



HelioNOTE

HelioID

HelioMARK

HelioSEC

HelioJET

COLOUR SHIFT INKS FOR BANKNOTES

Inspiring Confidence.



LUMINESCENCE

Sun Chemical Security

a member of the DIC group

 **DIC**
Color & Comfort

COLOUR SHIFTING INKS

Colour Shifting Inks, also known as Optically Variable Inks, are used on billions of banknotes around the world. Luminescence Sun Chemical Security offers two types of Colour Shift Inks; firstly we offer our single-tone inks that show a clear pearlescent effect and that are used by paper mills to print a continuous stripe design on the substrate. Secondly we offer our Hi-Sec Colour Shift Inks which are dedicated for use on banknotes and are available in a wide range of colour combinations. These inks display two distinct colours depending on the angle the note is viewed at and therefore offers an easy and effective means of authentication to the general public

To have the best effect Colour Shifting Inks should be printed in large, bold patterns or letters. You will often see the value of the note printed in these inks. Fine intricate designs are more difficult to print and make the optical effect less dramatic.

These inks can be applied in the Intaglio or Screen printing process and formulated as water based, solvent based or UV cured inks.

