PRINTVIS
The Software Solution for Packaging Companies
Powered by Microsoft Dynamics
PrintVis Helps You Get Your Processes Under Control

PrintVis is the Microsoft-certified MIS built specifically for the print industry, directly embedded in Dynamics NAV, the world-renowned ERP system for mid-market businesses.

This powerful union creates a comprehensive solution to meet the most basic and advanced needs of any type or size of print company, from the first quote until the job is produced and delivered to the customer – including a complete financial package and robust business intelligence from Microsoft.
Manufacturers of food packaging, folding cartons, labels, wraps, displays and other commercial packaging types vary in their production methods, from offset to digital to flexo, rotogravure and more.

They share the same basic concerns as other branches of commercial printing: The need for waste reduction, cost management over raw materials, effective measurement of performance, and the maintenance of a profitable and innovative operation. All of these add up to control of your process.

Like each segment of the print industry, packaging also comes with its own unique set of concerns. Depending on the product, packaging design can involve significant engineering work to
ensure fit with the production process, satisfy legal requirements regarding safety, all the while considering the aesthetics of consumer taste and product promotion.

Packaging manufacturers must also pay attention to shipping weights, environmentally-friendly materials (sustainability and reusability), tensile strengths of their products, temperature sensitivity, and much more.

PrintVis understands the complex processes packaging companies follow to satisfy their customers, and the many planning hours associated with each production run.
From the estimating stage to pre-production and the many, many stops on the shop floor (or outside vendor) through which a folding carton or other type of package must go before finally landing on a store shelf, packaging houses understand there is very little room for error if a job is to remain profitable.

For example, one overlooked knockout at the UV coater can waste an entire position at the fold/glue stage, leading to potential job shortages, extra material costs, re-runs and, in such cases as the pharmaceutical industry, more serious liabilities which can threaten the very life of your packaging company.

PrintVis provides quality control assurance by giving you control and insight into every stage of your production. PrintVis will make
your packaging company run smarter and more efficiently, empowering your people to capture the data needed to optimize your operation, which will help you to satisfy, retain and grow your customer base.

Packaging manufacturers come in all shapes and sizes, using a wide variety of substrates (paper, board, corrugated, plastics, foils and more) for a wide variety of applications (retail, pharmaceutical, food and beverage wraps and cartons, displays, adhesive labels, disposable containers and much more).
Packaging comprises the second-largest segment of commercial printing today.

Most Common Types of Printed Products

Whether with short, custom digital runs or large/bulk factory runs, paper board packaging can be managed from quote to invoice with an intelligent print management information system. When that system is embedded into a proven ERP system, printers can manage every aspect of their businesses with a single software solution.
Packaging manufacturers must be very mindful of waste and necessary spoilage allowances per process to avoid shortages as an order proceeds through its workflow. PrintVis allows you to address anticipated spoilage on a per-process basis. When you know a carton run is particularly challenging at the folding/gluing stage, for example, you can account for that all the way back in your estimating stage.
PrintVis’ functionalities are a perfect fit for the flexography industry, which dedicates the majority of its output to flexible packaging.

You can decide (per machine) to produce stated quantities – or to calculate the quantity you expect per full roll of substrate produced (this is especially important to large-format flexo print, such as printing the outer wraps for corrugated boxes.

- If your business has a single, large-format flexo printer it can be set to always produce full reels of substrate
- Other smaller flexo stations can be set to print specific quantities, utilizing only portions of the reels per order
• The specific information on which exact flexible relief plates (clichés) and inks/ink quantities that goes into each specific product – using Finished Goods templates
• Large flexo printers will often have an on-site color lab, so the ability to handle ink recipes is also covered by PrintVis

Another key challenge to packaging production is the die imposition, especially when the production requires individual job items to be nested into one another for optimum use of the substrate.
Determining the proper press for a packaging run will depend on what is being manufactured. Small pharmaceutical cartons frequently have complex interior structures which make for lengthy setups at the die-cutting and folding/gluing stages. Therefore a smaller number up on a smaller press usually makes more sense (depending on the order quantity, of course).

**PrintVis** elegantly addresses such considerations with the built-in option to upload images to the system’s Imposition Types and present the actual images on the calculation as well as in selected reports.
**The imposition is fixed** with the specifications given on the setup of the imposition type, and users see an actual image of the sheet layout with nested job items, rather than generic rectangles representing positions.

![Diagram of an imposition layout](image)

**Each imposition type** stores information on sheet, or web size, number of items on the actual imposition, how many up and across, as well as a large range of other information such as bleed, trim marks, gripper and gutter distance, stock caliper and more.

You can also store information on inner formats (L x W x H) and search on this input to select the best fit imposition for any job.
Dies

Dies can be set up in PrintVis as well, to correspond with the imposition types and ensure you have the die you need in house prior to production, as well as any accompanying production notes to help overcome any difficulties of prior runs.

Estimation

In packaging the estimation process must factor in specifics, such as the material type, cost and waste for areas to be glued on a carton, necessary coating knockouts for proper adhesion and much more.
PrintVis offers individual fields to specify areas where glue is to be applied, as well as the number of points to glue and similar specifics that put you in control of a job before it begins.

**How PrintVis Will Help Your Packaging Company**

- Thorough management of your production materials, including plates, rollers, inks, coatings and adhesives
- Quickly determine if a carton/box is in stock and issue a production order if not
- Produce more than ordered, put the remainder on inventory, invoice the ordered quantity
- Plan multiple shipments of goods on future dates on the same order. Invoice now or as shipped
- Import your die layout and display this on the shop floor screens
- Store layouts of finished goods for future use
- Manage and pick dies (house dies or customer owned) in a searchable library
- Purchase dies for special jobs and add the cost to the job costing
- Manage life cycles for dies (impression counts)
• Manage customer-finished goods or standard box items in variations (e.g. Mint/Chamomile/Orange Spice Tea variants of the same box size in same order)
• Manage batches of same finished good (e.g. pharmaceutical industry cartons or items) and track which orders produced them
• Reruns of orders with different quantities on variations.
• Production scheduling with independent tools (move between machines)
• Quality assurance steps/questions to control production process with stop-function if required
• SLA (service-level agreement) and SLA reporting possibility per customer or per finished goods item if required
• Coatings and required knockouts
• Die-cutting
• Folding & Gluing
• Finishing – such as foil stamping, embossing, tip-ins and more
Ready to take control of your packaging operation?
Contact us to schedule a free, no-obligation demo!

Go to PrintVis.com today!