

## Robust Solid Ink

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Solid ink is a revolutionary technology. These inks are jetted as a liquid at a high temperature and printed directly to a substrate without drying, as is required, for example with aqueous and solvent based inks. The results are sharper image quality and less waste. However, as Xerox strives to expand solid ink's application space, modifications are required to its properties. This presentation will cover the progress made in the Robust Solid Ink project. It will outline the positive qualities and negative qualities of each approach and the discoveries that led to the changes. Analyzing the thermal and mechanical properties of the inks helps to quantify properties and identify trends in chemical structure. The main focus will be on the newest ink and improvements that were made, specifically with respect to stability, cost, and robustness.