

## Bitstream TrueDoc Imaging Technology

- Comprehensive Font Imaging Technology for Electronic Documents and Printer Implementations
- Works With All Outline Font Technologies, Encoding Schemes, and Languages
- Compact and Extremely Fast:
  - Character Shape Recorder: 45K Code Size, 80 Characters per Second
  - Character Shape Player: 35K Code Size, 350 Characters per Second
- Provided as C Source Code, Windows .DLLs, and Macintosh Libraries

Bitstream\* TrueDoc\* is an OEM software development kit (SDK) that solves font portability and compression problems in electronic documents and printer controllers. TrueDoc provides OEMs and ISVs with a complete font subsystem that delivers 100% font fidelity on all platforms along with industry-leading levels of font data compression, performance and typographic quality in all implementations.

TrueDoc supports all the major outline font technology standards (TrueType, PostScript, etc.), all character encoding schemes (including Unicode), and all languages (including double-byte languages such as Kanji & Chinese).

TrueDoc consists of two major component parts: the Character Shape Recorder (CSR) and the Character Shape Player (CSP). The Character Shape Recorder processes source font character shapes,

compresses the data, adds typographic hints for optimal output quality on low resolution devices, and stores the resulting data in an ultra-compressed Portable Font Resource (PFR). The Character Shape Player processes the data from the PFR and recreates the character shapes with 100% fidelity at the imaging end. The CSP outputs the characters at the optimal resolution for the device (screen or printer). Using the optional Reconstitution Modules, the CSP can create TrueType or PostScript\* outlines, or HP SoftFont format bitmaps for optimum printing performance on specific printers/imagesetters. TrueDoc also provides an anti-aliasing output option for increase screen legibility performance.

For printer OEMs, the 4-in-1 TrueDoc Printing System incorporates TrueDoc Imaging Technology into Bitstream's popular 4-in-1 modular multiple font processing solution. Adding TrueDoc to 4-in-1 increases processing speed by over 30% over the previous version and provides a much more compact solution – with all of Bitstream's font processing code, its resident font suites, and the controller code fitting onto a 2MB ROM chip.

TrueDoc is supplied to OEMs and ISVs as either ANSI C source code, Windows .DLLs or Macintosh Libraries. Extensive documentation is provided.

### CONTACT:

Corporate Headquarters:

Bitstream Inc.

OEM Sales

215 First Street

Cambridge, MA 02142

Phone: (617) 497-6222

FAX: (617) 868-0784

e-mail: [sales@bitstream.com](mailto:sales@bitstream.com)

internet: <http://www.bitstream.com>

For international contacts see Appendix B.

