

# CONTIPRO

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Executive Assistant to CEO

Devices for nanotechnology - nanomaterials



# CONTIPRO

**World's leading manufacturers** of hyaluronic acid and derived applications

Research and development of **active ingredients** for the **cosmetic and pharmaceutical industries** for the **last 25 years**

**95 %** of production exported to 51 countries

Innovation and in-house research – 16 high-tech laboratories

Holds over **70 patents** and is regularly publishing

# FIELD OF TECHNOLOGY

## ACTIVE PHARMACEUTICAL INGREDIENTS

highest possible standards and  
quality of sodium hyaluronate

## ANTI-AGING SPECIALIST

active ingredients  
for cosmetic industry

## SPECIALITY HYALURONAN CHEMICALS

laboratory products  
for R&D purposes

## HYALURONAN FORMS

various forms of processed  
sodium hyaluronate

## WOUND HEALING

pharmaceutical products for  
wound healing based  
on hyaluronan

## VETERINARY PRODUCTS

animals wound care  
and arthritis

## NANOTECHNOLOGY DEVICES

development of new  
nano-applications  
from biopolymers

## REGENERATIVE MEDICINE

novel products for  
tissue engineering  
(under development)

# PRODUCTS



**Hyaluronic acid** – pharmaceutical, cosmetic and nutritional grade

**4SPIN®** – electrospinning technology used in the nanomaterial from natural and synthetic polymers (laboratory and semi-industrial devices)

**Nanofiber cosmetics** – tailor-made cosmetics based on hyaluronic acid and designed according to the customer's needs

**Active cosmetic ingredients** – HyActive®, HySilk®, Recelline®, Elaseif® etc.

**Wound healing products** – Hyiodine®, Anigran®, Dentaren

**Management of osteoarthritis** – Bohnaren®, Geloren<sup>Dog</sup>, Geloren<sup>Horse</sup>



# HYALURONAN FORMS



# 4SPIN<sup>®</sup>



**Combination of techniques** – electrospinning, electroblowing or electrospraying

Preparation of nanofibers from solutions of both **synthetic and natural polymers**

