

# SuperSMITH Software Package

Order your software and books by [email](#), FAX (1-281-852-3749), Phone (1-281-852-6810) or by snail mail (Paul Barringer, Barringer & Associates, Inc., P.O. Box 3985, Humble, TX 77347-3985, USA).

[Software prices](#) for individual copies of software or for the SuperSMITH bundles, which are compliant with [Section 508 of the Rehabilitation Act of 1973](#), are shown below. Use of the software on LANs is also described [below](#).

(a)	(b)	(c)	(d)	(e)	(f)
<b>CD Quantity or # of LAN Terminals</b>	<b>% of Base Cost</b>	<small>[Software only]</small> <b>SuperSMITH version 5.0 BD</b> includes <a href="#">SuperSMITH Weibull</a> + <a href="#">SuperSMITH Visual</a> + <a href="#">YBATH</a>  <small>[Software only]</small>	<small>[Software + Paper]</small> <b>SuperSMITH version 5.0 BD</b> includes <a href="#">SuperSMITH Weibull</a> + <a href="#">SuperSMITH Visual</a> + <a href="#">YBATH</a> + <a href="#">New Weibull Handbook</a> + <a href="#">PlayTIME</a> For <a href="#">SuperSMITH</a> <small>[Software + Paper]</small>	<b>PlayTIME for SuperSMITH</b>  a SuperSMITH software tutorial for home study with practice datasets	<b>The New Weibull Handbook 5<sup>th</sup> edition</b> by Dr. Robert B. Abernethy  ISBN: 0-9653062-3-2
1	100	<b>\$840</b>	<b>\$960</b>	\$48	<b>\$98</b>
2	90	<b>\$756</b>	<b>\$864</b>	\$48	<b>\$98</b>
3 – 6	80	<b>\$672</b>	<b>\$768</b>	\$48	<b>\$98</b>
7 – 19	70	<b>\$588</b>	<b>\$672</b>	\$48	<b>\$98</b>
20+	67	<b>\$562</b>	<b>\$644</b>	\$48	<b>\$98</b>

- Software upgrades to the current version are:  
 30% of (column c) for existing software less than 1 year old, or  
 50% of (column c) if existing software is more than one year old.
- Software annual maintenance agreements are available in [Section 7](#), Item 3
- Weibull/Visual/YBATH are no longer available as stand alone programs

**Add shipping and handling charges to the prices in the table:**

US \$30 handling charge for USA FEDEX second day delivery for the USA,

US \$50.00+ for FEDEX deliveries (**duties payable on receiving end**) for many sites outside of the USA although sum remote sites from the USA will incur extra handling charges.

For Texas shipments, add Texas sales tax of 7.25%.

Terms are **net 10 days** for purchase orders. American Express, MasterCard, and VISA credit cards accepted.

For demonstration versions of the software see [Section 1](#) below.

For site licenses and network server licenses see [Section 2](#) below.

For The New Weibull Handbook 5<sup>th</sup> edition see [Section 3](#) below.

For PlayTIME for SuperSMITH home study tutorial see [Section 4](#) below.

For more details on SuperSMITH Weibull see [Section 5](#) below.

For more details on SuperSMITH Visual see [Section 6](#) below.

For more details on quantity pricing with examples including maintenance agreements see [Section 7](#) below.

For details on running the SuperSMITH software on a MAC computer see [Section 8](#) below.

For printer details, copyright, and trademarks see [Section 9](#) below.

SuperSMITH™ is a bundled package of Windows programs from [Fulton Findings](#) for reliability and variability solutions on a personal computer at a discount price for: [SuperSMITH Weibull](#) (probability plots) [The Swedish name Waloddi Weibull is pronounced—

Swedish- **Wa-Loddi Vay-Bull**

Norwegian- **Wa-Loddi Vay-Bull**

German- **Vah-Lodi- Vy-Bull**

French- **Wah-Lodi Way-Bull**

Polish- **Vah-Lodi Vy-Bull**

American- **Wah-Low-D Y-Bull**

[SuperSMITH Visual](#) (reliability growth and other plots).

[The New Weibull Handbook](#) 5<sup>th</sup> edition by Dr. Robert B. Abernethy, and

[PlayTIME for SuperSMITH](#) computer tutorial with data sets.

Abbreviations sometimes used for products noted in the table are:----

SSW = [SuperSMITH Weibull](#) for Windows--the probability plotting software.

SSV = [SuperSMITH Visual](#) for Windows--the general curve fitting and plotting software.

NWH = [The New Weibull Handbook](#) (5<sup>th</sup> edition) by Dr. Robert B. Abernethy--the reference text for all the SuperSMITH software procedures.

