Nanofiber Anti-allergy Bedding

JIŘÍ KŮS
Czech Nanotechnology Industries Association, nanoSPACE
1959 Richard Feynman
1981 Scanning tunneling microscope STM
1986 Atomic force microscope AFM
1986 Eric Drexler Engines of Creation
1991 Carbon nanotubes
1997 First nano company Zyvex in USA
2000 Start of commercial applications of nanotechnology, NNI
2004 Czech nanospider technology for industrial nanofibres production
Czech is nano
NANOTECHNOLOGY HELPS ALLERGIC PERSONS

The first concept in the world of hypoallergenic interior based on nanotechnology.

Nanofibre barrier bedding is an innovative way how to protect against dust mites and their allergens.
WHO: Worldwide, the rise in prevalence of allergic diseases has continued in the industrialized world for more than 50 years.

WHO: Worldwide, sensitization rates to one or more common allergens among school children are currently approaching 40%-50%.

Prognosis: In two years, one in two Europeans will be allergic

Czech Republic: 31.8% of allergic people, 800,000 of people with asthma (Czech Republic is in the world in the 8th position with the number of asthmatic people)

Dust mites are the most common trigger of year-round allergies and asthma
Existing anti allergy solutions:
1. pills
2. anti allergy beddings from harmless material, it is no dust mite protection
3. anti allergy dense microfibre beddings that catches 70% dust mites & 0% allergen

New anti allergy solutions: **anti allergy nanofibre barrier bedding**

- Holes of the nanotextile: 80-100 nm
- Dust mite: 300,000 nm
- Allergen: 1000 nm

**100% PROTECTION**

Neither dust mites nor their allergens pass through the nanofibre layer!
Company

First company in the world manufacturing nanofibre barrier bedding

Established in 2012

2013 Start of e-shop

2012 - 2015
Development of the most suitable nanomaterials for bedding

End 2015 Stabilised and complete portfolio

April 2016 Launch of revolutionary Nanocotton

TARGET: Nanofibre barrier beddings as a new level of dust mite allergy protection
Global leader in anti-allergy barrier beddings market

Nanofibre barrier beddings as a new general bedding standard
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<th>Allergy Protectors</th>
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<td>Allergy Beddings for Children</td>
<td>Anti Dust Mite Bed Linen</td>
<td>Anti Dust Mite Sheets</td>
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Cotton sateen on the surface has a solid structure with a glossy finish, the vibrant colors remain stable even after many washing.

Verified capture of allergens 99,9%

Suitable for all beddings and mattress types

Completely replaces barrier covers and allergy pillows and duvets

Launched in 2016
THANK YOU FOR YOUR ATTENTION
Czech is nano!