



# TENTORIUM RULAND

## FACTORY CATALOGUE





## ABOUT US

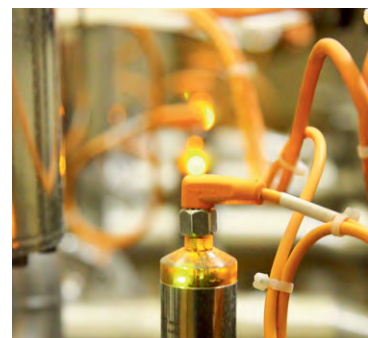


TENTORIUM® has been producing multifunctional health and longevity products based on natural honey, propolis, flower pollen and bee-bread, beeswax, royal jelly and drone jelly for over 33 years.

The Company is a leader in the processing of all known beekeeping products, as well as their selling both in Russia and abroad. The geographic footprint of the products is about 40 countries and continues to expand.

The product line includes more than 200 items produced on the basis of beekeeping products: dragee, creams & ointments, balms, dietary supplements, sports nutrition, honey compositions, cosmetic and foaming cleaning products. The company pays great attention to current trends in health and beauty care and expands its product line taking into account current trends.

# ABOUT THE FACTORY



All products are manufactured at the state-of-the-art TENTORIUM RULAND factory, which was designed and built by the German company Ruland Engineering & Consulting in accordance with all Russian and international legal requirements. The equipment was made according to individual drawings and has no analogues in the world.

The factory carries out a complete production cycle from the processing of raw materials to the production of finished products in consumer packaging. Modern equipment allows raw materials to be processed gently, retaining maximum nutrients.

The technological process at the factory is fully automated. This eliminates the human factor in the work process. Even washing of the equipment is carried out automatically by CIP cleaning system. Operators only supervise the smooth operation of production lines.

The Factory has its own water supply and water treatment system, as well as all necessary energy resources, and is environmentally friendly and environmentally sound. Almost complete autonomy (only gas is purchased) allows production to be carried out in the shortest possible time.



# SAFETY



ISO 22000 CERTIFICATE (HACCP) DATED OF MARCH 22, 2021



FDA CERTIFICATE DATED FEBRUARY 04, 2021

TENTORIUM® pays special attention to quality assurance and product safety in accordance with the requirements of ISO 22000 (HACCP) and FDA systems.

In accordance with ISO 22000, the Factory conducts multi-level laboratory controls and analyses on each batch of raw materials, semi-finished products and manufactured goods. In addition, each batch of the finished product undergoes a reverification by the independent laboratory «Federal» (accredited in Russia).

ISO 22000 is an international food safety standard that regulates all stages of production and marketing, 'from farm to plate'. It includes the Hazard Analysis and Critical Control Point (HACCP) systems, that is an international system guaranteeing the production of products that are safe for humans.

FDA (Food and Drug Administration) is a standard developed by the United States that involves testing for compliance with the greatest number of safety criteria for food and cosmetic products.



The Company is currently undergoing certification for compliance with FSSC 22000 and ISO 22716 (GMP).

FSSC 22000 is a Food Safety System Certification based on the internationally recognized ISO 22000 standard and supplemented by the technical standards ISO/TS 22002-1, ISO/TS 22002-4 or PAS222. It takes into account the GAP analysis of the Global Food Safety Initiative (GFSI).

GMP (Good Manufacturing Practices) is an international system of rules, regulations and guidelines for the production of health products (food, dietary supplements, pharmaceuticals, cosmetic products, etc.).



# HONEY BLEND PROCESSING PLANT



Closed-type vessel equipment for 500 and 1000 litres with two-level agitator (gate mixer and homogenizer-disperser) and the ability to maintain a set temperature. The plant is equipped with a thermostatically controlled piping system.

IT CAN BE USED TO MANUFACTURE:

- jelly and jelly products;
- sauces;
- pastes;
- mayonnaise;
- syrups (including invert), nectars, etc.

# EXTRACTION PLANT



A 1500 liters extractor with two-level mechanical agitator and the ability to maintain a set temperature. It allows for layer-by-layer separation of the liquid. The plant is equipped with a filter system and includes two 2,000 litre tanks, each equipped with agitators.

IT CAN BE USED TO MANUFACTURE:

- water extracts of raw materials of animal and vegetable origin;
- oil and other extracts of raw materials of animal and vegetable origin.

# OINTMENT (CREAM) PRODUCTION PLANT



150 litre and 500 litre mixing tanks with jacketed mixer and agitator. Melting tank with agitator and 50 litre jacketed mixer. The plant is equipped with a nitrogen inerting system (excluding oxygen oxidation of some media), as well as a system of filters and thermostatically controlled pipelines.

It can be used to make various types of creams and ointments.



# DRAGEE PRODUCTION PLANT



A horizontal drum-type pelleting machine with a capacity of up to 1200 kg per cycle. It also includes 2 syrup production tanks with a capacity of 1,000 litres each, a powdered sugar mill and a plant material grinding plant. As part of the dragee production workshop, there is a dragee drying area with a microclimate and dry air preparation unit.

IT CAN BE USED TO MANUFACTURE:

- soft sugar-centered dragees;
- chocolate dragees;
- dragees of various shapes;
- dragees of various types of knurling;
- snacks, etc.