PT = [PlayTIME for SuperSMITH](#) with data sets--the step-by-step tutorial for use of SSW and SSV

**SS** = SuperSMITH = SSW + SSV + YBATH + NWH + PT

See trademark and copyright notices at the bottom of this page.

**Section 1:** [Free Demo versions of SuperSMITH software for probability plots and Crow-AMSAA plots are available for no-cost download.](#) The demo software can be

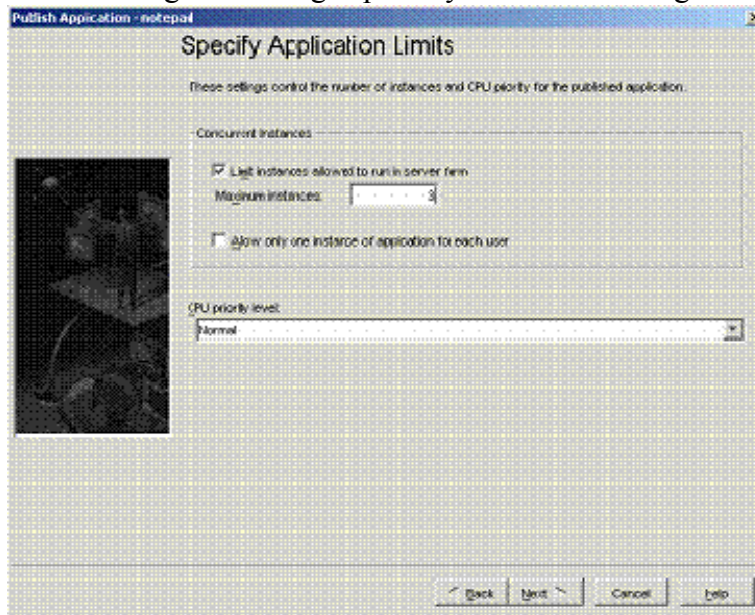
converted to working software by an electronic key for those who need immediate software upon receipt of credit card details for payment---so if you're in a hurry for software we can do it quickly. Want to know what changes have been made to the software?--download the demo and read the help file.

SuperSMITH performs all of the techniques covered in [The New Weibull Handbook](#). This standard for performing lifetime data analysis (called Weibull analysis) is used by thousands of company's worldwide. A [short tutorial](#) on how to use the software is available for download as a PDF file.

**Section 2: Site licenses or network server licenses pricing** is the same as quantity prices using simultaneous user quantity (terminals) instead of copy quantity. One copy of disk(s) is provided. *Purchaser's LAN Manager is responsible for limiting usage to quantity of licenses purchased.* Purchase quantity of 50 allows unlimited number of users. Use must be by purchaser's workers for purchaser's activities. Access may be local or remote. When purchasing Site or Network licenses, ask for an authorization letter for the LAN manger's authorization file. You can download a copy of the [software license agreement](#).

Some “license monitoring or metering software” which may be helpful for LAN mangers can be found at:

- [Citrix Systems](#) using [Metaframe XP](#) version or higher has a built-in License Meter Manager metering capability accessible through this dialog box:



- **Express Meter** <http://www.expressmetrix.com/products/em.asp>
- **Express Software Manager** <http://www.expressmetrix.com/products/esm.asp>
- **FLEXlm** <http://en.wikipedia.org/wiki/FLEXlm>
- **KeyServer** <http://www.sassafras.com/keyserver.html>
- **Microsoft Systems Management Server 2.0**  
<http://www.microsoft.com/catalog/display.asp?subid=22&site=650&x=42&y=7>
- **Sitekeeper** <http://www.execsoft.com/sitekeeper/sitekeeper.asp?ad=go?>
- **TTWeb** <http://www.ttwin.com/docs/ttweb.pdf>

Server/LAN Operation: Server/LAN use is completely acceptable given that the purchaser's network administration limits access to one simultaneous user per purchased copy of the software. The software reads information from the command line (can be different for each user) to assist LAN operation. Add "-cXXX" to the command line to store user-specific configuration files into path XXX. Add "-tYYY" for temporary file storage location as path YYY. Include a space between entries. Please see the HELP file in the software for more command line examples (search for **L.A.N** in the help file).

**Here is a worked-out, simple, example so that LAN managers can use as an installation template:**

1. My local computer is identified as *Dell3g*.

On *Dell3g*, I made a local subdirectory **C:\SMITHDAT**.

Store data files from SuperSMITH Weibull and SuperSMITH Visual into this subdirectory.

Also store the **SMITH.INI** configuration files into this location.

