

Xaar printhead portfolio

Xaar 128

Nozzle density: 185 npi
Drop volume^a: 40 or 80 pL
Fluid types: ●●
Maximum greyscale levels: 2

Xaar 501

Nozzle density: 180 npi
Drop volume^a: 8 to 40 pL
Fluid types: ●●
Maximum greyscale levels: 6

Xaar 502

Nozzle density: 180 npi
Drop volume^a: 15 to 75 pL
Fluid types: ●●
Maximum greyscale levels: 6^a

Xaar 1003

Nozzle density: 360 npi
Drop volume^a: GS6 - 6 to 42 pL,
GS12 - 12 to 84 pL, GS40 - 40 to 160 pL
Fluid types: ●●●●
Maximum greyscale levels: 5^b, 8

Xaar 2001+

Nozzle density: Single colour - 720 npi,
Dual colour - 360 npi
Drop volume^a: GS6 - 6 to 42 pL,
GS12 - 12 to 84 pL, GS40 - 40 to 160 pL
Fluid types: ●●●●
Maximum greyscale levels: 5^b, 8

Xaar 1003/2001+ with High Laydown Technology

Nozzle density: 360 npi / 720 npi
Drop volume^a: 75 pL / 80 pL
Fluid types: ●●●
Maximum greyscale levels: 2

Xaar 1003 AMp

Nozzle density: 360 npi
Drop volume^a: 1 to 3 pL
Fluid types: ●●●
Maximum greyscale levels: 8

Xaar 1003 AMx

Nozzle density: 360 npi
Drop volume^a: 6 to 42 pL
Fluid types: ●●●
Maximum greyscale levels: 6

Xaar 1201

Nozzle density: Single and dual colour -
600 npi, 4 colour - 300 npi
Drop volume^a: 2.5 pL
Fluid types: ●●●●
Maximum greyscale levels: 8

Xaar 5501

Nozzle density: 1200 npi
Drop volume^a: 5 pL
Fluid types: ●
Maximum greyscale levels: -

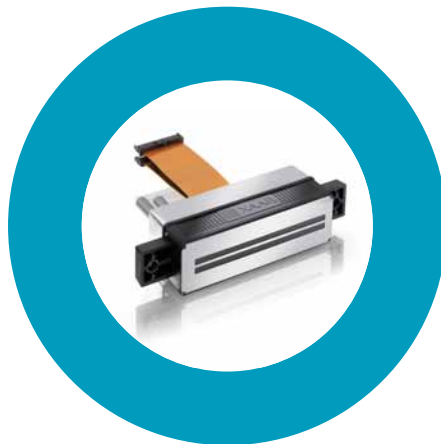
Xaar 5601

Nozzle density: Single colour - 1200 npi,
Dual colour - 600 npi
Drop volume^a: 3 to 21 pL
Fluid types: ●●
Maximum greyscale levels: 8

