

TROUBLESHOOTING FOR SHEETFED AND WEB PRESSES

MOIRÉ PATTERN: Screens printed on top of each other do not look smooth and a grid-type pattern appears. Flesh tones and certain vignettes are prone to this. Some moirés can be avoided by changing all screen angles +7.5 degrees so that no screen angle is at the same angle as the cylinder axis.

CAUSES

1. Screen angles too close together.
2. Dot shape – square or round dot being used.
3. Loose blanket.
4. Paper unstable.

REMEDIES

1. For flesh tones, switch black and magenta screen angles. Magenta from 75° to 45° and vice versa for the black.
2. Square and round dots meet on all 4 sides at the same time around 50%. Change to an elliptical dot for smoother transition, as contact begins at about 50% in the horizontal direction and 75% in the vertical direction.
3. Check blankets for proper torque.
4. Select a better stock.

