



## Enable High Speed, Fully Automated Document Creation with Datalogics DL Pager™

DL Pager is a high speed, fully automatic document creation system. Simply input volumes of data into DL Pager and roll out perfectly formatted pages complete with complex headers and footers, indices, footnotes, tables, math and cross references, all set perfectly in place. While this software package can be used for jobs large and small, it is on the large, complex documents that DL Pager truly excels. Documents that are twenty, fifty or even two hundred pages long can be hand created, a page at a time, using desktop publishing software. When production runs are hundreds, thousands, or even millions of pages per month, DL Pager is the answer. The ability to lay out pages, create indices and tables of contents and resolve all cross references with absolute accuracy, sets DL Pager in a class by itself.

### ADVANTAGES

- Support for complex tables, scientific data, legal footnotes and mathematics
- Support for a wide variety of graphic input formats with automatic tracking, scaling and sizing
- Industry leading support for loose-leaf composition
- No transformation or filtering of SGML to typesetting language required
- PDF output with hyperlinks and bookmarks in place

### DL PAGER AVAILABLE OUTPUT FORMATS

The DL Pager composition system supports the following output formats:

- Adobe PDF
- Adobe PostScript
- IBM AFP
- Xerox Metacode
- SEC EDGAR
- SEC HTML (EDGAR II)

### What is Automatic Composition?

Automatic composition is the publishing alternative to the page-by-page makeup required by desktop solutions. DL Pager is a program that uses logical rules, which can be highly customized, to set up pages faster than any human possibly could. In fact, the page set up speed for DL Pager can be up to hundreds of pages per second. This program moves swiftly through the input data stream, applying pre-defined design rules and tirelessly setting up page after page. DL Pagers high performance and automatic operation frees authors and editors from typesetting concerns, making it the ideal production tool for high-volume publishers.

### Standardization of Document Styles

Word processors and desktop publishing systems allow each author total flexibility in page format and layout. Sometimes such flexibility is required, but in the technical publishing arena, it can become a liability. When standards require documents to be produced with a uniform look and feel, quality assurance can come from your choice in publishing tools. Organizations can set standards for page layout style and DL Pager will faithfully execute style specifications page after page. The result is a whole class of documents guaranteed to have standardized page layout and format.

### What About Aesthetic Concerns?

Have you ever wanted to create an effect on a page that you simply could not achieve with your current electronic publishing software? Perhaps requirements call for three levels of dictionary headings at the top of each column on a page. The criteria for which headings appear above the left column may differ from that for headings which appear above the right. Aesthetic concerns might dictate that identical footnotes on a page appear only once in the footnote area at the bottom of the page. Graphics may be required to scale on the fly to fit into a certain page area or to automatically appear at the top of a text column no matter how many times the text flow is changed on the page.

DL Pager can accomplish these effects and many more. DL Pagers 300+ commands allow complete control over all aspects of the publishing process. There is also a powerful programming language provided that will allow the specification of format alternatives based on conditions encountered in the input data stream.

## What about SGML and XML?

Many publishers have a requirement to encode data with Standard Generalized Markup Language (SGML) or eXtensible Markup Language (XML) tags. In the Department of Defense, automotive, airline and semiconductor industries, SGML and XML are fast becoming document encoding standards. Datalogics products are the most robust publishing engines on the market that directly interpret SGML and XML data. DL Pager can process data streams with generic markup, SGML or XML tagging directly. Many competitors require conversions into their own proprietary processing formats. This results in twice the software to maintain, twice the problems to troubleshoot and twice the documents to store and manage over time. DL Pager was built to directly accept SGML and XML data and deliver it to industry standard print and electronic display devices.

## Separation of Content from Style

### Format Files

DL Pagers markup and programming language commands can be combined to create complex and powerful typesetting routines referred to as 'formats.' Format routines are called into action by markup language tags. The tag <para> will call an externally defined typesetting routine assigned to 'para.' SGML and XML attributes are passed into the routine as variable values to be tested and acted upon using DL Pagers internal programming language. The <para indent='none'> tag will create different output than the <para indent='hang'> tag. DL Pager can utilize markup language attribute defaults and enforce attributes that are required. Format files can be stored in libraries and used for an unlimited number of documents. Conversely, text files may be processed with different format files to produce different output types.

### Style Files

Information controlling selection of fonts and basic typographic page set up parameters is contained in a separate style file. Style files may be utilized by an entire class of documents to enforce consistency of style.

### Application-Specific Capabilities

DL Pagers successful history with demanding publishing applications for the financial, legal, aerospace, automotive, insurance and pharmaceutical industries has earned the engine a worldwide reputation.

### Financial

DL Pager is widely used by financial printers because of its robust support for complex financial tables. It is used to create Initial Offering Prospectuses and 10-K, Annual, Quarterly and Shareholders' Reports as well as 401K reportings.

### Legal

DL Pager was specifically designed to support balanced, multi-column footnotes and automatic index extraction capabilities, which are required in publishing statutes, cases, treatises, encyclopedias and case annotations. DL Pager excels for legal printers due to its industry leading capabilities for the automatic generation of interfiled loose-leaf publications. These include change package support and the automatic generation of filing instructions.

