



2016 ING Conference

Plate Technology Panel

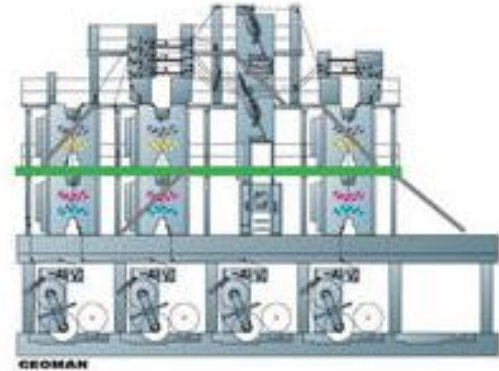


Wake Forest, NC and Grand Rapids, MI

Advancing the future of no-process technology since 1998

The 'New' Procedures

- Platesetter setups are dependent upon what plate was used prior to converting to the DoP plate. Liberty images at 130mj – 135mj (135mj for long Current operating DoP speeds in the market to range from 120mj to as high as 170mj
- There is a difference between chemical/mechanical/physical DoP coating removal



- All DOP plates have different levels of solubility in ink and/or water.
- These differences are generally by design from each plate manufacturer.
- Once the plate is developed, it is treated in a like fashion to a legacy wet plate.



Shaftless Web Offset Press, Color Top 7500CDH

The Liberty NXP process is a mechanical process.

- Apply water/ink in the proper sequence for quick development.
- The top coat is softened quickly by the fountain solution.
- Liberty NXP requires the tack of the ink to pull the coating out of the non-image areas during the initial make-ready.



The Liberty NXP process is a mechanical process.

- Apply water/ink in the proper sequence for quick development.
- The top coat is softened quickly by the fountain solution.
- Liberty NXP requires the tack of the ink to pull the coating out of the non-image areas during the initial make-ready.
- There is then a transfer of the coating to the blanket (the charge state)
- The coating is carried out on the newsprint waste stream. This process prevents the non-image area effluent from contaminating the fountain solution and ink train.

Latent Image

Readable by the naked eye

Is there a plate reader available to read the plate after exposure, but prior to press?

- Reading conventional angles, the dot in prepress is dependent upon hand rubbing the plate with a 70% IPA. An SLP Tech can walk you thru that process.
- *X-rite Plate Scope XRD60 This device has been discontinued.*
- Techkon has the SpectroPlate All-Vision plate reader.
- NXP Tag-It from SLP/Prestelignce jets the furniture on the back of the plate
- DoP can be used with optical Punch Benders. This may require a camera upgrade – based upon the model.

**No-slip-sheet printing plates are
being used everyday**

**hybrid printers in the USA with single-
site volumes from 20,000 ft² to over
2 million ft².**

Liberty NXP is successfully imaging on virtually every thermal platesetter in the market including the new CRON-ECRM TP36.

Transition Advice

- Follow the specified start up sequence
- Don't flood the plate with water
 - Turn water down as you optimize
- Don't expose the plate to direct/indirect sunlight
 - Review your roller, water, blanket, PM procedures

• Peer Opinions



See Ted McGrew or Mike Phillips for a copy of

Digital First Media
Expands its
Environmental Friendly
Focus by Adopting
No-Process Plates



A white paper
exploring the benefits of
Liberty NXP no-process
printing plates

25 ways

to improve your
print products in

2016

Thank you.

