

Setting a New Standard in UV LED Pinning

Accelerate® PIN-100

To achieve high quality label prints, the Accelerate® PIN-100 is an essential component for ink jet, single-pass and narrow web digital printing applications.



Small Form Factor

Easy to Integrate

Variable Power Adjustment

> 5000 Hour Operational Hours

Operational Hours Monitoring

Instant On / Off

And More...



LUMEN DYNAMICS
PUTTING YOU IN CONTROL

Accelerate®
Print Quality • In Control

Introducing

The Exceleerate® PIN-100



An Innovative Solution for High Quality, Single-Pass Label Printing

The scientists and engineers at Lumen Dynamics working in conjunction with leading integrators, ink formulators and ink jet head manufacturers have developed a new approach to ink jet, single-pass UV ink pinning that brings high quality, high speed, affordable results to the medium-to-short run digital label printing business.



High Speed, High Quality Labels

Printing machines incorporating Exceleerate® PIN-100 UV pinning are designed to produce high quality printed labels found on beverages, cosmetics, pharmaceuticals and other consumer products.

Maximizing Image Quality

UV pinning maximizes image integrity, minimizing the unwanted merging of colors and providing the highest possible image quality, edge sharpness, detail, and range and sharpness of color rendering. Pinning also helps the cure efficiency of black ink – a traditional challenge in UV cure printing.

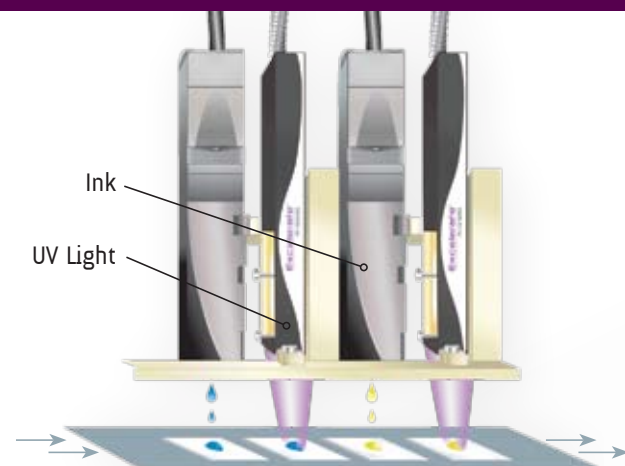
The best form factor for the narrow label digital printing industry

Applicable with Wide Range of Substrates

UV pinning avoids the need for more expensive pre-treated substrates. The Exceleerate® PIN-100 can be used with a wide variety of print media from conventional paper substrates to poly-laminates to metallised film.

Future single-pass digital printing machines will need lower power UV systems for pinning that emit little heat, be lightweight, small size and low cost.

UV Print Industry Expert



The Advantages of Pinning

UV pinning immediately after jetting enhances the management of drop size and image integrity, minimizing the unwanted mixing of drops and providing the highest possible image quality and the sharpest color rendering. Final curing can be moved to later in the print process, helping to minimize heating effects and avoid the unintended curing of UV inks onto the ink jet heads.

FEATURES	BENEFITS
Small Form Factor	Fits between ink jet heads for a smaller printing engine
PC Software Interface	Allows remote computer to control power levels to the LED Heads via a single control system and ease of integration
Optional Wavelengths	Accommodates different ink formulations
Ink Jet Head Compatibility	Shorter development time and minimal integration cost/efforts
> 5,000 Hour LED Life	Lower maintenance cost and lower consumables cost
Tracking Head Hours	Ability to schedule system maintenance more efficiently
Air-Cooled	Simpler to integrate vs. water cooled system and simplifies maintenance requirements
12 UV LED Modules	Supports wide range of multi-color narrow web digital print applications



Unmatched In the Narrow Web Digital Print Industry

Combining several distinct design and technology advantages, the Excelerate® PIN-100 meets and exceeds all of the requirements of current UV pinning needs in a single system.

GENERAL SPECIFICATIONS

UV Source	365nm or 400nm UV LEDs
UV LED Module Operational Life	> 5,000 Hours
Panel Controls	Power On/Off, Manual/Remote, Grouping Orientation (2, 3, 4 or 6 groups) and Manual Intensity Control
Panel Displays	Power, 12 LED Active Indicators and Modes of Configuration
Power In	100-120 VAC / 200-240 VAC, 50-60Hz
Interfaces	USB (Used for remote intensity control and pinning configuration)
Operating temperatures	10°C to 40°C
UV LED Modules	Up to 12 UV LED Modules
Controller Dimensions (L x W x H)	12.98" (330mm) x 17.03" (432.56mm) x 3.7" (95.22mm) 19" (483mm) Rack Enclosure
Warranty	1-Year for Controller and Cables



2260 Argentia Road,
Mississauga, Ontario,
L5N 6H7 CANADA

www.LDGI-Excelerate.com

Telephone: +1 905 821-2600
Toll Free (USA and Canada): +1 800 668-8752
Facsimile: +1 905 821-2055

Excelerate@LDGI.com



Lumen Dynamics Group Inc. is certified under the globally recognized ISO 9001 Quality Management System and the ISO 14001 Environmental Management System. Our global customers can trust that Lumen Dynamics strives to be the best possible supplier in all aspects of our business.

Lumen Dynamics has made every effort to ensure that the information contained in this specification sheet is accurate. However, we accept no responsibility for any errors or omissions, and we reserve the right to modify design, characteristics and products at any time without obligation.

Contact Lumen Dynamics for prices and availability or to obtain the phone number of your local Lumen Dynamics representative. Excelerate® is a registered trademark of Lumen Dynamics Group Inc. All rights reserved.