the destruction of fungi, bacteria and fungal infections. But also a low weight in a backpack.

Himaláje



thermal shirt • thermal underpants

44% fibre nanosilver®  
52% Thermo®Cool™  
4% lycra



27| **Thermal boxers**  
- dark gray, black and green

28| **Thermal boxers**  
- dark gray, black and green



30a| **Men's | Women's thermal underwear**  
- black and gray or black and white



29a| **Women | Men's thermal T-shirt**  
- black and green or black and white  
honeycomb

31| **Ski balaclava**  
- black



30b| **Men's | Women's thermal underpants 3/4**  
- red or blue



29b| **Women's | Men's thermal T-shirt**  
- red or blue



30c| **Women | Men's thermal underpants**  
- red or blue

## Testing in the Himalayas and the Pamir

**2010 | Cho Oyu 8201 above the sea level**

tested: Ing. Petr Valchař, Martin Helcel, MUDr. Petra Guňková, Ph.D.

**2012 | Lhotse 8516 above the sea level**

tested: Leopold Sulovský, Pavol „Lupi„ Lupták, Milan Sedláček, Radovan Marek, Marek Ožana (Radovan Marek and Milan Sedláček reached the peak)

**2013 Muztagh ata 7546 above the sea level –**

**First climb with a pacemaker**

tested: Markéta Hanáková, Zdeněk Hodinář

The climbers had the opportunity to try and test in extreme conditions functional socks, underwear and thermal underwear from the collection Himalayas. A few sentences from the evaluation from Himalayas: „Thermal underwear nanosilver® withstood well at high altitudes and provided surprisingly good thermal comfort. Also, we evaluated very positively the functional knee-high stockings nanosilver® that some members even shod when attempting to reach the top without having any problems.“

A special thing of the expedition to Pamir was that Margaret participated this climb as the first the woman in the world, who has had a pacemaker fitted. If you want, anything goes!





# Collection GOLF

We have prepared for you a series of new clothing that is appropriate not only to the environment of golf, but also very well applicable for a casual wearing. The collection is suitable whether you are experiencing a game of nerves at the golf tournament or when you are solving a difficult work assignment, when it often happens that a person really sweats. The problem with unpleasant feeling originates. When creating this luxurious collection of clothing nanosilver® we also rely on the fact that not everyone will appreciate the qualities of polyester fibre, although it is enriched with an antibacterial property and effectively divers sweat. Someone prefers the smooth feeling of cotton. We prepared two series of polo shirts with knitted collar for both men and women.

**GOLF ACTIVE** is made of a material Dakar (fibre nanosilver® + fibre Coolmax®)

**GOLF CLASSIC** take advantage of the softness and elasticity of the material Classic (fibre nanosilver® + cotton + elastane)

Enjoy the luxury and comfort!



# 12

## polo shirt Active • polo shirt Classic

52% Coolmax™ 48% fibre nanosilver® 60% Cotton 32% fibre nanosilver® 8% elastan



## 33 Women's/ Men's polo shirt Golf Active

- White colour (in the ladies' version with the green button placket), black with green button placket



## 32 Women's / Men's polo shirt Golf Classic

- red, white, black



34| **Sports folding socks**  
- white and gray, dark gray or black



35| **Formal socks**  
- white, black or gray



36| **Bike/cycling socks**  
- light combination or dark combination



37| **Thin ankle socks**  
- black or white



38| **Ski/In line socks**  
- dark gray



39| **Trekking socks**  
- dark gray



40| **Sports thermal socks**  
- grey and black



41| **MOTO socks**  
- gray and red or gray and green



size chart

S (3-5)	35 - 38
M (6-8)	39 - 42
L (9-12)	43 - 46
XL (13-15)	47 - 49

Knee-high stockings • socks

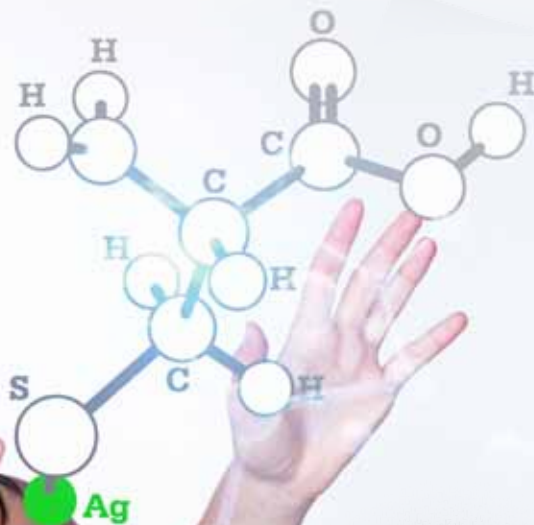


## NanoTrade Ltd.

Czech company founded in Olomouc in 2004. Czech manufacturer of products nanosilver brand. Thanks to the support and close cooperation with research institutes and universities in the Czech Republic, Poland, Austria, Germany and Great Britain we realize our own applied research and development of samples of new materials, technologies and processes at all levels for many fields of application.

### Our main fields of activity are:

- ✖ Applied research and development
- ✖ Innovations of technological processes
- ✖ Applications of nanotechnologies and nanomaterials
- ✖ The use of grants and public support for technology transfer
- ✖ Cooperation in R & D (research and development)
- ✖ Consultation and advice
- ✖ Production and sales of the antibacterial goods of the nanosilver® brand



### Our new research projects:

- P1** Veterinary applications TraumaPet®
- P2** Additives for reducing emissions
- P3** Smart textiles

# NanoTrade

s.r.o.

[www.nanosilver.eu](http://www.nanosilver.eu)