



COVECTRA
Multi-Layered Brand Protection

StellaGuard™ Security Label
CONVERGING SMART TECHNOLOGIES
TO PROVIDE UNIVERSAL BRAND PROTECTION

PR: Optaglio brings 3D animations between security elements

Optaglio, the global leader in high-resolution security holograms, today announced the latest innovation developed by Optaglio Labs. Its holograms can now include a small object such a little figure, which moves, runs, makes a gesture etc. Optaglio continuously updates its portfolio of visual effects in its holograms to keep an advantage over potential falsifiers. It especially focuses on features that are user attractive, easy to check and impossible or extremely difficult to imitate.

Earlier this year, Optaglio introduced new visual effects, such as emerging illusionary objects. "It is not just about technology. It is also important that designers create a 3D picture that is so interesting that people will like watching it and that this picture will be based on technology features that cannot be imitated. Otherwise, it would happen than an element is produced through very advanced technology and counterfeiting with obsolete machines create something quite similar soon. In such cases technology simply doesn't work against counterfeiting," says Tomas Karenský, senior research manager in Optaglio.

"Combination of elements on a document is another issue. It is relatively easy to apply an almost unlimited number of features. However, it often results in chaos. Policemen are confused what elements should be checked as a priority. From our point of view, a limited number of strong protective elements makes more sense."

In Optaglio, there is also a team of art designers, which has been awarded by international prizes for the creativity.

Optaglio's security elements are created with electron beam lithography with extremely high resolution, more than 2,5 million DPI. Diffraction structures that create specific visual effects are produced by e-beam lithography and mathematic algorithms that cannot be derived from a hologram.

This technology is backed by scientific attitude, mentality, and capacity. Optaglio originated from Czech Academy of Science and research has always been among its top priorities, covering a range of projects from product innovation to a deeper understanding of the underlying material and physical issues. These research activities were consolidated into Optaglio Labs, situated in Lochovice, Czech Republic.

About Optaglio

Optaglio is a research organisation and the global leader in high resolution e-beam lithography security holograms. During almost 25 years of our history, we have delivered hundreds of millions of holograms to governments, financial institutions and other organizations in more than 50 countries around the world. Our unique technology has been broadly recognized as the industry standard for optical security. In 2015, a large scientific centre and production facilities were opened in Lochovice, Czech Republic.

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.

