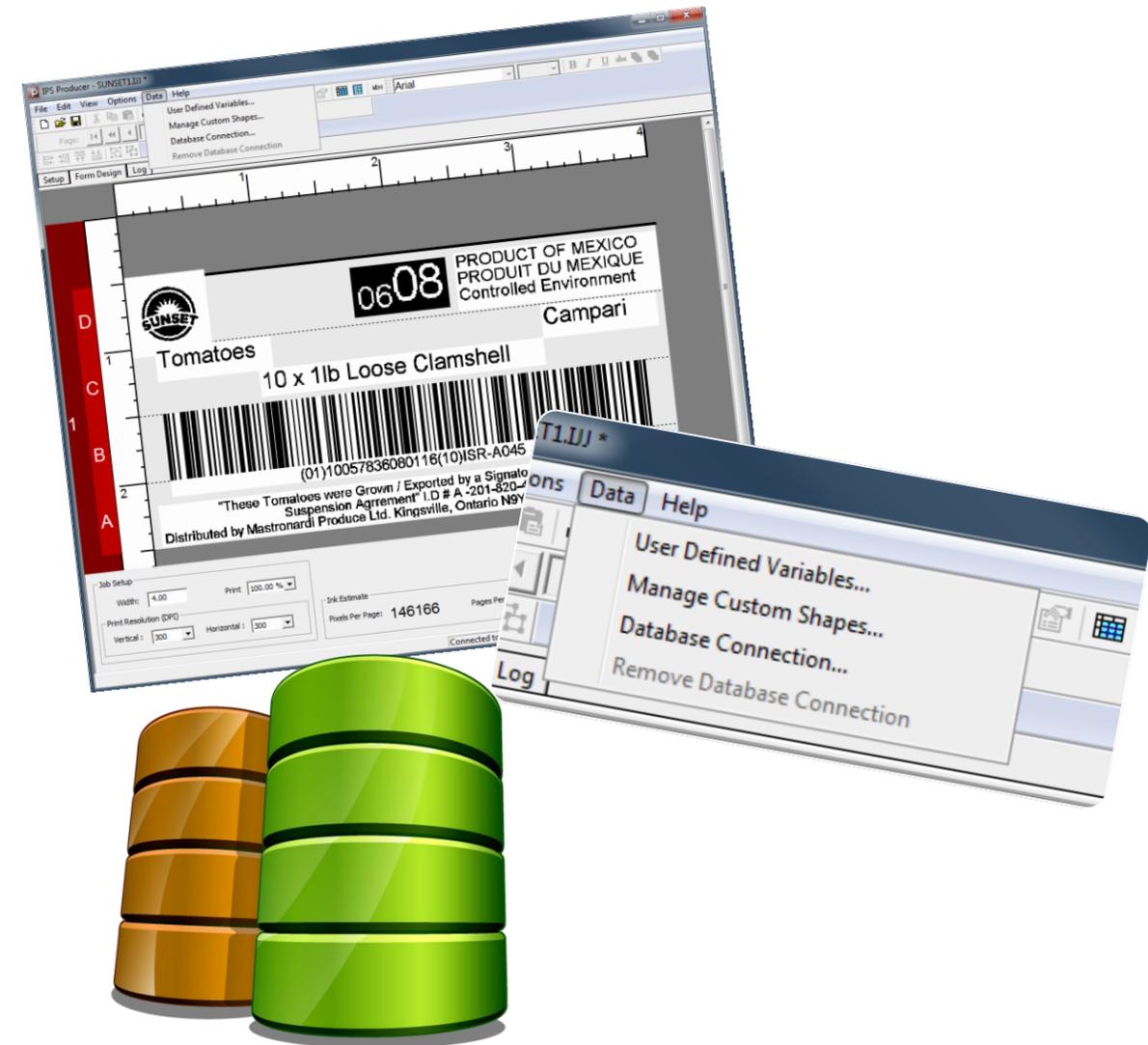


SIGNODE INDUSTRIAL GROUP

.producer
by inc.jet

.director
by inc.jet

DATA INTEGRATION



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SIGNODE INDUSTRIAL GROUP

Talking to inc.jet—data integration

inc.jet's range of industrial-grade software is an integral part inc.jet's family of industrial printing systems. With its intuitive interfaces and solid, dependable functionality our software is second to none in the industrial printing systems arena.

