RESEARCH & DEVELOPMENT



New Level Of Opportunity

- 203°C without Nitrogen





Dr. ANDRYI KAMENIVSKYI

PRESIDENT OF **KRYOTECH COMPANY** **Dear Ladies and Gentlemen**,

Kryotech is a R&D company, set up for the commercial implementation of ultra-low temperature technology in science, medicine, and production sectors. The head office of Kryotech is situated in Magdeburg, Germany, with exclusive access to the newest developments of the leading Ukrainian cryogenic research laboratory Dnipro MTO

A compact, close-knit format of our company allows us to maintain mobility in decisionmaking, efficiency in the implementation of new inventions, and unique flexibility ixn customization of complex devices

We highly appreciate your attention to our company. Our goal is to provide our customers with high quality services and high-end, competitive, and efficient technologies

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Kryotech: History



Kryotech was founded in 2013 in Germany for the implementation of developments on the basis of the oldest design laboratory in Eastern Europe -Scientific Research Institute "Saturn", which has been operating in the ultra-low temperature segment for more than 50 years







Technology



Kryotech: **Technology**





Kryotech is a leading company in the field of low, ultra-low, and cryogenic temperature solutions. Our LN2-free systems are able to obtain the following temperature ranges: -30C | -90C, -150C | -165C, -180C | -203C

Our technologies have been successfully used in medical and scientific sectors, as well as in the manufacturing of specialized equipment and devices

One of the latest and most relevant developments of **Kryotech** is a unique "SuperCryo" technology that can obtain ultra-low temperatures down to -203 °C

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Kryotech copyright technologies are protected by international patents:

© Mostytskyi A., Baklan O., Kamenivskyi A., Komarov B., Patent UA 97678,25.03.2015

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Kryotech: Technology



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Application

Serial Products



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Kryotech has its own facilities to manufacture experimental and low-volume series of cryogenic equipment for uses in the fields of healthcare and beauty, research, and industrial manufacturing

Kryotech facilities are certified and operate according to the requirements of EU quality standards ISO 9001 and ISO 13485

All Kryotech products pass quality tests and have CE certification

We offer both, standard original products and OEM manufacturing of customized equipment



Ultra Low Temperature Chest ULC-15, ULC-30, ULC-80, ULC-200 (15L, 28L, 80L, 212L, -90°C)



- Compact energy-saving freezers for long-term storage
 - of vaccines and biomaterials



Cryo Temperature Chest CTC-150 (150L, -150°C/220V, -165°C/380V) The freezer for long-time storage of samples at the temperature of -150°C



provides substitution of the systems which are based on

liquid nitrogen vapors



the single-compressor design provides reliability and easy-to-use exploration



2 models: -150°C for 220V and -165°C for 380V







This freezer designed to replace storage systems using Liquid Nitrogen



a chamber small size provides fast changing of temperature within the inner space



the system provides fast

regulation and stable

temperature maintenance



small footprint releases from problems with transportation

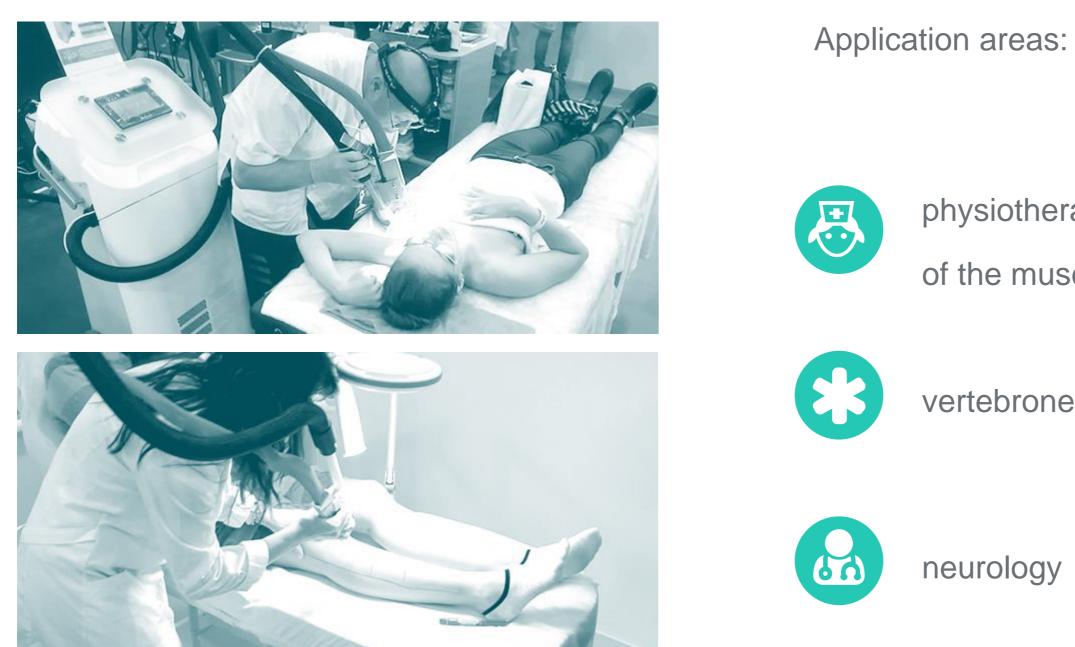


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Cryo Temperature Chest CTC-5/180 (5L, -180°C/220V)







