



## Tektronix Inc.

# Phaser 300X Graphics Arts Imaging & Printing

### Key Goals and Accomplishments

Higher Throughput

High Resolution for Graphic Arts Image Quality

High Up-Time and Reliability

Higher Packing Density without Crosstalk

### Approach and Key Tools

Concept: Tapered Manifold Wave Dispersing; Meniscus Controlled Vents

Improved PZT Performance (Speed & Packing)

Acoustic Simulation (Manifold Standing Waves) and Lumped Parameter PZT Simulation

### Results and Recognition

Tektronix Presidents Award for Technical Excellence.

Provided both enhanced image quality and speed; lowered cost of ownership due to more efficient purging.

Enabled Large Format Printing (Speed & Reliability) Product to be Developed with Key Strategic Partner, Medial Imaging (X-Ray) and Industrial Printing.

Patented: Multiple-orifice drop-on-demand ink jet print head having improved purging and jetting performance Patent 5455615 Issued on [October 3, 1995](#).