



## Advanced Label Designer and Bulk Printing



### THE CLIENT

This customer is a leading label printer vendor selling various label printers and printer supplies in US.



### BUSINESS NEED

The customer wanted to reengineer their existing aged Label Designing and Label Print Manager application suite with the latest technology. The customer wanted the drawing tools such as Text, Line, Rectangle, Ellipse, Picture, Barcodes tools as plug-in components for Label Designer application and also the supported printers as plug-in component for each printer for Label Print Manager application.

The main purpose of having the drawing tools components and printing components as plug-in is to allow Label Designer application to add new drawing tools and Label Print Manager application to add support for any new printer in the future by just dropping the respective new drawing tool or printing components to the application directory without changing the main application binary.



### TECHNOLOGY USED

- ◎ **Development Tools:** Microsoft Visual Studio 2013 IDE, C#, WPF, WCF, ADO Dot Net
- ◎ **Framework:** Microsoft Dot Net Framework 4.5
- ◎ **Libraries:** Barcode library, Third party SDKs



### SOLUTION DELIVERED

Before starting the development of the Label Designing and Label Print Manager application suite, we shared the complete technical architecture for all the applications and components with the customer through confluence, and provided the complete GUI wire frames for all the applications.

The Label Designer application allows users to design and print the high resolution and larger label file using various drawing tools such as Text, Line, Rectangle, Ellipse, Picture Barcode, etc.

The prominent feature of the Label Designer application includes:

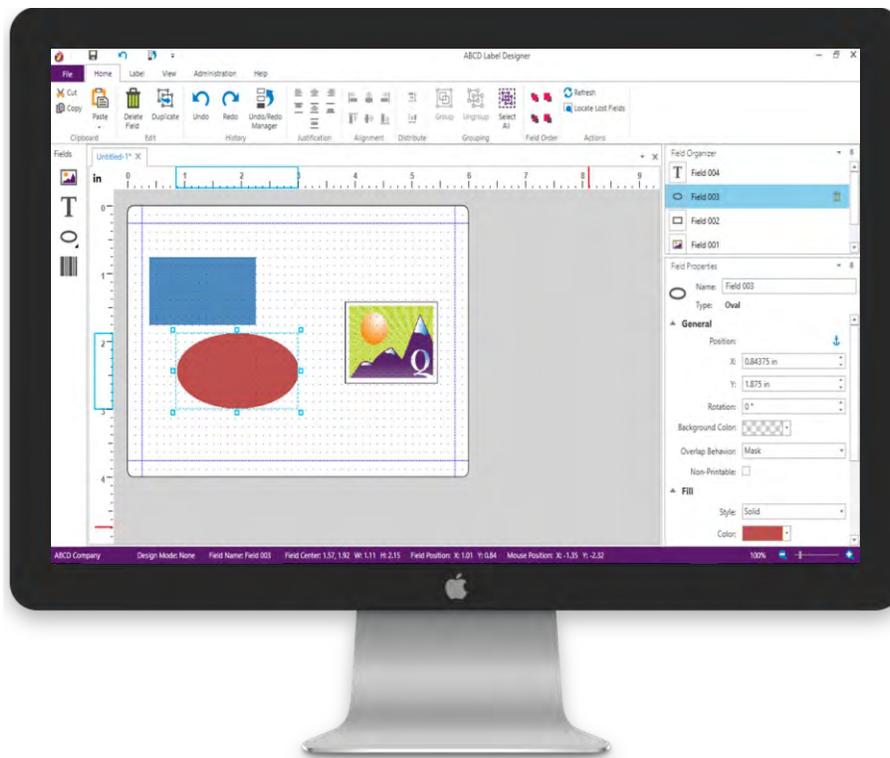
- ◎ Rich UI with Ribbon toolbars, docking windows and theme support
- ◎ Allows designing high resolution and larger size labels by internally banding the label graphic
- ◎ Allows to extend support for any new drawing tool without changing the application binary by just dropping the drawing tool component to the application binary path
- ◎ Allows to link fields to data records from various data base such as MS SQL Server, MS Access, MS Excel, Dbase, HTML, Tab-delimited, Comma delimited and ODBC
- ◎ Allows to print the label to any supported label printer
- ◎ Allows to export the label as graphic file
- ◎ Allows to extract the label source files like fonts, graphics, etc.

The Label Print Manager application allows users to make bulk printing to any supported printer. The prominent features of the Label Print Manager includes:

- ⦿ Rich UI with Ribbon toolbars, docking windows and theme support
- ⦿ Allows to create the batch print file using any label file with desired print count for each label
- ⦿ Auto generate the alphanumeric text for fields for batch or series number placed in the label
- ⦿ Allows to pause, cancel and reissue the print jobs

## BUSINESS BENEFITS

- ⦿ Provide flawless designing and printing of labels using the package for the customers purchased the label printer
- ⦿ Package allows customer for complete unitization of the label printer by using bulk printing feature in Label Print Manager
- ⦿ Allows client to provide custom drawing tools or new drawing tools to their customers as patches instead of providing the complete update or re-installation of the package because of plug-in component architecture for drawing tools
- ⦿ Allows client to provide new printer support or update to any existing printer to their customers instead of providing the complete update or re-installation of the package because of plug-in component architecture for printers
- ⦿ Quick turnaround time resulting in timely launch of the new product



### ABOUT ALTEN CALSOFT LABS

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