# COSMETICS PRODUCTION WORKSHOP



The workshop is equipped with:

- 160 litre vacuum mixer-homogeniser with double gate mixer and homogeniser on one shaft (with the possibility of vacuum loading of liquid and powdered raw materials - top and bottom vacuum loading); it also includes two containers for raw material pre-treatment;
- 60 litre vacuum mixer-homogenizer with gate mixer and bottom mounted homogenizer;
- 600 litre reactor tank with gate mixer and fast heating/cooling capability;

In addition, there is an automatic tube filling and sealing machine, a gear-type and plunger-type semiautomatic filling machine, a semi-automatic labelling machine and an ultrasonic semiautomatic tube sealing machine.

# BAR PRODUCTION AND PACKAGING LINE



The automatic line consists of a homogenizing dough-maker, a stuffing shaper, a glazing and decorating machine and a horizontal packaging machine. Its capacity is 9,000 packs per hour.

It can be used to make glazed sweets/ bars.



# HONEY POWDER (DRIED HONEY) PRODUCTION PLANT



1 cubic meter vacuum cupboard drier with stainless steel shelves and stainless steel food containers. Temperature range: room temperature to 150° C.

It can be used for vacuum drying of all types of food products with or without heating.

# PET PACKAGING PRODUCTION WORKSHOP AND PACKAGING WORKSHOP



THE PET packaging production workshop is equipped with semi-automatic blowing machines with various moulds; the preform heaters are equipped with inserts for 58 mm neck and for BPF, PSO and PSO 1881 standard necks.

Compressed air, pressure from 16 to 25 bar.

THE PACKAGING workshop is equipped with two universal automatic filling and labelling lines. Packaging is possible in various formats of plastic and glass containers (cylindrical, hexagonal, square), packaging of granules/dragees using bulk weighing scales, packaging of liquid and viscous products (honey, syrups).

Induction sealing of necks with membrane.

THE PACKAGING WORKSHOP IS ALSO EQUIPPED WITH:

- Flow-Pack semi-automatic vertical packing machines (dragees/granules/powder);
- semi-automatic gear and piston-type distributors;
- ultrasonic tube sealer and doy-pack sealer.



# AWARDS



The Company's natural, healthy and safe products are regularly recognized with high awards. TENTORIUM® is a multiple winner and laureate of prestigious professional and industry competitions. The Company has 27 medals from international congresses of the APIMONDIA International Federation of Beekeepers` Associations, 10 diplomas from the «100 Best Goods of Russia» contest and 5 international awards, including the Napoleon Medal and the Grand Gold Medal of the International Association for Promotion of Industry.



# RAIL KHISMATULLIN

PRESIDENT AND FOUNDER OF TENTORIUM®



Member of the Propolis Commission of the Apimondia World Federation of Beekeeping Associations.

Chairman of the Expert Council of the Planet Bee Charitable Foundation. General producer of «RG Bros Studio», which produces the animated series «Beeography».

Initiator of global environmental campaigns to protect bees.

Member of the Board of the «Union of beekeepers of Russia».

## CHARITY

Supports different religions:

- Construction of a mosque with personal funds in the village New Artaul of Yanaul district in Bashkiria
- Financing the construction of an Orthodox church-chapel in Kazanka village of the Perm region
- Sponsorship in the construction of the Moscow Cathedral Mosque complex
- Financing the construction of a Buddhist temple in Moscow
- Restoration of an Orthodox church in the village of Shelabolikha in the Altai region
- Charitable assistance to the Perm Pediatric Oncohematological Center named after Dr. F. P. Gaaz. Financing the medical treatment of small patients, gifts for children.

## ENVIRONMENTAL INITIATIVES

- Author of the idea of celebrating World Bee Day, which was established by the UN, and projects in the field of bee conservation.
- Initiator of the establishment of the World Bee Day in Russia.
- The author of the ecological project «Wax Moth Farm», that may become the key to solving the problem of polyethylene accumulation in soil and water.

## AWARDS

Rail Khismatullin's activities were marked with 27 medals, awards, letters of thanks at international and national level. Among them:

- Medal of the Order «For Merit to the Fatherland»
- Medal «For Valiant Labor» of the Republic of Tatarstan
- Certificate of honor of the President of the Russian Federation for the achieved labor success and many years of conscientious work
- Honorary Badge «For Achievements in the Field of Quality»
- Laureate of the international award «Person of the Year» in the nomination «For contribution to the health of the nation»
- Laureate of the Napoleon Gold Medal - the highest award of the International Association for the Promotion of Industry (Paris, France) «For special services in the development of the beekeeping industry, agriculture and the Russian economy in general»
- Big Gold Medal of the Association for the Promotion of Industry (Paris, France) «For the dynamic development and high quality of TENTORIUM products»ТЕНТОРИУМ».

A MAN OF WORDS AND DEEDS!



# ORIGINAL EQUIPMENT MANUFACTURING (OEM)



With our large manufacturing facilities, our Company is ready to produce exclusively products according to your specifications.

TENTORIUM® HAS ANY AND ALL RESOURCES FOR SUCCESSFUL IMPLEMENTATION OF YOUR IDEA:

- own manufacturing and storage facilities;
- laboratory;
- well-established technological processes;
- qualified and experienced professionals.

You will receive a finished product in the shortest possible time, without running sky-high investment in organization of your own production.

WE INVITE YOU  
TO MUTUALLY BENEFICIAL  
CO-OPERATION

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