INJECTOR INK METERING

Erik, you have asked this question before, and received no replies. Before I continue with this topic – *I have no practical experience/production knowledge of Injector Ink Metering*.

In the main presses supplied with Injection Ink Metering are in general operated by operatives with a poor understanding regarding the basics of Lithographic Printing.

SALIENT POINTS

- Injection (Pump) Metering is just one of three methods of metering a precise amount of a non-Newtonian fluid - e.g. Lithographic Printing Ink.
- The Ink applied by any of the various metering systems, become very different in its properties via the Mechanics of Fluid Transfer progression within the roller train.
- The most fundamental attribute change is when this newly metered ink becomes an Emulsion by the addition of the chemical enriched dampening fluid.
- Most Ink Metering Systems are not without drawbacks.
- Of necessity the use of “Low Viscosity” inks contribute towards “Dot Gain”
- Ink Metering is the first step forward in the Mechanics of Fluid Transfer, but more important attributes are needed for the successful transfer of “Ink” to the substrate.