

Press release

The Nanovista™ success story continues: Launch of new Nanoswitch® design ‘Chameleon’

Following the success of the Nanoswitch® launch with the first design ‘Moonlanding’ in Fort Worth in May, IQ Structures and Hueck Folien are now launching the latest, spectacular design: ‘Chameleon’. The impressive, brightly colored appearance, equipped with the highest security features, is presented exclusively for the first time at the Global Currency Forum in Muscat, Oman.

Spectacular new design: ‘Chameleon’

Meeting a chameleon is an extraordinary experience! In a fraction of a second, they shine in the brightest colors. Inspired by the vibrant atmosphere, colors and patterns of the jungle, the 2nd design of the new state-of-the-art security feature Nanoswitch® represents the symbiosis of creative realisations, inspired by nature.

Nanoswitch® addresses the two most distinctive human senses – sight and touch – and combines color with a 3D object. The visual attraction of the transforming 3D-color object together with the unexpected haptic experience gives Nanoswitch® unique authentication properties. The integration of nanofabricated optical security elements with partial ColorSwitch™ provides Nanoswitch® with extraordinary resistance to counterfeiting and imitation, creating the highest level of banknote protection.

Color Switching Nanostructures

ColorSwitch™ by Hueck Folien offers six vibrant color shift variations that provide an intuitive security feature in movement as design elements are highlighted. The shades are based on high-precision thin-film technology and change color when the banknote is tilted. Nanoengineered optical structures, developed by IQ Structures, provide a distinctive visual appearance and maximum security.

Design cooperation Nanovista™

When the partner of the most secure currencies collaborates with the most innovative technology partner, and 30 years of experience meet advanced nanofabrication, the result is Nanovista™ - unique features and support right from the design stage to the finished banknote. The aim is to create the most advanced and safest banknote solution in the world.

About IQ Structures

IQ Structures is a first-class supplier of anti-counterfeiting protection based on nanostructures. It protects more than a billion documents every year, delivering cutting-edge anti-counterfeiting solutions to protect identity documents, banknotes, and valuables for countries all around the world. The company received several prestigious international awards for excellence and scientific innovation, and is a regular IHMA Excellence in Holography winner. Located within the highly secure premises of a research site in Řež near Prague, Czech Republic, IQ Structures holds all the relevant quality and security standard certifications.

IQ Structures is a member of IQS Group - "Architects in the nanoworld", a scientific, research, and manufacturing organization focused on controlled nanostructures. Backed by 20 years of experience, IQS Group has built extensive research capacities, holds multiple patents, and operates in a range of industries from security to lighting, and from medicine to new construction materials.

About Hueck Folien

One third of the world's currencies already bear the high-security threads and foils of Hueck Folien, including the EURO and the SWISS FRANC. The company is a trusted partner to central banks, who protect their currencies against counterfeiting with Hueck Folien's high-security solutions.

The threads and foils can be efficiently processed by all security paper mills around the world. Hueck Folien has been collaborating with them for more than 30 years.

Since 1970, Hueck Folien stands for stability, quality, and innovative strength. With their passion for excellence, 300 employees are contributing to an ongoing success story. The company develops and manufactures its high-quality product solutions exclusively in the heart of Europe, and is continuously investing in new technologies to achieve environmentally neutral production by 2035.

Nanoswitch™ is a product trademark resulting from a design cooperation between IQ Structures and Hueck Folien. The common cooperation brand is Nanovista™.

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