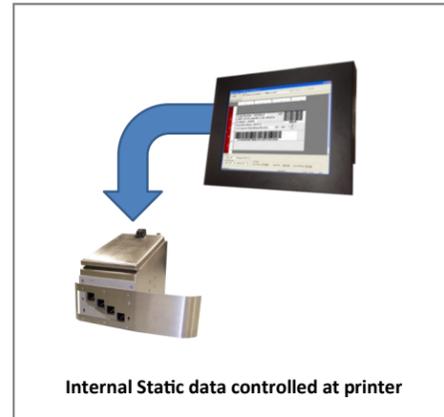
A key strength is its ability to rapidly integrate into external industrial printing systems, from databases to other equipment on the packaging line, allowing print data to be imported directly into inc.jet's Director software

Internal Static Data

The simplest method for printing using inc.jet printing solutions. For applications where the operator has complete control of the application, loading jobs, starting and stopping them and monitoring the printer.

This can occur with Case Coding applications where consistent marking of barcodes, text and graphics can be designed in the print template and the job is then loaded in manually. Variable data such as changing lot-codes, date codes and counting are easily integrated into the print job via a series of print controls within the job template.

1. Operator loads job
2. Static data populates the fields in the job template
3. Operator starts job

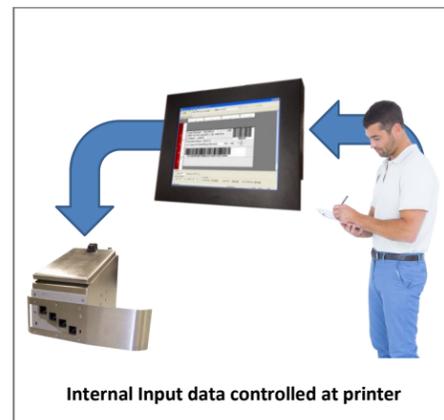


Internal User-Input Data

An additional feature to the capabilities of the data handling capabilities of inc.jet solutions is the ability for the job template to require data input from the operator prior to starting.

This situation often occurs where specific information that can be related to shift codes or personalization of certain messages on the print is required.

1. Operator loads job and is requested to give additional information at the screen
2. Data input populates the fields in the job template
3. Operator starts job



XML Data Push

XML Data Push is ideal for fully automated packaging lines where control of the inc.jet printer can be performed remotely. It requires the creation of a server or pc based application that will send a specific XML script to the Director.

In a scenario where a line is processing products that can change, Data Push enables the operators to control and monitor multiple pieces of the line from a central location, ensuring that differing equipment and processes are all configured together to give the correct product.

For inc.jet's printers, this means being able to load jobs and populate the print templates accurately from a central location, while also being able to monitor print characteristics and messages locally.

1. Application on remote computer sends XML script
2. Director loads print job and populates the fields in the job template
3. Starts job



SQL Data Pull

For many companies, centralization of data is a key part of their operating processes. SQL Data Pull from inc.jet facilitates this by allowing a solid connection between the IPS Director and a remote database.

In a situation where a company produces differently branded versions of the same product, this is a perfect solution, guaranteeing consistency and quality while removing operator error.

The operator inputs information, for example by typing in a job number, either directly via a keyboard, or by scanning a barcode, and an XML script resident on the Director requests data from a database using a SQL Query The full job is loaded together with data for specific fields of the print template.

1. Operator loads job and inputs prompted data
2. XML script builds SQL query and sends to the database server
3. Director loads print job and populates the fields in the job template
4. Operator starts job



Dynamic Data Feed

There are applications where data from external equipment is needed to be able to print onto a product. Dynamic Data Feed from inc.jet solves this problem.

A common instance is with regard to scales especially in food handling packaging lines, where variable weights are required to be printed on the packaging. The IPS systems can take suitably formatted data from industrial scales, using the I/O port on the Print Controller and integrate this data into the print template on a print by print basis.

1. Operator loads job and starts job
2. Dynamic data in the correct format, coming from an external device, via an I/O connection
3. Fields are automatically populated

