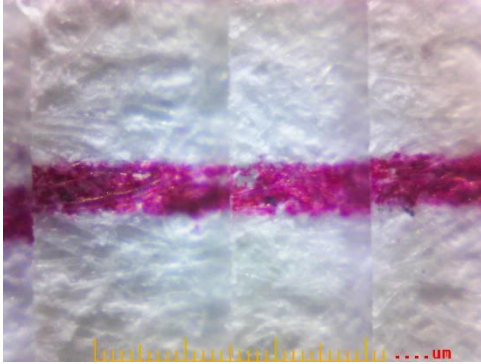
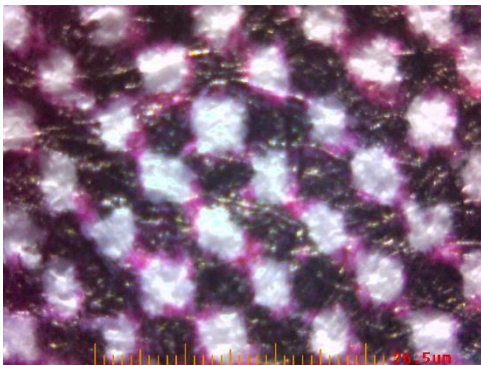


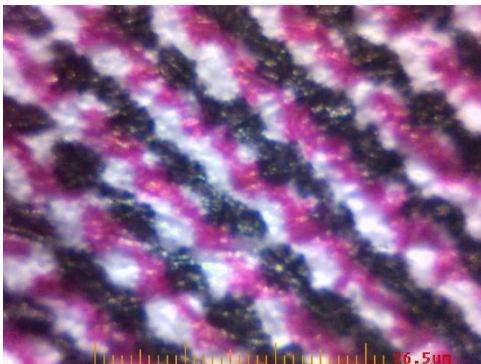
Color FLASHING



All these photos are at 40x magnification.
They are from the Duotone – Screen Angle lab project.
They were printed on separate passes on different presses.
This photo shows that both the infeed and side guide register were very good, nearly exactly on top of each other.



This photo shows both ink colors, black and magenta, are in register, dot on top of dot.
The space between dots is open, showing white paper.



This photo shows slight mis-register.
The dots are next to each other.
Since less white paper space is showing, the image will appear a little darker, and a little redder.
The screen ruling frequency is 120 lines per inch (lpi).
That means the rows repeat every 0.008”.



This photo shows mis-register, of about 0.004”.
The dots are midway between rows, in the middle gap.
Since almost no white paper is showing, the image will appear much darker, and much redder.
Since mis-register is random, consecutive sheets can show extreme color variation! One light, the very next sheet, dark!
This is called “**Color FLASHING.**”
Using a 30 degree screen angle rotation for the color ink will eliminate color flashing, and create a rosette pattern, but not a moire pattern.