GREYDON®

I-MAX DIGITAL PRINTING SYSTEM

Intermittent and Continuous Digital printing for Flexible Packaging

The I-MAX 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 I-MAX is an excellent solution when there are multiple SKUs and short runs – reducing changeover time and increasing OEE.

What makes the I-MAX 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.

Integrated Genesis inGEN Software interfaces with serialization and manufacturing software to ensure complete UDI and DSCSA compliance – compatible with both GS1 and HIBCC standards.

FEATURES AND BENEFITS

- Can be integrated into all types of HFFS and blister machines.
- Ability to print on all types of packaging materials.
- I-MAX can print either across the web (patented, servo system), or in-line with the web feed.
- Fast changeover for print jobs, no plates needed.
- I-MAX can be combined with flexo printing for lowest cost and best print quality.
- Integrated WebShift system ensures accurately aligned printing and minimize disruption to parent machine operation.
- Windows driver, PostScript driver, CodeSoft integration and a wide range of supported file types and databases for graphics and print control.
- XactCure™ system by Greydon monitors all the printing variables and keeps your process safe.

TYPICAL PRODUCT SPECIFICATIONS

	Traversing Head Model	Static Head Model
Print Width	72-140-210-280 mm	72 mm up to 560 mm
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 32
Color	Single Color, Dual Color and Full Color CMYK	
Resolution	Up to 720 DPI Binary or Grey-scale (4 levels)	
Print Speed	Up to 1,000 mm/sec	
Printhead Type	Digital Piezo Technology, 360 DPI Native, 1024 Nozzles	
Supported Barcodes Include	GS1 128, GS1 Datamatrix, HIBCC (Linear and 2D), Code 128, Code 39, UPC, QR Code	
Supported File Types	BMP, TIFF, GIF, JPG, PDF, PNG, EPS	
Variable Fields	Text, Barcodes, Date Codes, Serialization, Graphics	
Variable Data Entry	Operator Entry, CSV/Text File, Database/ERP/Serialization System by ODBC Link	

I-MAX HIGHLIGHTS

- XactCure™ monitors all the printing variables and keeps your process safe.

- PostScript Driver provides an even more detailed print.

- Extensive reporting capabilities including 1 CFR Part 11 Compliant

- All Stainless, Modular, Compact Footprint

INSTALL ON ANY HFFS

I-MAX builds on Greydon's vast experience of installing printing systems onto all brands of thermoformer and horizontal packaging machine.

With Greydon's relationships with OEM equipment builders, you can be assured of trouble free installation

TRAVERSING HEAD MODEL

The standard I-MAX traverses the printheads across the web during the machine dwell cycle. This ensures precise control and excellent print registration.

STATIC HEAD MODEL

For continuous motion, wide web and high speed applications, the I-MAX printheads can be built to print in-line with the web feed.
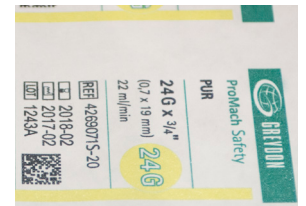
All I-MAX printers use LED UV systems to quickly cure the inks. .

EASY TO USE HMI

The touchscreen HMI provides full control of print functions, print design editing and control of the I-MAX system.

I-MAX accepts many different types of artwork files and offers full support for a multitude of barcode formats and fully integrates GS1 & HIBCC standards for UDI compliance.

UDI COMPLIANCE

Greydon specializes in UDI applications. Genesis can be used to print the complete UDI compliant package, or just the UDI barcode and data.

I-MAX ensures compliance with GS1, HIBCC and ICCBBA barcode systems.