

Dust and technical acoustics testing laboratory



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VVUU, a.s. is a European leader in the testing of combustible dust. The testing laboratory is fully equipped for solving problems in occupational hygiene, the operational safety and performance characteristics of air handling units. **VVUU, a.s. is testing laboratory no. 1025, accredited under ČSN EN ISO/IEC 17025:2018.**



We will solve the issue



Occupational hygiene - categorization of occupational professions (dust, noise, vibration)

Operational safety - airborne or sedimenting dust, technical acoustics

Performance characteristics of air handling units.

Dust testing laboratory

Accredited activities

- determining dustiness within the categorization of work according to standards EN 482, EN 689+AC,
- monitoring dust exposure in the workplace, solutions and proposals for measures
- measuring welding-stick smoke
- measuring machines, technologies and equipment for dust
- measuring dust in technologies in terms of the risk of explosion, fire
- determining dustiness in pipes gravimetrically according to the standards ISO 9096, EN 13284 - 1

Other activities

- measuring sedimentary dust fallout to determine the environment (within the requirements of ATEX 153).

Our experts is ready to consult and address your needs and requirements.

Based on our know-how and experience, we can help you find the optimal solutions for your projects, plants and facilities.

Technical acoustics testing laboratory

Technical acoustics testing laboratory, equipped with modern measurement technology by Brüel & Kjaer, for conducting:

- measurement and assessment of noise in the working environment for the purpose of classifying jobs into categories and in the outdoor environment according to the valid legislation
- measurement, evaluation and assessment of noise and vibration especially of mining machinery and equipment, manual pneumatic tools and other machinery.
- provides professional services for technical acoustics, which have the character of additional activities of the testing laboratory (expert opinions).
- the measurement and evaluation of noise and vibration is carried out according to valid harmonised standards and legislation

Accredited activities

- steady, variable and impulse noise
- acoustic performance of machines and equipment
- noise on the job and in workplaces
- noise outdoors
- vibrations transmitted to the hands
- vibrations transmitted to the feet of the seated operator
- total vertical and horizontal vibration on jobs



Seminars and educational activities

Our work in the field includes the organization of regular seminars that focus on the danger of the explosion of flammable gases, flammable liquid vapors and combustible dust, and on eliminating the risk of explosion in industrial plants. As part of these seminars, we conduct

demonstrations of the burning and explosion of combustible dust. We are ready to offer you our professional experience and will be glad to show you what combustible dust can do.



Engineering, analysis and assessments in operational and process safety. Comprehensive services and solutions in explosion prevention and protecting industrial operations. Our team of risk analysis experts is ready to consult and address your needs and requirements in the explosion protection document, external influence identification protocols, and in undertaking a risk analysis of electrical and non-electrical equipment.



VVUU is the Notified Body 1019 engaged in assessing the conformity of personal protective equipment against falls from height and slips, protective systems for use in explosive atmospheres (ATEX), explosives for civil use, and selected types of machinery for use underground.

The certification body VVUU is also accredited to certify protective and rescue equipment for working at heights, conveyor belts and flexible medium volume bags for non-hazardous materials.

VVUU has been assessing and defining fire and explosion risks for more than 70 years. VVUU, a.s. is a market leader, a company with a modern and well-equipped laboratory, testing and development facilities.

Ensuring industry safety is the clearly defined direction of the company's core activity. VVUU offers its services to all companies at risk of industrial accidents, explosions or fires.



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