



Inside this edition

A Moon Landing Launch of Nanoswitch™ 1
 A Message From the Incoming Editor 2
 Holographic Sustainable Innovations Showcase at LuxePack 2
 New Authentication Contract for De La Rue; Sale on the Cards 3
 Meta Materials Layoff 80% Workforce, Seeks New Capital or Buyer 3
 Snapshot CHIMERA™ Holographic Portraits 4
 Texas Hospital First to Use Holobox for Connecting Patients 5
 Holographic Displays Offer a Glimpse of How We Will See the World 5
 OVDs Shine at Global Forums 6
 Reconnaissance Launches Reference Glossary for Anticounterfeiting Industry 7
 Kerala Introduces Hologram for Certificate Attestation 8

A Moon Landing Launch of Nanoswitch™

On 20 July 1969, more than 500 million people worldwide watched the Moon landing, the ‘great leap for mankind’ – a technical feat that opened new horizons for humanity.

55 years later, IQ Structures (IQS) and Hueck Folien have paid homage to this historic event with a unique design to ring in a new era of banknote security stripe solutions – Nanoswitch™, which was launched at the Banknote Conference in Fort Worth, Texas in May.



In a highly entertaining presentation, against a backdrop of the iconic David Bowie soundtrack of ‘Ground Control to Major Tom’, the presentation was given by Michael Ritschewald, Business Development Manager at Hueck Folien, and Robert Dvořák, Managing Director of IQS.

The two companies also announced Nanovista™, the brand name for a portfolio of high security features which will be launched by IQS and Hueck Folien, Nanoswitch being the first.

According to both companies, human senses have always been the elementary tools for our perception of reality. The more senses we

involve, the more intense the perception. Nanoswitch addresses the two most distinctive ones – sight and touch – combining colour with a 3D object. The visual attraction of the transforming 3D-colour object, together with the unexpected haptic experience, gives Nanoswitch unique authentication properties.

‘The authentication is entertaining, fast and unambiguous, with great potential for attractive designs’, said Robert Dvořák. ‘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’.

ColorSwitch by Hueck Folien offers six vibrant colour 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 colour when the banknote is tilted. Nanoengineered optical structures, developed by IQ Structures, provide a distinctive visual appearance and maximum security.

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, say IQS and Hueck Folien – with unique features and support right from the design stage to the finished banknote.

