



**GREYDON®**

**GENESIS**

**DIGITAL COLOR PRINTING SYSTEM**

**L&C**

**LABELING  
& CODING**

# GENESIS

DIGITAL COLOR PRINTING SYSTEM

## The Perfect, High-Speed Solution for Printing Package Graphics Directly onto Packaging Substrates

The Genesis provides excellent print quality on a range of packaging substrates. Designed to print the complete package, manufacturers can eliminate or dramatically reduce the need to manage pre-printed materials for every item (SKU). This reduces cost, complexity and lead times.

Fully digital workflow with no printing plates required, means Genesis is an excellent solution when there are multiple SKUs and short runs – reducing changeover time and increasing OEE.

What makes the Genesis system unique and affordable is its stainless steel, modular, and compact footprint. Genesis comes in both traversing and stationary inline configurations to ensure optimum printing on every horizontal packaging machine or blister machine.

Genesis interfaces with serialization and manufacturing software to ensure complete UDI and DSCSA compliance – compatible with both GS1 and HIBCC standards. With Windows and PostScript driver options, Genesis can handle multiple types of files for maximum flexibility.

Consistent curing of the UV activated inks is essential and the patented XactCure™ system by Greydon monitors all the printing variables and keeps your process safe.

## ALMOST LIMITLESS PRINT CAPABILITIES

Genesis is available in Single Color, Two Color, and Full Color (CMYK) configurations. These configurations allow for almost limitless printing capabilities for existing and future business.



## FLEXIBILITY

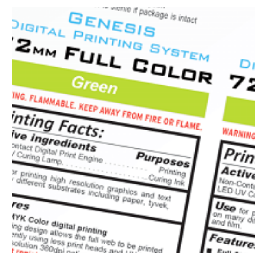
- Can be integrated into all types of HFFS and blister machines.
- Ability to print on all types of packaging materials.
- Genesis can print either across the web (patented, servo system), or inline with the web feed.
- Fast changeover for print jobs, no plates required.
- Genesis can be combined with flexo printing for lowest cost and best print quality.
- Windows driver, PostScript driver, CodeSoft integration and a wide range of supported file types and databases for graphics and print control.
- A secondary form of printing (Flexo, TTO, TII, CIJ, etc) can be added to create a Hybrid Genesis that prints on both sides of the film.

*Genesis from Greydon is a high-definition digital ink jet system capable of printing on many porous and non-porous substrates including medical paper, Tyvek® and flexible films.*

## GENESIS FEATURES



COMPACT ALL-IN-ONE DESIGN WITH ADVANCE TRAX WEB HANDLING



UP TO 4 COLORS, INCLUDING CMYK PROCESS



FULL SUPPORT FOR GS1 & HIBCC UDI COMPLIANCE



SOFTWARE & DRIVERS FOR PRINT FORMAT DEVELOPMENT

# GENESIS

DIGITAL COLOR PRINTING SYSTEM

This compact, all in one, stainless steel system prints at the highest resolutions while keeping pace with the industry's fastest packaging machines. Traversing and inline printing capabilities, versatile mounting options and scalable design allows for a seamless integration in every application.

## TOP FEATURES

- XactCure™
- PostScript Driver
- 21 CFR Part 11 Compliant
- All Stainless, Modular, Compact Footprint

## FEATURE ADVANTAGES OF THE GENESIS

XactCure™ is a top of the line feature offered with the Genesis, preventing ink migration and cracking. This process is integrated into the Genesis printer to control and record every aspect of the curing process, taking all of the variables into account for perfect curing process control.

Genesis has a PostScript driver option as well, that provides an even more detailed print. This driver allows the print job to stay in a vector format until it reaches the printer. The printer then handles the rasterizing of the image.

Genesis also has extensive reporting capabilities including 21 CFR Part 11 required tags, providing medical companies the benefits of paperless record-keeping while ensuring document security and authenticity.



GENESIS

# The Flexible Solution for Printing & UDI Compliance



## UV INK SYSTEM

Genesis utilizes UV-curable liquid inks, once cured, the ink becomes fully solid and will not leach or bleed. A self-managing ink system automatically manages ink levels for optimum print quality. The ink supply can be replenished while the system is operating with no loss of production or print quality.

