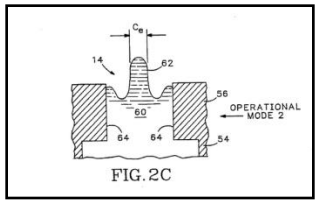

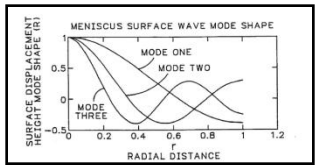

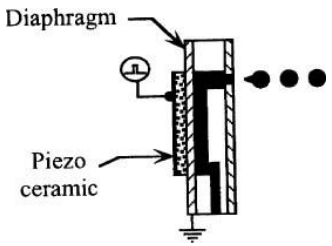

Tektronix Inc.
Phaser 350/360 High Speed Office Printing

Key Goals and Accomplishments

Continuous improvement in key technology and mainstream office products.

Variable resolution and grey-scale printing products (dot size modulation).

Approach and Key Tools

Continuous Optimization with Computer Simulations and Experimental DOE.

Results and Recognition

Howard Vollum Award for Technical Excellence.

Continuous improvement in key technology and mainstream office products.

Created IP, technology and publications supporting high speed partnerships (see next project).

Recent Progress in Ink Jet Technologies II, Eric Hanson; Series Editor: Reiner Eschbach 1999:

Ink Manifold Design of Phase Change Piezoelectric Ink Jets
Sharon S. Berger, Ronald F. Burr, James D. Padgett and David A. Tence; Tektronix, Inc., Color Printing and Imaging Division *pages 163-168.*

Automated Optimization Techniques for Phase Change Piezoelectric Ink Jet Performance Enhancement
Paul A. Gilmore, Sharon S. Berger*, Ronald F. Burr*, and John A. Burns#; National Science Foundation *Color Printing and Imaging Division, Tektronix, Inc. #Airforce Center for Optimal Design and Control, Virginia Polytechnical Institute and State University *pages 169-174.*

Multiple Dot Size Fluidics for Phase Change Piezoelectric Ink Jets
Ronald F. Burr, David A. Tence, and Sharon S. Berger; Color Printing and Imaging Division, Tektronix, Inc. *pages 192-198.*