

## Smart Garment RIP Overview

Smart Garment RIP Software is a queue-based production management software designed by CADlink Technologies to work with the Smart Garment Printer. This specialized RIP (Raster Image Processing software) is designed to increase print speed, manage jobs, manage colors, improve workflow and calculate printing costs. The Smart Garment RIP Software provides the user with a simple, user-friendly method for outputting jobs from popular graphics programs such as CorelDRAW, Illustrator and PhotoShop.

### Key Features:

**Queue Based Printing:** A Queue allows two-or-more jobs to be accumulated and sorted according to their job parameters. Multiple production queues can be created for the Smart Garment Printer, where each queue is used to accumulate jobs for specific job parameters, such as different colored garments or image locations. From a designer's standpoint, each production queue is like a print destination that they can print to via their graphic design application. The designer would choose the queue that best corresponds to the type of job they want processed. By using the production queues to accumulate jobs from various designers, jobs can be held pending, until the given printer is available, or a given garment/fabric has been loaded, etc.

**Support for Multiple Queues:** Digital Factory provides the ability to organize two-or-more queues for sorting jobs according to the types of garment, sizes of garments, and so on.

**Print Directly from CorelDRAW, Illustrator or PhotoShop:** Designs can be sent directly to Digital Factory without needing to use the Print function. A special menu is created in each application that automatically transfers the image to the software for output. There is no requirement to configure a special driver or print settings.

**Interactive VPM View:** On the right-hand side of the Visual Production Manager window are the Preview Pane and Media Settings pane. These can be used to visually size, rotate and position each job on the garment material. If necessary, cropping, tiling, and nesting of jobs can also be performed. Advanced controls let you specify page copies (for multiple shirts), or ink pass for same multiple color passes.

**Templates and Hot Folders:** This new feature allows you to create and position print areas. Use the Template Creation window to create and setup your own shirt boards. The templates can be used for 3 UP, meaning you no longer need to layout three shirts in your graphics program. VPM will automatically layout the jobs. Using a single image loaded into VPM, the template feature can even be used to print a pocket, full shirt and cap all at the same time using that one image. The possibilities are virtually endless. Template can also be utilized using the Hot folder support settings for batch processing, such as the Internet printing automation that is used by Internet garment decorating companies.

**Costing:** The Costing feature is used to collect ink usage data and estimate the production costs associated with the completing print runs. As more data is collected, an average trend in ink usage should be apparent, thereby providing greater ability to predict anticipated material needs for upcoming jobs. Likewise, you will be able to predict materials usage for a given job within the queue. Costing information can be exported to a standard format, for use in database programs such as Excel.

**View Raw Data:** When a job is printed, the image is converted into a spool file (i.e., raw data) that is then transmitted to the printer. Using the View Raw Data feature, the spool file can be previewed on-screen to confirm the pixel data that will be printed. Though the Preview Pane provides an on-screen representation of the job, using View Raw Data will display the actual pixel data that will be printed.

### System Requirements

**Operating System:** Windows XP, Windows Vista or Windows 7 operating systems

**Processor Speed:** A Pentium or Pentium equivalent processor or 1.25 GHz or higher

**RAM:** 1GB or more is highly recommended. 2 GB is recommended for Windows Vista

**Free Hard Drive Space:** 2GB free hard drive space is recommended

**USB Connection:** USB 1.1 port (high speed 2.0 recommended)