

## Overview

XML Professional Publisher (XPP) is a powerful publishing software package for the production of high-volume, complexly formatted publications. XPP provides rapid turnaround, supports text and graphics input from multiple sources, and outputs formatted results for a variety of delivery channels in both Print and PDF. XPP supports an XML-based workflow as well as input from databases, word processors, and other sources of structured or semi-structured content. It is an ideal formatter for both standards-based DITA and S1000D content. It also facilitates “lights out” batch publishing as well as an interactive WYSIWYG workflow.

XPP integrates readily into a Service-Oriented Architecture and has a Web Services-based API that enables it to use standards-based communications over the Web.

Typical users of XPP software include developers that produce large volumes of technical documentation, manufacturers that issue product and service manuals, legal publishers and professional publishers who produce scientific or medical journals, text books, catalogs, and loose-leaf publications.

## XPP BUSINESS BENEFITS

- Faster page turnaround
- Shorter production cycles
- Lower labor and materials costs
- High typographic quality
- Streamlined revision cycle
- Standards-based workflow
- Expanded production and output capabilities
- Use of industry-standard computing platforms
- Easy integration with IT architectures

## XPP HIGHLIGHTS

XPP facilitates the production of high-quality, multi-volume publications. It applies predefined formatting rules to marked-up content and creates complex pages with little or no human intervention. System capabilities include:

- **Automatically processes text and graphics into fully paginated documents** – XPP can float graphics and automatically place them on the page near where they are called out, according to rules you specify.
- **Enables interactive WYSIWYG page design and editing** – Where interactive workflow is desired, XPP enables direct access to the paged document to make last-minute changes to formatting, content, or mark-up as needed.
- **Uses a page-oriented approach** – Once a publication has been composed, XPP stores the document in paginated form and tracks each page separately, providing you powerful control over your document.
- **Controls recomposition after changes** – XPP is unique in its ability to control the “ripple effect” of edits and eliminate unwanted changes to other pages.
- **Freezes page elements** – XPP provides several options for locking the position of page elements, enabling users to perform tasks such as reflowing text without relocating graphics, modifying constant data such as running heads and folios, and greatly reducing the cost of updating text material.
- **Supports high-quality, commercial composition including flexible footnote and complex tabular composition** – XPP supports complex footnote and table styles and breaks long footnotes and tables across pages automatically.
- **Leverages a variety of industry standards** – In addition to empowering an XML-based workflow, XPP supports many graphics and publishing standards, as well as industry best practices.
- **Publishes in 35 languages** – XPP supports the ability to extend your publishing around the globe.
- **Provides multi-user conferenced access** – Up to 16 users can simultaneously access the same document.
- **Offers application-specific options** – In addition to XPP’s core publishing capabilities, XyEnterprise provides optional software for specific applications and industries.

## XPP – THE PACKAGE

A minimum XPP configuration includes at least one XyView – the interactive WYSIWYG editor, one batch formatting server license called ADVP, and one server license called CITI for creating contents, index, lists of tables, and illustrations.

*XPP includes the following features with this configuration:*

- **Batch Pagination** – In this “light’s out” mode, an entire publication is composed and paginated automatically, according to user-defined styles.

*As a batch pagination engine, XPP capabilities include:*

- Automatic placement of all page elements
  - Automatic numbering and cross-referencing of sections, subsections, tables, footnotes, and illustrations
  - Mixed column formats on a single page
  - Automatic column balancing
  - Automatic generation of running headers and footers
  - Automatic anchoring of a collection of elements or graphics to a reference point on a page
  - Automatic widow and orphan control
  - Automatic vertical line spacing for specifying the priority level and minimum/maximum vertical space bandwidths
  - Unlimited number of page layouts within a document
- **Interactive page layout** – Users can interactively modify the page design of any element on a page including text and text block rotation, screened and colored backgrounds, and page elements outside the page boundaries.
  - **High-quality composition** – XPP is designed for publishing professionals who require high-quality typographic controls. XPP separates content from style and places style in separate, reusable, easily managed style libraries. This approach allows rapid shifting between styles, for example between U.S. and European page sizes.

