



MEYER BURGER

Xaar printhead with ink recirculation

For printing particle inks on PiXDRO inkjet printers

In partnership with Xaar, the PiXDRO LP50 offers an R&D inkjet printing platform that enables fluid developers and OEMs working in a variety of applications to incorporate Xaar's piezo inkjet technology. The LP50 is compatible with a range of Xaar printheads, electronics and ink delivery systems. This unique combination of technologies from Meyer Burger and Xaar delivers the precise fluid control essential for functional printing applications by achieving highly accurate drop placement, consistent drop volume and high frequency jetting with variable drop size capability.

Whether the aim is to validate fluids in a lab environment or to scale to full manufacturing production, the LP50 platform is an accurate, flexible and easy-to-use inkjet printing solution suitable for a wide range of applications such as printed electronics, photovoltaics, OLEDs and bio-medical. As the settings are transferable to PiXDRO JETx production equipment, the solution is scalable.

Key advantages

- Suitable for heavily filled nanoparticle inks that need a recirculating ink supply.
- Completely integrated solution that can be controlled from the printer's user interface.
- Ink recirculation system designed for small ink volumes.
- Standalone recirculation system allows continuous ink flow, also when not printing.
- Accurate ink pressure control.



Main features

- Module contains a printhead assembly, drive electronics, user interface software and Xaar Midas recirculating ink supply system.
- Compatible with Xaar 1003 printhead (other printheads optionally upon request).
- Printhead heating with temperature control between 20 - 40 °C.
- Compatible with PiXDRO LP50 and IP410 systems.
- Existing systems may be upgraded at Meyer Burger factory.

