The VIAjet L-Series Active Bulk Ink System (ABIS) features compact, high-performance, high-resolution printing. Providing increased productivity and decreased cost compared to single-use cartridges, ABIS is a leap forward in bulk ink delivery technology, setting a new standard in reliability and quality.

ABIS’s unique auto-calibration and onboard sensors provide flexibility of setup, and ensure consistent high-performance printing. The automatically switching dual ink supply also allows for uninterrupted printing while changing the bulk ink Bag-in-Box. ABIS works with all L-Series printheads for both new and existing installations. Powered by the MPERIA® controller to manage one or multiple systems, ABIS provides a visual setup wizard for easy step-by-step installation and configuration.

**VIAjet L-Series Active Bulk Ink System (ABIS)**

- **Increase Uptime**: Up to 30 times longer cartridge life than single-use systems
- **Reduced Cost Per Mark**: Up to 8 times less expensive than single-use ink cartridges
- **Flexible and Dependable**: Built-in intelligence ensures problem-free setup and operation for a range of applications and environments

![Diagram of VIAjet L-Series Active Bulk Ink System (ABIS)]
ABIS Key Features and Specifications

Overall System
+ Compatible with all L-Series printheads
+ Onboard CPU and accelerometer adjusts to installation needs, changing applications and environments
+ Dual ink supply (standard) provides hot swap bulk ink change without interruption
+ Up to four printheads can be installed at various elevations and orientation due to automatic height calibration
+ MPERIA® Software set up wizard contains animated step-by-step installation and configuration instructions

Inks
+ Bulk Bag-in-Box ink supply available in 500ml and 1L bags
+ Ink Types: Multi-color water-based inks for porous substrate and black inks for non-porous substrates
+ Cartridge Types: Quick Disconnect (QD)

Control Module
+ Direct mounting to L-Link for compact installation
+ Redundant cartridge sensors and valves
+ Ethernet communication with built in two-port ethernet switch for direct connection to L-Series printhead or L-Link
+ Control up to four cartridges per ABIS unit
+ Easy, one button system priming
+ Status log reporting (via Ethernet) to MPERIA® for easy diagnostics
+ Alarm light compatible

Cartridge Sensor Module
+ Sensor module can be mounted up to 2m from the control module
+ Easy, one button cartridge priming
+ Real-time communication to the control module
+ Easy mounting to any L-Series printhead
+ Communication and fluid lines pre-bundled

<table>
<thead>
<tr>
<th>OPERATING TEMPERATURE AND HUMIDITY</th>
<th>ELECTRICAL</th>
<th>PROTECTION</th>
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</thead>
<tbody>
<tr>
<td>Ink dependent</td>
<td>100-240 VAC</td>
<td>IP30</td>
</tr>
<tr>
<td>Approximately 50–100°F (10–40°C)</td>
<td>50/60Hz</td>
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<tr>
<td>10–95% RH (noncondensing) for water-based inks</td>
<td>0.5-1A via adapter or 24VDC 90W</td>
<td></td>
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</tbody>
</table>

(1) Requires L-Link S/N 0490 and greater
(2) Recommended cartridge life is one month after first insertion

Unique Cost Saving Features

+ Grayscaleing of individual objects and TrueType, ink-saving fonts with individual settings for character width, letter and line spacing
+ 1–2 liters of ink per QD bulk ink cartridge (application dependent) compared to 400 ml for other TIJ systems
+ High-contrast inks requiring less volume for the same readability compared to other TIJ inks
About Us

We are a global provider of marking and coding solutions designed to perform their best on high-demand, high-capacity productions lines, where reliability is a must. We are a true partner, customizing our solutions to your requirements and building with high-quality materials to provide many years of service.

Expertise, Applied

We make printing the most reliable step in your production line by leading in three critical areas:

1. **Innovation.**
   We maintain a technical advantage over competitors, investing in the continuous improvement of our marking solutions.

2. **Flexibility.**
   No matter what you’re trying to mark, no matter how your production lines are setup, we’ll make it happen.

3. **Know-How.**
   We understand your industry and speak your language, building solutions that fit your world.