*Standard composition features include:*

- User-definable commands (processing instructions) to automate complex typographic functions
  - Ability to use Perl programming to automate formatting
  - Granular formatting control, including track and pair kerning, word, letter, and interline spacing, and aesthetic ragging
  - Irregular text runarounds
  - Automatic ligature replacement
  - Automatic accent replacement
  - Auto-sizing of boxes around text
  - Rotated text and page elements
- **Autoprocessing** – Autoprocessing – a standard feature of XPP – enables users to create an entire publication by placing a file into a watched directory.
- Autoprocessing establishes background processing queues that:*
- Receive text and graphics in multiple formats from external sources
  - Initiate first-pass composition and pagination
  - Perform spell checking
  - Place graphics and other elements in the correct positions on each page within the document
  - Send pages to a laser printer for proofing or to create PDF for online review
- **Support for Graphics** – XPP supports graphics created in standard formats (EPS, TIFF, JPEG, PDF, SVG, and CGM) that are resident in the file system and uses them, as needed, for both screen display and output to PostScript and PDF.

If an appropriate graphic editor is available where XPP is running, the graphic may be launched into the editor from XPP by clicking on the graphic displayed on the page in XPP’s WYSIWYG editor.

*“One of our customers did their product catalog with PageMaker and it took about two weeks. Now we can produce the same catalog with XPP in just five minutes”*

**Teemu Malmberg, EDITA**

*“Having been an **XPP** user since 1989, the remarkable thing about XPP is that it is still at the forefront of leading technology”*

**Chris Leggett, Letterpart**

- **Tabular composition** – XPP provides both highly automated and highly interactive tabular composition. This combination of tools lets users utilize predefined formats for similar tables, create unique styles for customized tables, and interactively edit both the content and format of any table. XPP supports the CALS table model.

*Tabular composition capabilities include:*

- Automatic table-breaking across columns and pages
- Automatic generation of user-defined continued heads and continuation text
- Straddled text and heads across rows or columns
- Automatic decimal alignment
- Automatic alignment of any character, up to three characters at a time
- Automatic hanging characters in gutters
- User-specified gutter values for individual rows, columns, or an entire table
- Automatic single or double underlining, to width of text or column
- Variable columns widths based on widest text, specified proportions, or fixed size
- Variable independent rule weights for left, right, top, and bottom table rules
- Automatic tabular justification, vertical or horizontal
- Automatic placement of graphics within tables and sizing of cells to accommodate graphics

- **Floating Elements** – XPP will float graphics or tables to the best space on the page based on rules for placement near callouts and priorities set for areas on the page. Floating tables can also break across pages, with all the continued head support offered by XPP tabular.

- **Footnotes** – XPP offers great flexibility in the way footnotes can be formatted, meeting the demanding requirements of legal documents, financial statements, and scientific, technical and medical journal articles. XPP includes two separate footnote tracks, which can be formatted separately. Footnotes can be placed at the bottom of the page on which they are called out or collected to form end notes at the back of the document. Long footnotes, if necessary, will break across pages. In addition to standard footnotes within tables, XPP supports a separate table note construct that allows note bodies to be placed at the end of the table or (optionally) at the bottom of a table segment when the table breaks across pages.

*XPP's extensive footnote capabilities include:*

- Footnotes below text block where referenced
- Footnote spanning across multiple column pages
- Footnotes paginated at the end of a document
- “Biblical” footnotes set horizontally, left to right, across bottom of page
- Automatic placement of footnote separators
- Control over footnote separator type, style, and spacing
- Two footnote tracks for author’s and editor’s notes with either numbers or symbols
- Both tracks at page bottom or one track at page bottom and other track at chapter end

- **Tints and Patterns** – XPP includes a standard Tints & Patterns package supporting both process (CMYK) and spot color definition. Text may be tinted and/or colored, objects of different shapes (circles, squares, ellipse, etc.) can be created and filled with a tint or pattern, and text blocks can be outlined with round or square corners and tinted backgrounds.

