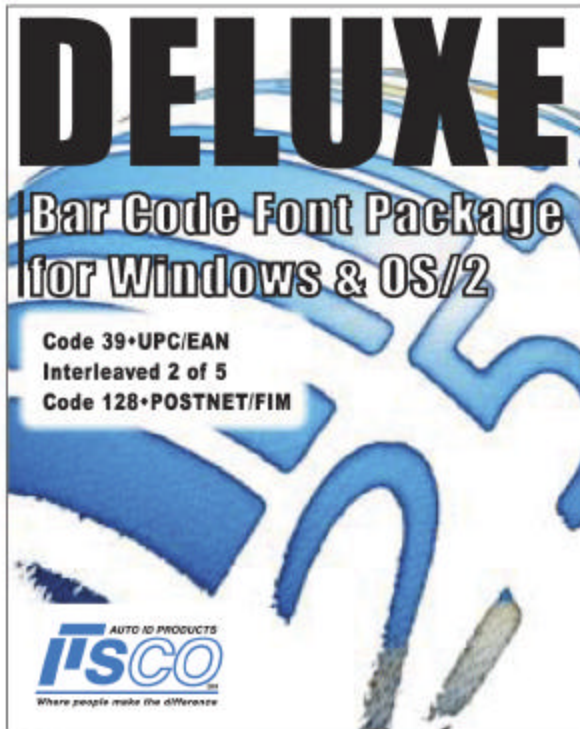


ITSCO Deluxe

Bar Code Font for Windows™ and OS/2®



Now you can create bar codes on any PC running Windows or OS/2 and print those bar codes on labels, insert them into graphic files, or place them in Word documents. With ITSCO's Deluxe Bar Code Font Software Package, all you have to do is keyboard the data you want to scan—a part number, document code, name, or date—and the ITSCO Font Utility automatically converts that data into a scannable bar code in any one of four popular symbologies—Code 39, UPC/EAN, Interleaved 2 of 5, or Code 128. FIM and POSTNET fonts are also included for mailing applications.

If you want to implement an inventory, document tracking, or keyless data entry system, Code 39 may be the right choice for you. For a retail scanning system, UPC/EAN is best. Code 128 was introduced in 1981 in response to the need for a compact alphanumeric bar code symbol. Industrial inventory tracking or warehousing applications are best served by Interleaved 2 of 5. And for mailing purposes, the Facing Identification Mark (FIM) is used by the Postal Service in the automated sorting of Business Reply Mail, while POSTNET is a machine-readable version of the ZIP+4.

Both PostScript® and TrueType® fonts provided.

ITSCO's Deluxe Bar Code Font Software Package includes both TrueType and PostScript versions of each symbology. A TrueType font can be printed on any printer. The PostScript font is the graphic page description language developed by Adobe Systems and used by many laser printers and imagesetters, including the Hewlett-Packard LaserJet PostScript series, Apple LaserWriter, NEC SilentWriter, and other postscript printers. (If you plan to use the PostScript version of a particular font, you must have Adobe® Type Manager™ installed and running under Windows.)

The ITSCO Font Utility makes conversion easy.

In order to transform numeric or alphanumeric data into a scannable bar code, that data must first be converted to a special coded format. The ITSCO Font Utility, included with every ITSCO Bar Code Font Software package, enables you to enter text or numbers (as appropriate) via the keyboard and automatically convert these to bar codes which can be pasted into an application program (such as Microsoft® Word or WordPerfect®) and printed. You don't need a graphics program!

A wide range of sizes and densities.

ITSCO Bar Code Fonts come in a selection of point sizes and, where appropriate, densities. Choosing a larger point size results in a taller (but not wider) bar code. Choosing a higher density results in a narrower bar code which can be printed in a smaller space. All variations are displayed in the font menu of your application program for ease of selection.

User-friendly manuals.

The instruction manual included with ITSCO's Deluxe Bar Code Font Software Package is written with the lay user in mind. Clear and concise, it explains everything you need to know to install, create, and print your own bar codes. Illustrations and examples are provided throughout. And the relatively low price of ITSCO Bar Code Font Software makes it an economical alternative to dedicated bar code printing equipment.

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A bar code is the representation of information in alternating vertical black bars and white spaces. These patterns can represent numbers, letters or other characters. The bar code can be read, decoded, and entered into a computer using a bar code scanner.



Code 39 (or "Code 3 of 9") uses 9 elements (5 bars and 4 spaces) to define each character. Each bar code message is preceded by a START character and followed by a STOP character. A "quiet zone" or blank space of at least 1/8", must be provided on both sides of the message.



UPC-A, the most widely-used version of the UPC bar code, is made up of 12 digits (11 plus a check digit), divided into two halves by tall center guard bars. The code is preceded by a left-hand guard bar pattern and followed by a right-hand guard bar pattern. A human-readable number is printed directly beneath each of the bar code characters in positions 2 - 11.



An Interleaved 2 of 5 bar code is made up of a series of narrow and wide elements (bars and spaces). The first digit is encoded by the first five bars of the bar code. Two of these five bars are wide, three are narrow, thus the name "2 of 5".



Code 128 (for the 128 ASCII characters) consists of a leading quiet zone, a start code, data, a check digit, a stop code and a trailing quiet zone. The quiet zone is a blank (usually white) area that should be at least 10 times the width of the narrowest bar.



The FIM bar code is a 9-position, bar/no bar pattern. Various FIM patterns contain five bars with four spaces, six bars with three spaces, and seven bars with two spaces.



The ZIP+4 POSTNET bar code encodes a nine-digit ZIP code, plus an error detection digit, a start bar, and end bar. Five bars are used to code each digit. Therefore, a total of 52 bars are required to code each nine-digit ZIP Code: five for each of the ZIP Code digits, five for the error check digit, and two for the start/end bars.

Compatibility

ITSCO Bar Code Fonts are designed to work with Windows and OS/2 application software programs.

Use ITSCO fonts to insert bar codes into graphics and layout programs such as Illustrator®, FreeHand®, PageMaker®, QuarkXPress®, Photoshop®, or Ventura Publisher.

ITSCO Fonts also work with such popular word processing programs as Microsoft Word, WordPerfect, and WordPro™. Use these programs, or FileMaker® Pro (for Windows) or DeScribe® (for OS/2) to create bar coded labels.

Data to be converted to bar codes can be imported from database and spreadsheet programs like Access®, Paradox®, FoxPro®, Excel, and Lotus™ 1-2-3™.

System Requirements

- Microsoft Windows 3.1 or higher, 95, 98, Me, 2000, or NT 3.51 or higher.
- IBM-compatible personal computer, monochrome or color monitor, printer, and mouse.
- Adobe Type Manager® (required for use with PostScript fonts only).

Components of a Bar Code System

ITSCO Bar Code Font Software is the cornerstone of a complete system for the printing and scanning of bar codes. The following components are necessary:

1. An IBM/PC or compatible running Windows 3.1 or higher, 95, 98, Me, 2000, or NT 3.51 or higher.
2. Adobe Type Manager (required for use with the PostScript font only).
3. One or more ITSCO font programs.
4. The ITSCO Bar Code Font Utility (which is included with every ITSCO font package).
5. An application program such as a word processor (like Microsoft Word or WordPerfect), a label program, drawing program, page layout program, database, or spreadsheet program.
6. One of the following Windows-supported printers: a 9-pin or 24-pin dot matrix printer, an inkjet printer, a laser printer (with or without PostScript), or a high-resolution PostScript imagesetter.
7. A bar code reader attached to the PC or a portable data terminal.

