

Ink Development and Process Optimization for Your Application

Integrity's expert staff will work with you to assess the feasibility of inkjet for your application. We will assist in fluid/ink selection and development, and provide lab-based process optimization. Together we can define a path forward toward system development and integration.

Application Assessment

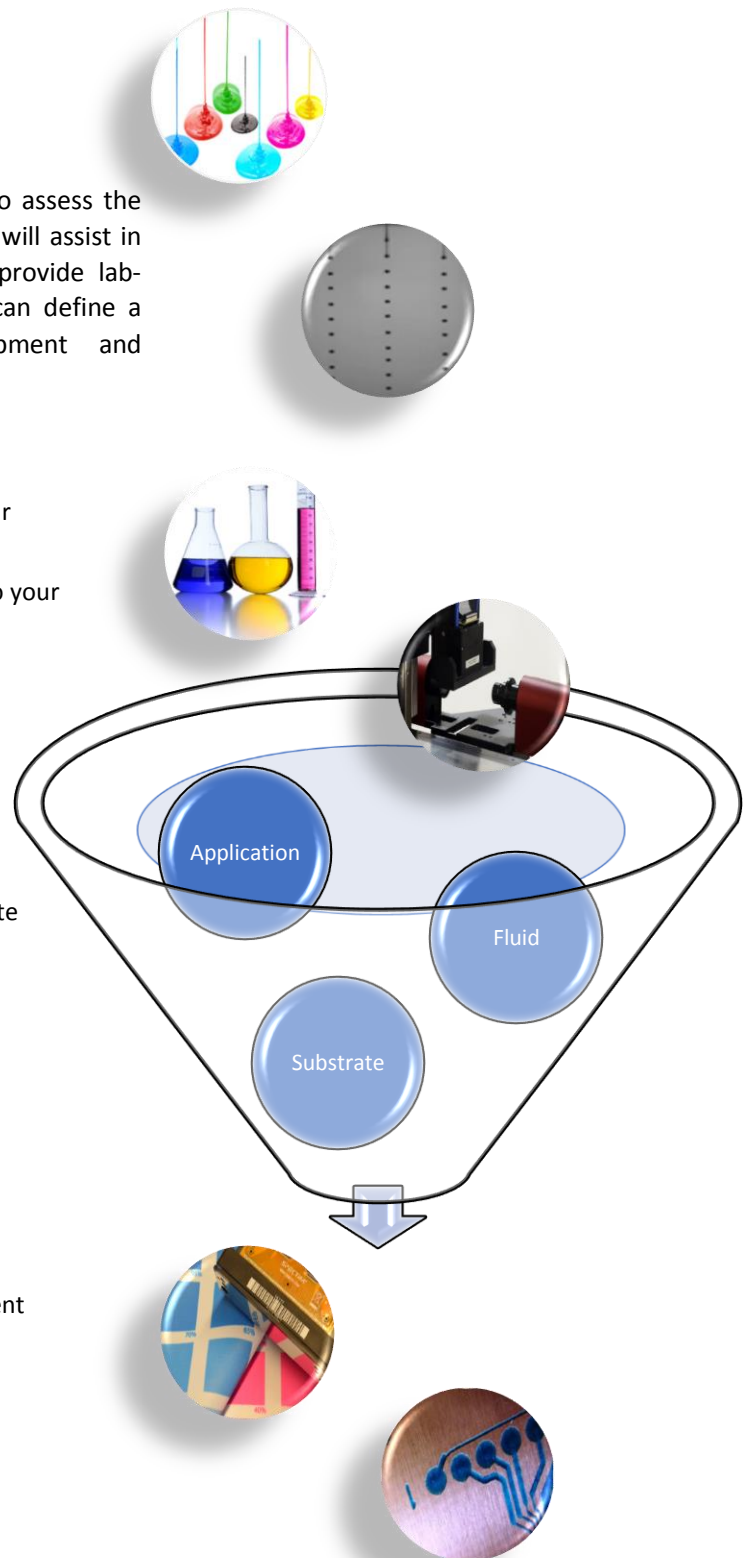
- ✓ Assess viability of inkjet as a solution for your application
- ✓ Define key parameters specifically related to your application
- ✓ Develop roadmap for fluid and process assessment

Fluid and Print Optimization

- ✓ Select / develop optimal fluid/ink chemistry
- ✓ Determine jetting parameters for appropriate and controlled drop formation
- ✓ Optimize print process
- ✓ Provide print samples on target substrates

Development Path Proposal

- ✓ Propose system architecture
- ✓ Identify development challenges
- ✓ Assist in structuring budgets and development timelines



Integrity's Comprehensive Inkjet R&D Consulting

Our Expertise

- ✓ Decades of combined experience in challenging inkjet applications and environments means we have the knowledge to support your success
- ✓ We develop innovative solutions that do the job well, and are built to withstand the rigors of industrial environments
- ✓ Applications range from food decoration to bioprinting, printed electronics, and textiles...single or multi-pass, single head or multi-head, high-speed marking to extremely mass-and-coverage sensitive... and we've used inkjet on a wide variety of substrates with both flat and curved surface topographies.

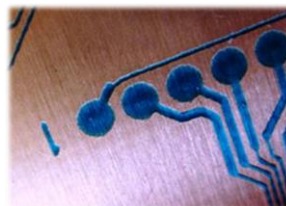
Integrity's R&D Equipment and Techniques Include:

- DMP 2850 (Dimatix material deposition printer) with integrated LED UV Curing option
- Integrity's Universal Print Controller and Test Bed Platform / Transport
- All industrial DOD Piezo printheads; Dimatix (including Samba), Kyocera, Konica Minolta, Ricoh, Seiko, Xaar, Xerox, and others
- Viscometry / Rheology
- Microscopy
- Surface preparation – plasma, flame, primers...
- Curing and post treatment platforms – UV, UV LED, In-line IR, sintering
- Surface Tension and Contact Angle
- Thermal Transfer under and over printing

\$1200/person-day standard consulting fee includes*

- ✓ Integrity's expertise, experience and focused attention
- ✓ Integrity's R&D equipment and lab printers
- ✓ DMP printheads
- ✓ Basic lab materials

**Custom fixturing and purchased fluids/chemistry not included. Work extending beyond initial scope to be negotiated.*



Integrity also offers full industrial inkjet system engineering and integration services as well as private R&D lab access and inkjet training. All of our offerings are customized to the needs of each team and application.

Please contact us for more information.

Integrity Industrial Inkjet Integration

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