Military Research Institute, s. e.

MATERIALS ENGINEERING

Specialization

- Metallic and non-metallic materials for military equipment
- Ballistic and blast protection systems and technologies
- Critical infrastructure protection
- Surface protection of military equipment
- Armour protection testing and certification

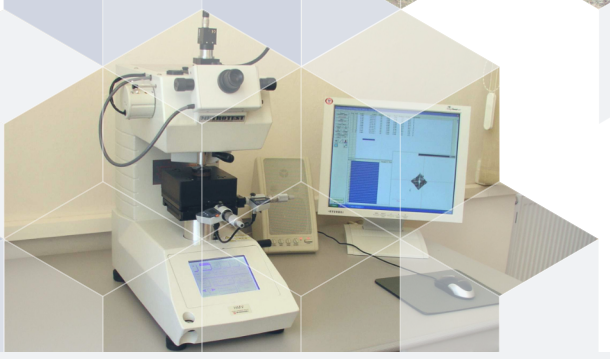
Capabilities

- Research, development and expertise in the field of military materials engineering
- Research, and expertise in critical infrastructure protection
- Research, development and expertise in the field of active ballistic protection system
- Testing of mechanical properties and structure of structural materials
- Testing of ballistic resistant materials
- Testing and certification of vehicle protection according to STANAG 4569 against kinetic projectiles, fragments, mines and IEDs using crash test dummies
- Testing and certification of critical infrastructure protection according to STANAG 2280

- Sensing of very fast events with high-speed cameras, measurement of acceleration and pressure during explosion
- Climate and corrosion resistance testing of coating systems and products
- Testing of metallic and non-metallic coatings, preservatives and packaging materials

Projects

- IGLOO – Modular shelter
- PAO – Advanced Active Protection of Pandur II vehicles against RPG and ATGM attacks
- Additional armouring of the turret of the CENTAURO II MGS 120/105 tank fighter
- Research, development, testing and evaluation of critical infrastructure elements
- OCHRAINFR – Protection of critical military facilities and infrastructure against vehicle penetration, blast, kinetic projectiles, fragments and RPG attack
- OCHRATECH – Modular armouring of engineer and logistics military equipment
- STORAGE – Means and technologies for long-term storage of military equipment of the Army of the Czech Republic
- LTL-TRIO – Research and development of composite armour



Military Research Institute, s. e.

Veslařská 230, 637 00 Brno,
Czech Republic
phone: +420 543 562 107
e-mail: vvu@vvubrno.cz
www.vvubrno.cz

Contact
Ing. Jan KŘESŤAN, Ph.D.
phone: +420 543 562 154
e-mail: krestan@vvubrno.cz