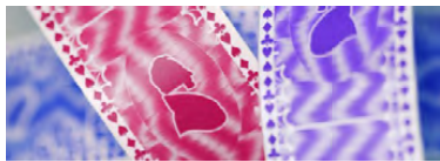


# De La Rue Launches NEXUS™ – a Completely New Type of Security Feature

De La Rue's new embedded stripe product category NEXUS™ has just launched. On 18 December the Qatar Central Bank became the first issuing authority to issue this embedded stripe, on the 500 Qatar riyal of the new 5th Series of banknotes (see page 15).



The 18mm-wide embedded stripe provides a large micro-optics area that is fully visible from the top to the bottom of the banknote. NEXUS is fully embedded in the paper during the paper making stage and so possesses all the security of a typical thread. However, unlike a standard thread, there are no bridges and so the effects are fully visible from the top to the bottom of the note and not restricted to viewing within windows.

The width of NEXUS is much greater than any typical thread and, when combined with the full visibility across the height of a note, it means NEXUS has the largest area for authentication of any embedded paper security feature.

The advanced manufacturing process used to incorporate NEXUS into the paper produces a substrate with an extremely flat ream shape and no 'wander' of the stripe. The lack of wander means that the stripe is consistently positioned in the banknote design and this unlocks new design possibilities; a signature can be printed much closer to this embedded stripe than it can be for a standard thread.

The process used for NEXUS was originally pioneered for De La Rue's Optiks™, which won the Queen's Award for Innovation in 2013. Optiks™ has previously circulated in Qatar, on the 4th Series of banknotes, as well as across Northern Europe, the CIS region, Asia Pacific and the Caribbean. The durability of this type of feature is therefore

well proven. With NEXUS™ there is now the possibility of dynamic colours, sharp imagery and engaging micro-optic effects.

Dr Rob Whiteman, Head of Security Features Development, De La Rue Currency commented: 'strong public recognition is enabled by the large micro-optic area. This feature is integrated into the paper during the paper manufacturing process so it has the additional security associated with a fully embedded paper security feature.'

NEXUS is currently available in blue, magenta and purple colours and is targeted where central banks and state printing works need a high impact premium security feature.