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OPTAGLIO prepares a new generation of microholograms

By Antonio D'Albore | August 18, 2017

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What we are starting now is a long term program that will generate innovations continuously. It will be backed by our extensive experience from a microholograms application as well as extensive material research in other units of OPTAGLIO LABS. I am looking forward to this incredible task very much," stated Karenský.

Microholograms, sometimes called „holographic dust“, are microscopic metallic particles of a size from 40 micrometres. Seen by a naked eye, they look like just as metallic dust. Viewed under higher magnification, it is evident that these particles are of regular shape and with a holographic surface. In addition to that, alphanumeric symbols can be engraved into the microholograms. Several levels of inspection are thus enabled from basic intuitive up to forensic. Microholograms are usually sealed into plastic foil or paper or added to transparent lacquer. They were invented in OPTAGLIO Labs and are protected by patent.

OPTAGLIO has been focused on research and development since 1994 when the company was established by a group of scientists from Czech Academy of Science. The company has retained its strong focus on science, research and effort to understand . These priorities strongly influence OPTAGLIO´s strategy regarding recruitment, people development, budgeting and processes. Many patents and innovations have originated in research units that are now consolidated into OPTAGLIO labs situated in Lochovice, Czech Republic.

About OPTAGLIO

Optaglio is a research organization and the global leader in high-resolution e-beam lithography security holograms. During almost 25 years of our history, we have delivered billions of holograms to governments, financial institutions and other organizations in more than 50 countries around the world.

OPTAGLIO, certified to relevant international standards, operates under strict 24/7 security supervision. Our comprehensive security system covers people, processes, data, and facilities. The company is a member of International Hologram Association (IHMA) through which it registers all its security devices and holograms in the central security register, in London.

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