**A variety of** collectors and emitters

**Nanofiber layers with varying degrees of alignment**

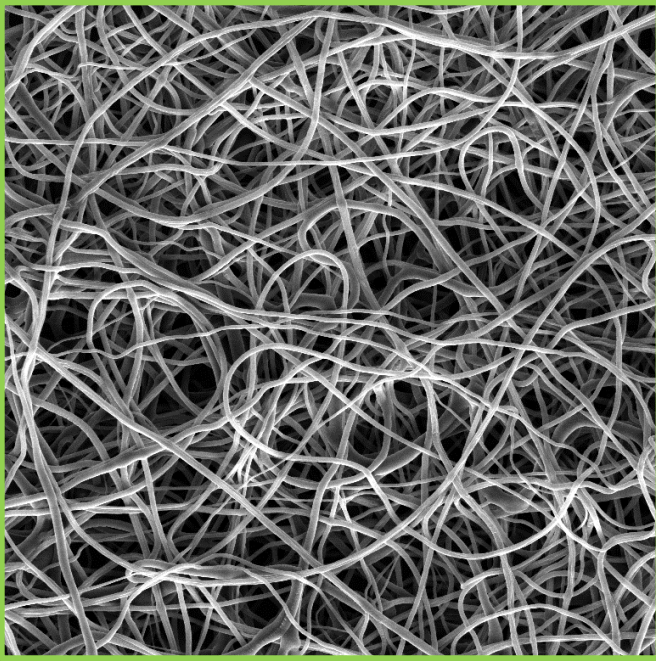
**Intuitive control**

**Safe and reliable** (automatic discharge system)

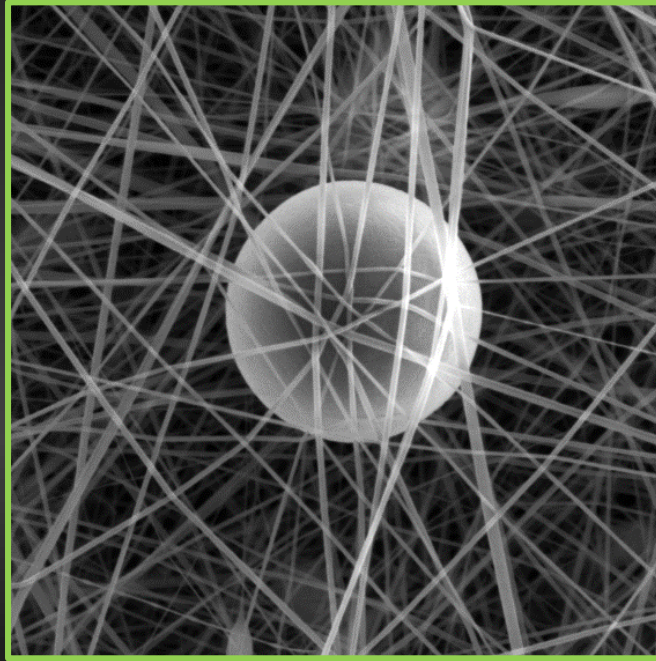
**Patented** collecting mechanism

Designed for use in the **pharmaceutical industry** and for **research** in the **nanotech industry**

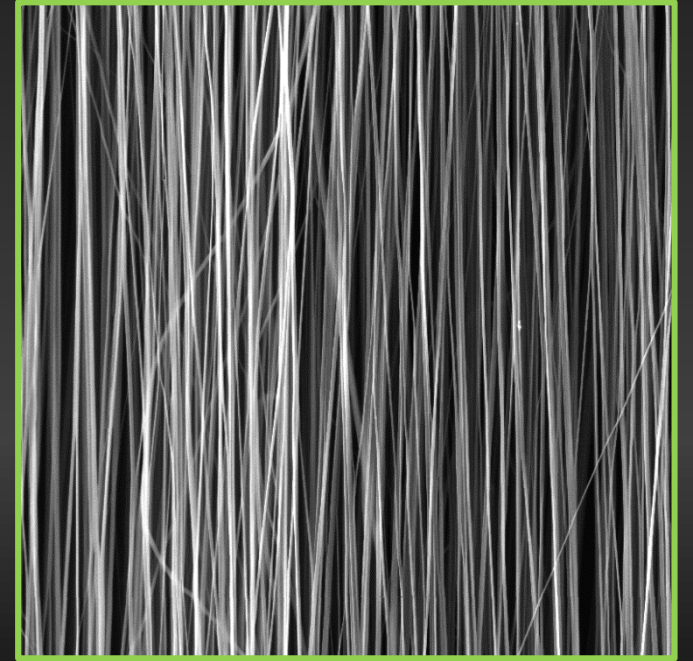
# VARIOUS TYPES OF NANOFIBER LAYER



BIOPOLYMERS



COMPOSITES



ALIGNED NANOFIBERS

VIDEO



4SPIN<sup>®</sup> CONTI

# NANOFIBERS – PRODUCTION AND RESEARCH



Nanofibers from synthetic and natural polymers

## BIOMEDICAL APPLICATIONS

Tissue engineering

Wound healing

Scaffolds

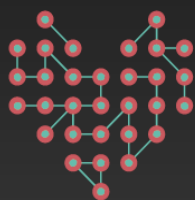
Drug delivery

## COSMETIC APPLICATIONS

Anti-aging agents

Anti-inflammatory formulations

# INTERNATIONAL RESEARCH PROJECTS



**AMCARE**  
ADVANCED MATERIALS for  
CARDIAC REGENERATION

post-heart attack  
treatment



avoiding adverse immune  
reactions following implant  
surgery



treatment of spinal cord injuries



novel biomimetic nerve  
prostheses





# CONTIPRO

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[www.facebook.com/contipro](https://www.facebook.com/contipro)

[www.4spin.info](http://www.4spin.info) (electrospinning device)  
[www.facebook.com/aktivni.zvire](https://www.facebook.com/aktivni.zvire) (veterinary products)  
[www.hyiodine.com/patients-about-hyiodine](http://www.hyiodine.com/patients-about-hyiodine) (wound healing)