

TROUBLESHOOTING FOR WEB PRESSES

MISREGISTER: In the press-running direction and side to side, after the press has been set for proper registration, trouble arises when some condition prevents consistently good register.

CAUSES

1. One or more plates are cocked or are not properly set on their cylinder.
2. One or more plates are printing longer or shorter than the others.
3. Uneven blanket packing. If one of the printing units is not pulling the web fast enough, web tension between it and the following unit will build up until the web snaps back, causing misregister.
4. Web tension is too low – the higher the tension, the better the register.
5. Web press tension changes during run because infeed tension changes.
6. Ink tack at the point of impression is too high causing the web to follow the blanket more than normal. This momentarily increases the tension in localized areas and, as a result, can affect running register.
7. Paper pile on blanket changes blanket diameter.

REMEDIES

1. Plates should be handled more carefully on bending jig.
2. Transfer the packing from blanket to plate to shorten the print, or from plate to blanket to lengthen the print. Maintain good tension on the web.
3. Adjust blanket packing until the draws between the units are equal.
4. Increase the web tension in the infeed section of the press.
5. Equip presses with a constant tension infeed.
6. Increase web tension. Reduce press speed. Consult ink manufacturer for tack reduction of ink causing problem.
7. Wash blanket more frequently. Change to paper that is more moisture-resistant.

