



Belarusian State University of Informatics and Radioelectronics

R&D Department

Announcement

XXVI International Congress & Exhibition

“High technologies. Innovations. Investments”

HI - TECH' 2020

September 17-19, 2020

St. Petersburg, Russia

Cultural and Exhibition Center “EXPOFORUM”,

Petersburgskoye sh, 64/1

The International Exhibition of Innovations HI-TECH and the Competition of Scientific Developments is held in collaboration with the Petersburg Technical Convention at the confluence of professional interaction of experts and opens new business opportunities to all participants.

The HI-TECH exhibition is the first event in Russia in high technologies, innovations and investment projects in scientific and technical sector.

As part of the event there is to be hosted the Competition entitled “The Best Innovative Project and Scientific and Technical Development of the Year”.

On the exhibition BSUIR is showcasing the developments in ultrasonic technologies:

➤ **Portable cavitometer**

Designation: for measuring and controlling the activity of cavitation in high-power ultrasonic fields and hydrodynamic cavitators. The devices can be used for optimizing ultrasonic technological processes, determining the presence and intensity of cavitation in hydraulic systems and for measuring cavitation thresholds.

Distinctive features and advantages:

- ensures separation of the contribution of stationary and non-stationary cavitation;
- equipped with embedded memory card and USB port;
- packaged with software processing of measurement results.

➤ **Ultrasonic cavitation facility**

Ensures generation of cavitation in ultrasonic fields in a wide frequency range.

Distinctive features and advantages: high degree of reproducibility of cavitation modes of insonation, which ensures measurement and analysis of spectral characteristics of sensors and investigation of cavitation in liquids.

➤ **Contactless vibrometer**

Designation: designed for contactless measurement of the amplitude of vibration of metal surfaces, instrument and spare parts of machines, including ultrasonic converters.

The device can be used for contactless measurements of linear movements of metal products, as well as for controlling the dimensions of spare parts and estimating the deviations of dimensions thereof from those specified.

Distinctive features and advantages:

- the device is outfitted with the interface to connect a computer;
- developed modifications of the device for different frequency ranges;
- embedded gap indicator ensures precise setting and control of the gap.

[More about developments](#)

[Exhibition website](#)