^a Dependent upon printhead model and ink type
^b GS40 variant only

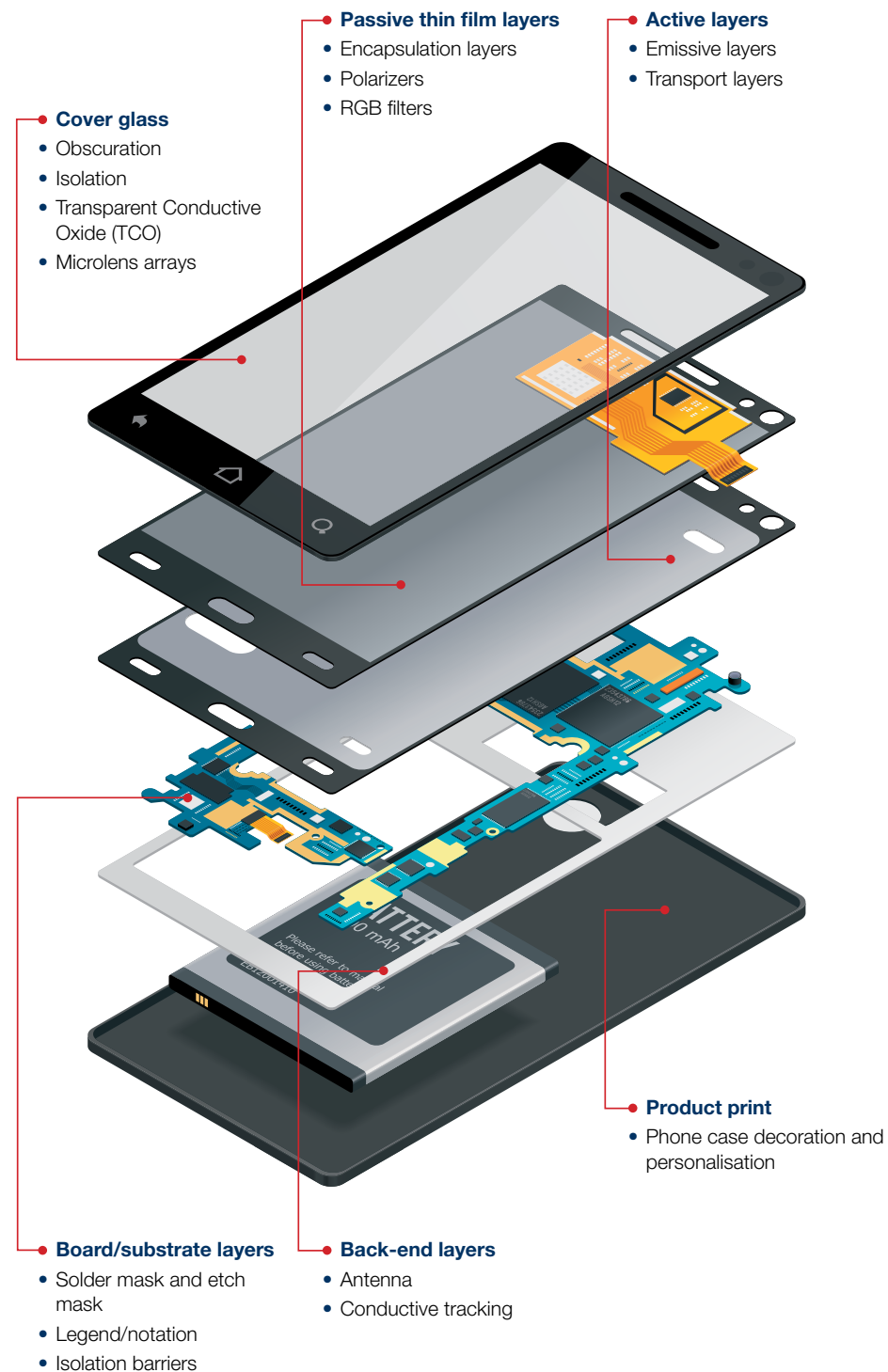
Fluid type key:

- Aqueous
- Solvent
- Oil
- Eco-solvent
- UV
- Dye sublimation
- Soluble salts



Digital inkjet deposition for displays

Jettable layers using Xaar printheads



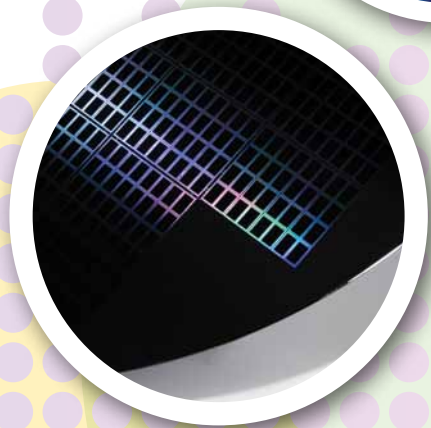
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Get ahead and achieve more in functional fluid applications with a world leader in inkjet technology



Industrial Inkjet – developing deposition solutions for your Functional Fluid application



1

Fluid evaluation

- Complex rheology testing
- Ink development guidance
- Fluid physicals measurement
- Materials compatibility testing

2

Jetting optimisation

- Printhead waveform configuration
- Application and fluid optimisation
- In-flight droplet visualisation

3

Sample production

- Pre and post jetting treatments
- Measurement of sample properties
- Drop deposition configuration options

4

Applications development

- Provision of Xaar Inkjet Development System
- Laboratory scale integration and testing support
- Education and training

5

Continued support

- Application improvements
- Product support and advice
- Application evaluation and testing
- Future development and enhancement support

Get ahead

With access to innovative technology and inkjet expertise from the leaders for over 25 years, get ahead of the competition and achieve more with Xaar.

Save development time and reduce costs

- No early stage capital investment
- No large fluid volumes at the outset
- Very early fluid verification
- Application samples for review and test
- Easily scalable results.

Improve application performance

- Optimised waveforms
- Consultancy and advice from inkjet specialists
- Take control of long term development
- Fast response to issues, application improvements and new technologies.