Virtually all XPP composition objects can be defined to have a specific color and fill. These objects include pickups (floating graphic or tabular content), main text, stories, footnotes, tables, table cells, and table rows.

The Tints and Patterns package specifies the color of XPP composition objects. It displays representative tints onscreen, but produces accurate screening and color effects on color RIPS through standard color separation systems.

"By using **XPP** we are able to make significant cost savings, enabling us to reinvest in the future of the company and its people."

**Ian Harkness and Kelly Barclay, Lexis Nexis**

## OPTIONAL MODULES

In addition to XPP's core publishing capabilities, XyEnterprise provides additional optional software to meet the special needs and requirements of specific industries. These modules can be purchased separately and added on to the core configuration.

### UNIVERSAL INTEREST

- **XPP Web Services Development Kit** – Enables development of a Web-based interface to the XPP publishing engine, and integration of XPP into a standards-based Web deployment – for those who have or are creating a Web-based solution within a publishing environment.
- **XPP-AI** – The connecting software that enables the integration of XPP with a content management system.
- **XPP Style Editor** – A user-friendly browser-based tool for maintaining and enhancing XPP styles.
- **Language Support** – Automatic hyphenation and spell checking can be purchased on a language by language basis as the requirement arises. XPP offers support for 35 world languages, including Chinese, Japanese, Korean, and Thai, with more on the way.

### LOOSE-LEAF PUBLISHERS

- **Loose-leaf Composition Package** – Enables the creation of changed page packages, automatic creation of LOEPs (List of Effective Pages), and the full support of XPP's loose-leaf composition features.
- **XyDiff** – XyEnterprise's comparison tool that detects differences, automatically marks changes, and creates output with changes and deletion marks.

### SCIENTIFIC, TECHNICAL, AND MEDICAL PUBLISHERS

- **MathML Typesetting Package** – Support for publishing sophisticated mathematical expressions in a standards-based workflow.
- **Line Numbering Option** – Provides automatic line numbers on output of review versions to enable precise identification of author's edits and changes.

### AEROSPACE TECHNICAL DOCUMENTATION TEAMS

- **Lock and Key Workflow Coordinator** – Designed to control user access to content and style in large interactive workgroups with dynamically changing roles.

### FINANCIAL PRINTERS

- **Mark Trace** – Extends XPP's powerful change tracking to enable the "layering" of edit sessions, providing the ability to roll back to previous stages in the life of the document.
- **Print Changed Pages** – Enables users to print out only the pages of a document that have changed since the previous review. Allows review teams to focus only on the areas of interest.
- **EDGAR Output Option** – Creates a formatted ASCII version of the latest typeset document, meeting the SEC requirements for filing.

### CATALOG PUBLISHERS

- **XyUpdate** – Provides the ability to update marked fields in a document with the latest information fed from a database.

### LEGAL, JOURNAL AND NEWSLETTER PUBLISHERS

- **Magazine and Newsletter Layout** – Enables the use of "stories" that continue on subsequent pages. Designed for an interactive workflow. Especially valuable for short, regular publications like newsletters and bulletins.

## SUMMARY

XPP has been delivering proven, scalable solutions for multinational companies in publishing, technical documentation, financial, government, technology, aerospace and defense for over 20 years. Our customers use XPP to produce millions of pages per year, and a few are even producing upwards of millions of pages per quarter. XPP can be used as a standalone solution, or integrated with Contenta or other content management systems for a comprehensive, end-to-end XML publishing solution. It is a highly scalable, reliable and programmable software solution that has become the key component of some of the most sophisticated and high-production publishing systems in the world.

The logo for XyEnterprise, featuring a stylized 'X' icon followed by the text 'XyEnterprise' in a serif font.

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