2. My server is identified as *Dellserver*.

The SuperSMITH Weibull executable is located on the server where it was installed from a CD into **D:\SMITHW**

During installation on the server, three Visual BASIC V6 custom control files were installed with OCX extensions.

Look in the server **Windows\System32** directory for these five files which must be copied and installed onto the local machines:

**COMDLG32.OCX**

**MSFLXGRD.OCX**

**PICCLP32.OCX**

**SPIN32.OCX**

**THREED32.OCX** ← If you don't install these five files into the

**Windows\System32** directory, the local machine will squawk!

The SuperSMITH Weibull executable is located at

**D:\SMITHW\SMITHW.EXE**.

3. On the local computer, *Dell3g*, right click the mouse on the desktop to create a new short cut.

The target address in the shortcut box is

**\\Dellserver\D\SMITHW\SMITHW.EXE -cC:\SMITHDAT**.

Name the shortcut icon **SSW**.

*Please note* the **-c** command following the **EXE** tells the program to store my *Dell3g*

configuration file in the subdirectory **C:\SMITHDAT**

4. Double click on the shortcut icon to wake up SuperSMITH Weibull for duty.

Verify the **C:\SMITHDAT** subdirectory contains configuration file

**SMITH.INI** to remember local settings for the software.

5. Create a new icon on your desktop for SuperSMITH Visual.

The target address is **\\Dellserver\D\SMITHW\SMITHV.EXE -cC:\SMITHDAT**.

Name the shortcut icon **SSV**.

6. Set up the metering software on the server such as Microsoft Systems Management Server 2.0

Limit the number of simultaneous users to the number of seats of software purchased. **←This is the LAN manager's responsibility.**


7. Tell your reliability engineers to go solve some problems that save money using the software as a tool.

**Special note for LAN mangers:** You **MUST** install the software directly on the server. If you install the software on another computer and then copy the directories to the server, you will miss some of the DLL/OCX files written to the Windows system directory---then the software will not function---thus install the software directly onto the server to avoid a common error.

Order SuperSMITH products by purchase order, credit card, or by sending a check to the address shown on the [home page](#) of this web site.

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**Section 3:** [The New Weibull Handbook](#)—5<sup>th</sup> edition published by  [Dr. Robert B. Abernethy](#) is also shipped with SuperSMITH software. Single copies of The New Weibull Handbook are available at \$98.00 plus shipping and handling. Dr. Abernethy's book shows how to use the software in solving practical problems. It contains step by step instructions for performing a Weibull analysis and related techniques such as forecasting failure quantity expected, WeiBayes comparison, substantiation test planning, least cost replacement interval, and related techniques, with several case studies for each method included. The New Weibull Handbook will help you solve your reliability problems using SuperSMITH software. [Click here for prices](#) of the SuperSMITH bundles and referenced in the NWH paperware.

Dr. Abernethy also offers [EagleEYE\(SM\)](#) service to quickly review your data, using concepts detailed in the handbook, and provide comments on what he observes in your data sets.

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**Section 4:** [PlayTIME for SuperSMITH](#) is published by  [Dr. Robert B. Abernethy](#) as a computer tutorial booklet with data diskette containing the tutorial data files. The tutorial provides keystroke details for solving problems using Fulton Findings software. The problems are derived from the Weibull Analysis classroom training programs with updates for illustrating software features. This tutorial will decrease the time required for mastering Weibull software

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**Section 5:** [SuperSMITH Weibull](#) makes probability plots, reliability calculations, and much more. SuperSMITH Weibull (SSW) software for Windows performs all of the Weibull techniques in the NWH. SSW contains results of independent research with several methods developed by Dr. Abernethy in cooperation with Fulton Findings. Many of these techniques are *not available elsewhere* such as likelihood ratio confidence, simplified design (set) comparison, Kaplan-Meier simulation and solution, critical correlation coefficient, sudden-death WeiBayes, parameter as a function of engineering variable, etc. SuperSMITH Weibull for Windows uses Weibull, Normal, Log-normal equations or Gumbel distributions and replaces DOS programs such as: WeibullSMITH (previously the leading Weibull analysis software), BiWeibullSMITH, and MonteCarloSMITH.

SSW can now analyze bi-Weibull data sets. Individual SSW software is no longer available as stand alone software.

