

# FLEXJET™ 600

Digital Inkjet Printing with  
Drop-on-Demand HP Technology



## Cost Efficient Digital Technology for a Wide Spectrum of Applications

Based on more than 15 years experience in inkjet technology Atlantic Zeiser integrates the FLEXJET™ 600 into high performance printing systems consisting of inkjet, in-house developed and manufactured inks (UV), curing systems if required and controller platform.

FLEXJET™ 600 provides most flexibility for high speed industrial applications and produces high quality print almost anywhere and on any material. As a result of its space efficient dimensions and scalability, there are almost no limitations on its applicability. From a simple single pen system to a complex multiple imager stitched solution with camera verification and other advanced features – Atlantic Zeiser posses right solution for your specific application.

Atlantic Zeiser offers world wide support for their systems. Our main strength is the ability to integrate different technologies and provide customized solutions. Inkjet, inks, cameras, electronics, software or mechanical components – our development engineers dispose of knowledge and experience to provide the best possible solution.

<b>Technology Advantages</b>	<ul style="list-style-type: none"><li>• Low Cost</li><li>• High Resolution</li><li>• Easy to Use</li><li>• No Maintenance</li><li>• Sturdy Robust Hardware</li><li>• Variety of Configurations</li><li>• Choice of Implementations</li><li>• Great Selection of Inks</li></ul>
<b>Products</b>	<ul style="list-style-type: none"><li>• Tickets</li><li>• Forms</li><li>• Labels</li><li>• Envelopes</li><li>• Cards</li></ul>
<b>Applications</b>	<ul style="list-style-type: none"><li>• Security Printing</li><li>• Packaging</li><li>• Card Personalization</li><li>• Web</li></ul>
<b>Numbering &amp; Personalization</b>	<ul style="list-style-type: none"><li>• Bar Coding</li><li>• Numbering</li><li>• Security Marks</li><li>• Personalization</li><li>• Bitmaps - Graphics</li></ul>

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**Print Head**

The modular design of the FLEXJET™ 600 allows 38.1 mm (1.5") to be combined on rails for wide format printing, for seamless imaging of variable and fixed text, bar code symbols and bitmaps with stitching across all pens in all FLEXJET™ 600.

Specially developed inks for this system guarantee a high print quality on various substrates and an excellent contrast – especially important for high resolution bar codes.

**Printable Items**

- Windows Unicode languages
- Dynamic and fixed text
- Dynamic and fixed bitmaps
- Integrated bar code support for over 80 bar codes (1D and 2D) with complete control over ratios, bar width and other aspects to provide high quality codes on any media
- Time/Date Stamp
- Other special items
- Bi-directional printing
- 1° increment image rotation
- Spot color printing



**Resolution**

600 x 600 dpi resolution at a production speed of 42 m (137.7 ft) per minute. Other resolutions and production speeds up to 168 m (550.0 ft) per minute are possible.

**Controller and Software**

Atlantic Zeiser can provide user-friendly Windows XP based controller with flexible standard software suitable for most applications. Special applications may require custom made software.

**Ink Choices**

Atlantic Zeiser offers a wide variety of inks, both in individual cartridge or bulk supply form.

- Pigment based inks
- Die based inks
- Invisible inks
- Indelible inks
- Fluorescent inks
- UV curable inks
- Spot and PMS color inks
- Inks with fast dry additives
- Inks with slow dry additives
- Customized inks

**Technical Specifications – Physical/Electrical – FLEXJET™ 600 module with 38.1 mm (1.5 inch) print width**

Resolution / max. Production Speed	600 x 600 dpi	at	42 m/min	137.7 ft/min
	600 x 300 dpi	at	84 m/min	275.0 ft/min
	600 x 200 dpi	at	126 m/min	412.4 ft/min
	600 x 150 dpi	at	168 m/min	550.0 ft/min

Dimensions W x H x D	89 x 127 x 133 mm	3.5 x 5 x 5.25 inch
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**Technical Specifications – Pen Controls**

Pulse Warming	Keeps ink at optimal print temperature
Pen Calibration	Fine tuning of voltage and pulse length for optimal thermal action on every cartridge
Sparse Spit	Keeps unused jets open by printing all jets in a random pattern
Independent Power	Automatic "power down" of any unused pen stall

**Technical Specifications – Single Pen Option**

Single cartridge that can be used in a variety of ways	<ul style="list-style-type: none"> <li>• For expansion of 38.1 mm (1.5 inch) module to 50.8 mm (2.0 inch) print width</li> <li>• Inline (behind) any of the three ink cartridges of the module for a second color or higher speeds</li> <li>• Removed from the 38.1 mm (1.5 inch) module and placed anywhere within 457.2 mm (18 inch) for a remote print area</li> <li>• Dimensions: Adds 31.8 mm (1.25 inch) W and 25.4 mm (1 inch) D</li> <li>• Weight: Add .5 lbs. (0.23 kg)</li> <li>• Power: No additional power is required</li> </ul>
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