



document sciences



CompuSet®

A Powerful Composition Engine for Driving Personalized Content

CompuSet, the hallmark in robust content automation composition engines, composes personalized documents at high speeds, without user interaction during production. CompuSet assembles and formats the document, preparing a CompuSet Intermediary File (CIF) for output to the Web, print, e-mail, or archiving, using one of Document Sciences' print emitters. CompuSet automatically assembles data, text, and graphics originating from databases, libraries, transaction processing and document management systems into dynamic customer communications. Compatible with most mainframes, servers, workstations, and personal computers, CompuSet can output to a variety of devices including high-speed digital printers, proofing devices, online viewing systems, and CD-rom archival systems.

The Power of Color

With Document Sciences' Color CompuSet, organizations can produce high quality documents (e.g., statements, policies, contracts) with full color vector three-dimensional data driven graphics, images, logos, and colorful text. Color-rich graphics and targeted marketing messages can also be added to communicate more effectively with customers. These feature rich documents take advantage of the newest generation of Xerox and IBM color printers, as well as black and white printers.

Create personalized documents in black and white, highlight color, and full color...

Adding:

- Logos and branding elements
- Rules and boxes
- Special promotions
- Three-dimensional pie and bar charts



Key Features and Benefits of CompuSet:

- Integration with high-speed processors results in better performance and faster production throughput
- Multiple output options for print, e-mail, Web, or archival systems increase flexibility
- User-defined rules enable customized content and control over page layout, using graphics and color
- Two or three-dimensional data driven graphics organize numeric information into bar and pie charts, improving visual appeal
- Support of RGB and CMYK models transforms documents into full color, graphically-rich communications
- Application of page numbering for complex documents improves ease-of-use and presentation
- Simple calling interface integrates composition functionality into company's existing application code for faster implementation

Components and Compatibility

Operating Requirements

CompuSet®

Recommended Configuration

- Intel® Pentium® III processor, 866 MHz
- 512 MB
- Parallel or USB port required
- 20-40 MB of available hard disk space, 3-4 GB of application storage space

Microsoft® Windows®

- 2000 Professional, 2000 Server, 2003 Server or XP Professional or

UNIX®

- **HP® UNIX®**
 - 550 MHz
 - 512 MB of RAM
 - HP/UX v11.0 or v11i
- **IBM® AIX®**
 - 500 MHz
 - 512 MB of RAM
 - AIX® v5.1, v5.2 or v5.3
- **Sun® Solaris™**
 - 733 MHz
 - 512 MB of RAM
 - Solaris v8.0 or v9.0 or

IBM® z/OS®

- v1.3, v1.4, v1.5 or v1.6

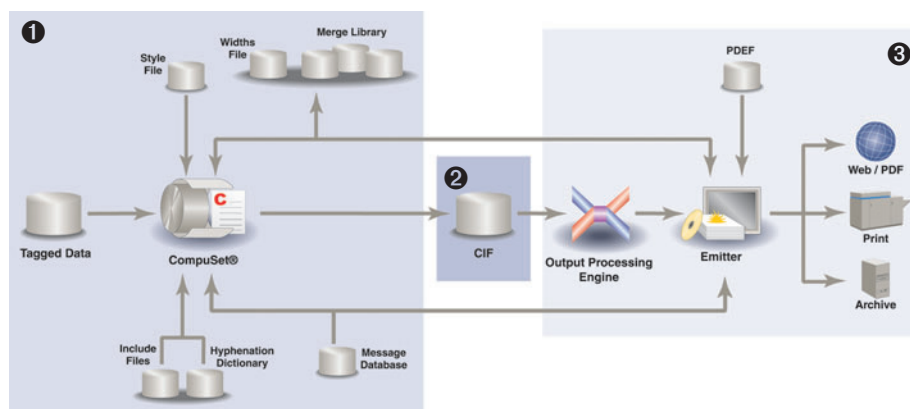
Supported Output

Full Color

- AFP™ Emitter
- PDF Emitter
- PostScript Emitter
- Creo® Variable Print Specification (VPS)
- Xerox Variable Data Intelligent PostScript PrintWare (VIPP)

Black and White/Highlight Color

- AFP™ Emitter
- Document Sciences CCF™ Emitter
- Metacode Emitter
- PCL Emitter
- PDF Emitter
- PostScript Emitter
- VIPP



① During the composition process, the CompuSet engine processes several information files. The Tagged Data file is a flat file of variable information, marked with formatting tags. Each tag maps to a definition in the Style file, based on how the data is to be formatted on the page. The Style file describes all attributes of the document, including page size, fonts, header and footer text, pagination, and page layout logic. CompuSet includes other files with Style information or data, and uses a hyphenation dictionary to ensure all hyphenation tasks are completed according to specifications.

CompuSet uses other files to gather information. A Widths file contains font metric information for

calculating where to position characters on the page using all fonts specified in the Style file. Two read-only and one read/write Merge libraries provide information about embedding images on the page.

- ② The Composite Intermediate File (CIF) is a file generated by CompuSet. The CIF is processed through Document Sciences' Emitter Tools for print or electronic delivery.
- ③ The Output Processing Engine, working in concert with both the Print and PDF Emitters, enables post-composition stream manipulation. The PDF Emitter enables both electronic delivery and archiving to a variety of industry standard archive

solutions, as well as the industry accepted archive format. Print Emitters allow a site to direct output to virtually any production printer including black and white, highlight color and full color. Available Print Emitters include Postscript®, PCL®, AFP™, Metacode®, VIPP and VPS. During the Emitter process a Page Definition File (PDEF) provides final page layout instructions for the Output Subsystem emitter. The emitter resolves the formatting, and retrieves referenced Merge library components, such as images and merged documents. The PDEF includes output-specific information about the fonts used to produce the document.

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