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**Section 6:** [SuperSMITH Visual](#) makes Crow/Duane/AMSAA plots, optimum replacement plots, pdf plots, and much more. SuperSMITH Visual (SSV) software for Windows provides general scientific plotting. It includes Crow/AMSAA modeling for reliability growth analysis, probability density functions, cumulative distribution functions (regular scaling), likelihood contours, least-cost replacement intervals, failure forecasts, and histograms---all from SuperSMITH Weibull files. The likelihood contour comparison capability is *not available elsewhere*. The program also includes function plots, data transforms (global edit), and curve fitting as well as X-Y plots, bar charts, and pie graphs. Individual SSV software is no longer available as stand alone software.

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**Section 7:** Quantity prices and site licenses (see **Section 2** for site licenses monitoring software)--

- 1) Quantity prices are "adjusted unit prices" for quantity purchased.
- 2) Site license or network server pricing is the same as quantity prices using simultaneous user quantity (terminals) instead of copy quantity. One copy of disk(s) provided. Purchaser is responsible for limiting usage to quantity purchased. Purchase quantity of 50 allows unlimited number of users. Use must be by purchaser's workers for purchaser's activities. Access may be local or remote.
- 3) Maintenance for site license or network server includes upgrade to latest version at any time upon request while maintenance is funded. New version notification is on <http://www.weibullnews.com>. Maintenance cost is 30% of current purchase price payable at the beginning of each year funded.

4) Unauthorized copying of Fulton Findings or Bathtub Software is not allowed.

So, you've got three options for licenses: 1) Unlimited LAN use, 2) limited LAN use, or 3) multiple copies for individual PCs. Here are examples of the software costs for several cases:

**Example 1):** Unlimited LAN license for SuperSMITH software only at current US\$560 list price (the price for 50 copies = US\$562/each) for a total cost = US\$28,100 plus shipping and handling.

*Special note: copies of The New Weibull Handbook (US\$98/copy) and PlayTIME home study tutorial for SuperSMITH (US\$48/copy) are additional costs for unlimited LAN licenses—specify quantities required.*

**Example 2):** 10 users server license for SuperSMITH software at current US\$588 list price for software only (the price for 10 copies = US\$588/each) for a total cost = US\$5,880 plus shipping and handling.

*Special note: copies of The New Weibull Handbook (US\$98/copy) and PlayTIME home study tutorial for SuperSMITH (US\$48/copy) are additional costs for unlimited LAN licenses—specify quantities required.*

**Example 3):** 5 copies for installation on individual PCs of SuperSMITH with paperware at current US\$480 list price (adjust the price for 5 copies = US\$768/each) for a total cost = US\$3,840 plus shipping and handling.

Consider running 32-bit versions of [SuperSMITH Weibull](#) and [SuperSMITH Visual](#) on LANs using a network license

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**Section 8:** Want to run SuperSMITH software on your MAC operating system?

Microsoft's [Virtual PC for Mac](#) was the subject of The Mossberg Report in the Wall Street Journal on December 2003 at which time the product was reported from Connectix although [Microsoft acquired Connectix technology](#) in February 2003. You can also see a [demo of Virtual PC for MAC](#) software.

Users are reporting good success with [Parallels](#) software running on MAC's with Intel-based chips.

Others are using [VMware Fusion](#) running on a MAC with Intel-based chips?

Of course for all these virtual systems, you must also load a copy of Windows operating system (suggest you load Windows XP as it operates faster than Vista). Some report clipboard sharing issues for capturing and pasting screen grabs as the virtual clipboards are rather small.

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**Section 9:** General Information: SuperSMITH programs are Windows based programs. They run on standard PCs or standard PCs attached to LANs with operating systems of:  
Windows 2000+,  
Windows 2000+ servers,  
XP-Pro,  
VISTA, and  
Windows 7-32 and 64 bit platforms.

If you have doubts about the software performing on your system, download the [demo version](#) of the software, install it on your system and take it for a test drive.

Standard printers can be used such as Laserjet™ II and III and Laserjet 4, HGPL™, DeskJet™ 1200C using HGPL files, plotter drivers, and dot matrix printers use the GRAPHICS.COM utility from DOS 4.01+ . The programs are also mouse compatible and run on networks when the individual computer has at least the minimum main memory available.

Hardcopy outputs are available directly from the simple ASCII screen captures. Data can be input manually, imported from ASCII formats, or imported from columns in Excel \*.CSV formats.

**SuperSMITH Weibull, SuperSMITH Visual, SuperSmith, and Fulton Findings are trademarks belonging to Fulton Findings.**

**The New Weibull Handbook, and PlayTIME for SuperSMITH are copyrights belonging to Dr. Robert B. Abernethy.**

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**PC/XT/AT/PS2 are trademarks belonging to IBM, Inc. Excel and Windows are trademarks belonging to Microsoft Corporation.**

All prices are subject to change without notice. Shipping, handling, and duties are extras.

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