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- The Cryotherapy Device "CoolStream" (-32°C)
- Mobile cryotherapy device with working temperature -32°C

physiotherapy (curing diseases of the musculoskeletal system)



rehabilitation practice (recovery from injuries and/or surgeries)

vertebroneurology



phlebology



Cosmetology (laser procedures)



Mobile cryotherapy device with working temperature -32°C



both-side instrument

connection



precise skin temperature control with infrared sensor



auto and manual modes of blowing speed



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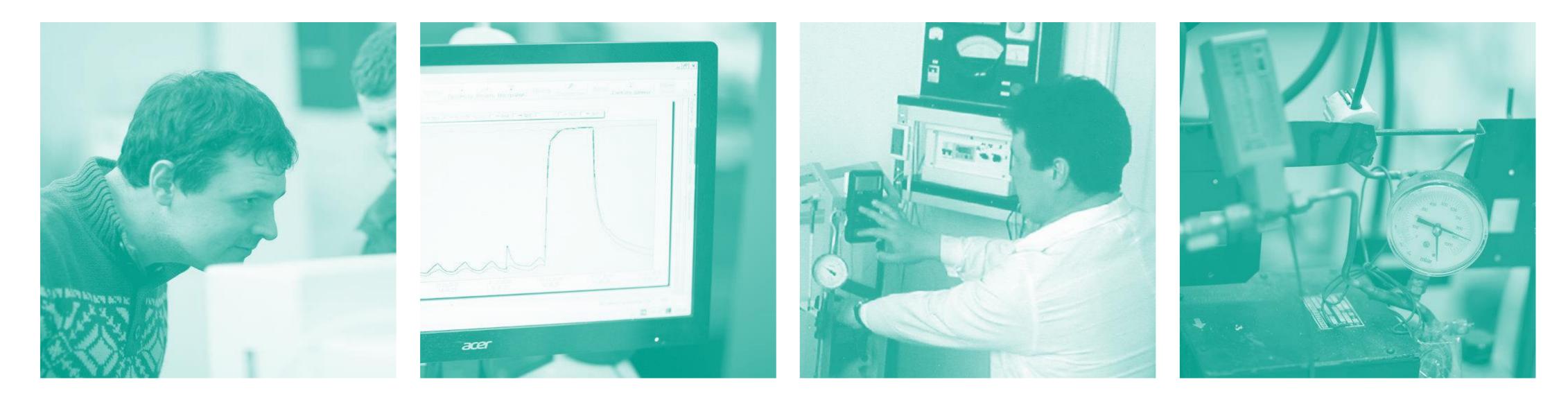
The Cryotherapy Device "CoolStream" (-32^oC)





Application

R&D Solutions



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- Every day, scientists and engineers in the Kryotech laboratory work to
 - improve our designs and search for new solutions in the
 - field of cryogenics



Cryo Surgery -175°C

Kryotech developed a device for Cryo destruction that is used in dentistry, gynecology, dermatology,

ophthalmology and veterinary medicine











Cryo Sauna -110°C

Based on our technology "SuperCryo" we developed a Cryo Chamber to be used as a platform for the different types of Cryo Sauna. The basic unit is working at a temperature of -110 °C



Cryo Module -203°C

Cryo Module is a unique device based on our innovative method of achieving ultra-low temperatures without the use of liquid Nitrogen in a most cost-effective way. The Cryo Module is an LN2-free, compact, reliable, high-effective "cold generator" with the working temperatures range from -150°C to -203°C



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GERMANY

Future



Looking for new solutions

As a scientific laboratory Kryotech is continuously looking for new solutions in the field of ultra-low temperatures equipment and applications. Therefore we would consider any opportunity of joint activity in this area. Joint activity could mean a partnership with interested sides who are working in the same field of application

Please, contact us for consultation regarding any manufacturing issues!

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Kryotech: Future

Satisfy your special requirements

We look forwardto collaborating with the interested colleagues, who have already used Cryo equipment in different fields of application, or plan to use it in nearest future. We would be happy to hear any questions or recommendations from you. We will try to satisfy your special requirements and do our best to realize them





Kryotech



Common values unite Kryotech Team and allow us to work harmoniously and achieve our goals

Responsibility

Self-esteem

encourages our experts to achieve the maximum quality of any product under the brand Kryotech



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Kryotech: Values

Reliability

expressed in environmental care, compliance with stringent requirements for the environmental cleanliness of Kryotech's technology and products

obliges us to build relationships within the company and cooperate with customers and partners with honesty and openness



Kryotech: Environmental Position

Mass implementation of the use of nitrogenfree technologies to achieve low temperatures, allows us to obtain unique environmental performances

For manufacturing cryogenic equipment, we use environmentally friendly, certified materials from proven suppliers



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Kryotech: Our Team...



DR. ANDRIY KAMENIVSKYI PRESIDENT



DR. ANDRII MOSTYTSKYI PHD, SCIENTIFIC DIRECTOR





DR. ASHOT ARUTIUNIAN PHD, HEAD OF BUSINESS DEVELOPMENT



SOFYA NAZARENKO SALES ASSISTANT



GRYGORIY ROSHAL HEAD OF REPRESENTATIVE

OLEG IVANKO OPERATING DIRECTOR



VOLODYMYR NAZARENKO HEAD OF PROCUREMENT DEPARTMENT



ELENA BURYGINA HEAD OF SALES



OLEH STEPANENKO HEAD OF DESIGN DEPARTMENT



OLEKSANDR PEKARYK MBA, BUSINESS ANALYTICS AND NEW PROJECTS



Kryotech: ...and it's Spirit



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Thank You!

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Do not hesitate to call us or mail if any question! See You!

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