## LED UV INK CURING LAMPS

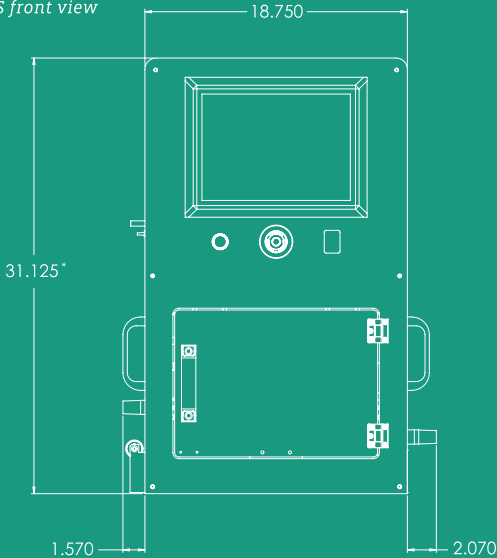
Genesis utilizes energy-efficient, instant-on LED UV ink curing lamps. The LED lamps require significantly less energy than traditional mercury curing lamps and due to their instant-on feature, are only activated when curing. This results in even better efficiency and longer life. The lamps are rated for 20,000 hours of operation without output degradation.

## SUPERIOR SOFTWARE

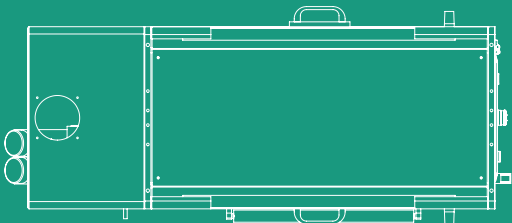
Greydon provides label template design software which can be installed on a separate PC for template creation and management. As this software is also installed on the Genesis HMI, it can be used directly on the machine for local label creation and editing. The software accepts many different types of artwork files and allows for manipulation, sizing, and variable data barcode placement. Genesis offers full support for a multitude of barcode formats and fully integrates GS1 & HIBCC standards for UDI compliance. To ensure compliance with customer's strict quality and marketing specifications, the Genesis software includes robust color matching and proofing capabilities.

## CONFIGURATION

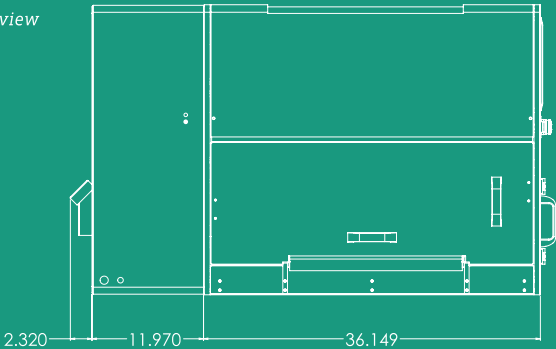
450 DIMS front view



450 DIMS top view



450 DIMS side view



\*Unit of measure: inches

## TYPICAL PRODUCT SPECIFICATIONS

	Traversing Head Model	Static Head Model
Print Width	72-140-210-280 mm	72 mm up to 560 mm
Color	Single Color, Dual Color and Full Color CMYK	
Resolution	Up to 720 DPI Binary or Grey-scale (7 levels)	
Print Speed	Up to 1,000 mm/sec	
Printhead Type	Digital Piezo Technology, 360 DPI Native, 1024 Nozzles	
Drive Electronics	Proprietary	
Ink System	Passive and Active Ink Systems - UV Cured Inks	
Number of Printheads	Single Color-Up to 4, Two Color-Up to 8, and Full Color-Up to 16	Single Color-Up to 8, Two Color-Up to 16, and Full Color-Up to 24

# Genesis

Flexible Design

## HYBRID GENESIS/FLEXO

Add a flexographic printer to your Genesis install. Use the flexographic system to print parts of the package that are static and use the Genesis system for variable printed information. The Hybrid Genesis provides a great print quality at a the lowest per-print cost.

## GENESIS-M

Looking for a digital printer even more compact than the Genesis? Check out Genesis-M, with all the top features of the standard Genesis, just scaled down for compact applications. Not only is it more compact, but Genesis-M has a remote mounted HMI that provides additional mounting and integration capabilities. Also, ideal for customizing top web materials on narrow web packaging equipment.



GENESIS M

GENESIS  
DIGITAL PRINTING SYSTEM  
2MM FULL COLOR

Green

ABLE. KEEP AWAY FROM

cts:



Genesis  
DIGITAL PRINTING SYSTEM



 **PROMACH<sup>®</sup>**

 **GREYDON<sup>®</sup>**

Accuracy, speed, efficiency, and the highest standards of hygiene, Greydon provides our customers with inline printing and coding solutions for flexible packaging of medical devices, pharmaceuticals, nutrition, food, meat, and dairy products. Greydon solutions are used in horizontal form fill seal packaging machine applications the world over. Greydon is a product brand of ProMach, a global leader in packaging line solutions. As part of the ProMach Labeling & Coding business line, Greydon helps our packaging customers protect and grow the reputation and trust of their consumers. ProMach is performance, and the proof is in every package. Learn more about Greydon at [www.Greydon.com](http://www.Greydon.com) and more about ProMach at [www.ProMachBuilt.com](http://www.ProMachBuilt.com).

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