#### INDUSTRIES FOR DL PAGER

- Financial
- Legal
- Pharmaceutical
- Aerospace
- Automotive
- Insurance



### IGS Features

- Accepts graphics from a wide range of sources, including CAD systems, digitizing scanners and common PC applications
- Provides rotation, resizing and format translation graphic manipulation capabilities
- Compatible with the DL interactive proofing products to allow screen preview prior to printing
- Processes graphics separately from text and combines them at output, eliminating the need to store multiple graphic sizes or orientations and saving system resources.
- Provides flexibility through three options for specifying graphic size and orientation
  - During graphic creation
  - Through the on-line catalog
  - Designating size or rotation with DL Pager mark up in the input file

### IGS INPUT FORMATS

- AutoCAD DXF
- PDF
- JPEG
- CGM
- CCITT Group 4
- EPS
- HPGL
- IGES
- Macintosh MacPaint and PICT I and II
- PC Paintbrush PCX
- TIFF

### Pharmaceutical

DL Pager is used by several pharmaceutical companies for the generation of massive New Drug Applications (NDAs). These submissions to the FDA can be hundreds of thousands of pages long and require fast, accurate pagination. DL Pager is also used in publishing reference books and other large documents for the pharmaceutical industry.

### Aerospace/Defense and Airlines

DL Pagers capabilities in text/graphics merge, revision marking, cross-referencing and automated table of contents and index features make it ideal for the production of technical documentation, illustrated parts lists and catalogs (IPCs) and maintenance manuals conforming to SGML specifications within CALS and ATA 2100.

### Automotive

DL Pager is used for the production of automotive service manuals, illustrated parts breakdowns (IPBs) and other high-volume, complex applications by both automobile manufacturers and aftermarket reference publishers. The SAE J2008 SGML requirement makes DL Pager an ideal choice.

### Insurance

Datalogics has several long-time customers in the insurance industry who rely on DL Pager for the generation of group policy booklets, provider directories and policy and procedure manuals. DL Pager is used by one insurance provider for the on-demand creation of personalized customer solicitations based on the information stored in their corporate database. This particular system generates thousands of unique mailings each day.

### Technical Specifications

DL Pager runs on a variety of systems including:

- Windows NT/2000/XP
- Sun Solaris
- HP OpenVMS for VAX and Alpha

### Other Programs Included with a DL Pager License

In addition to the DL Pager composition engine, Datalogics offers a variety of complementary programs for storing and manipulating graphics, dynamically modifying page layout, directing output to a variety of devices and creating electronic files for viewing and distribution.

### Integrated Graphics System

The Datalogics Integrated Graphics System (IGS) consists of a set of programs that manage and manipulate computer-resident graphics. Graphics can be created using CAD/CAM/CAE systems, illustration packages and image scanners. These 'input' graphics are then transferred to the publishing system host. Once cataloged, the graphics are converted for output on interactive proofing devices, typesetters and laser printers. IGS can also scale and rotate images as required.

IGS catalogs information about the graphics in on-line databases. When used with the DL Pager composition system, the information in these on-line databases allows graphics to be automatically converted and merged on demand into typeset documents.

This system greatly simplifies both text and graphic production by coordinating the production and revision cycles between editorial and graphic departments, managing and storing graphics files and providing a wide range of input/output device options.



### **Spell Check/Language Support**

DL Spell provides batch spell checking with customize dictionaries to ensure accurate error-free output. DL Pager also provides complete support for most European language typesetting applications, including special character sets and dictionary and hyphenation logic. Multiple customizable dictionaries and logic sets can be applied to the same composition job.

### **Charting**

DL Pager supports the automatic generation of charts to aid in the presentation of numeric data. Pie charges, bar graphics, column charts and line graphs can be created in-line during composition. A Windows based graphic User Interface (GUI) tool is provided to support chart style definition. With composition rules, you can specify the data to be used, chart types, legend and axis label fonts and placement, colors and fill patterns within your documents and DL Pager will handle the rest.

### **Loose-leaf Capabilities**

DL Pager is particularly well suited for the complex page composition requirements of the legal publishing loose-leaf industry. It can be used to compose single pages, leafs, sections or whole documents, depending upon the page management and distribution requirements of the user. Page Squeeze logic can be implemented to minimize change pages for distribution efficiency. A collection of supporting utilities is available for use in integrating data management applications and repositories with the DL Pager composition environment.

### **DL Pager PDF Output Module**

Datalogics offers a PDF Output Module for the DL Pager composition engine. The PDF Output Module enables DL Pager to distribute formatted output directly to the Adobe® Reader® or exchange without distilling PostScript files through the Adobe® Acrobat® Distiller software application. The DL Pager PDF Output Module provides significant time and cost savings in preparing output for electronic delivery.

### **DL Pager AFP Output Module**

Datalogics offers support for the IBM Advanced Function Printing (AFP) specification with the AFP Output Module for the DL Pager composition engine. AFP printers such as the IBM InfoPrint 4000 series can print laser quality pages at speeds of over 3000 pages per minute.

### **For More Information**

For more information about how DL Pager can work in your composition environment, contact Datalogics Sales at 312.853.8200 or via e-mail at [sales@datalogics.com](mailto:sales@datalogics.com).

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