



FLEXIBILITY FOR THE FUTURE

Stand alone or Network solutions

You can run your SPC-Light™ application on a single PC or across a Local Area Network (LAN).

Simply expand the network as your requirements grow. For those harsher environments you can include our Exodus data collectors.

SPC-Light™ and Exodus will operate on any network supported by Microsoft Windows.



RS232 : -----
LAN : -----



Quality improvement begins with process improvement

Monitor your processes with SPC-Light™

Software options

SPC-Light™ provides a set of modules that allows you to purchase only the components that you require. If your requirements change simply buy the relevant add-on.

Part Number	Keyboard Entry	Gauge/MUX Interfacing	Variable Analysis	Attribute Analysis	Short Run	Gauge R&R
SPC - PVK	✓	✗	✓	✗	✗	✗
SPC - PBK	✓	✗	✓	✓	✗	✗
SPC - PVG	✓	✓	✓	✗	✗	✗
SPC - PBG	✓	✓	✓	✓	✗	✗
SPC - ???S (1)					✓	
SPC - ???R (2)						✓

(1) For Short Run add "S" to the Part Number. Short Run only applies to Variable Data
(2) For Gauge R&R add "R" to the Part Number.

System requirements

- IBM Compatible PC
- PII-300 MHz (or equivalent processor) or higher
- SVGA monitor or better
- Windows 95, 98, ME, NT or Windows 2000
- 16 MB RAM (for Win95, 98 and ME)
- 64 MB RAM (for WinNT and 2000)
- Suitable Pointing Device (Mouse or Trackball etc)

SPC techniques

SPC-Light™ supports a wide variety of SPC techniques and also allows calculation styles to be selected to accommodate standards such as Ford, CNOMO, AIAG etc. For those more demanding applications the system administrator can create or edit their own specific calculation style.

Variable Charts	Attribute Charts	Short Run Charts
Xbar-R	Np	Nominal X Moving R
Xbar-S	P	Nominal X Moving S
Run Charts	C	Nominal Moving XR
Machine Capability	U	Nominal Moving XS
Individual X, Moving R	Pareto	Nominal XR
Moving XR	Weighted Pareto	Short Run X Moving R
Individual X, Moving S		Short Run X Moving S
Moving XS		Short Run Moving XR
CUSUM		Short Run Moving XS
Exponentially Weighted Moving Average (EWMA)		Short Run XR
Distribution fitting		Short Run XS
Probability Plots		Target X Moving R
X Scatter		Target X Moving S
Scatter charts / Regression analysis		Target Moving XR
Process Capability Overview charts		Target Moving XS
		Target XR
		Target XS
		Group Chart

Languages supported



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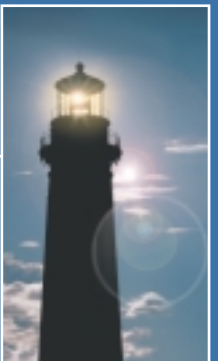
Buchan Hill, Pease Pottage, Crawley,
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Distributor:

L I G H T H O U S E S Y S T E M S L T D

Collect and analyse data easily so that you can take control of your processes. SPC-Light™ has been implemented in a wide variety of manufacturing industries, from automotive to electronic and from steel to glass. Generate reports to monitor performance and achieve sustainable improvements in quality and profitability.



simple configuration and set-up....

clear presentation, powerful analysis

Simple configuration...

SPC-Light™ is easy to learn; it's intuitive, it's quick to work with as the frequent tasks that you perform can be defined as the system defaults. SPC programs and measurement routines can be quickly created and easily modified with password privileges. Most users are up and running within just a few hours following the easy installation!

With all this simplicity you would be forgiven for thinking SPC-Light™ is a basic (or LITE!) product – far from it...

The art is to provide a tool that can be adapted for a wide range of users from first time PC users to power users who expect the very best.

SPC-Light™ provides limitless permutations of logon accounts with each user account having the ability to have unique menu and toolbar configurations.

Powerful data collection...

Flexible data collection is one of the key factors if SPC is to become successful in your organisation. Unless you are using SPC-Light™ exclusively in the office environment it is likely that you will have a huge and complex array of measuring systems that you would like to interface.

From the conventional hand tool to the most sophisticated CMM, SPC-Light™ has the engine to cope! Measuring tools can either be connected directly to any of the available COM ports on the PC, through a multiplexer or through our range of Exodus data collectors.

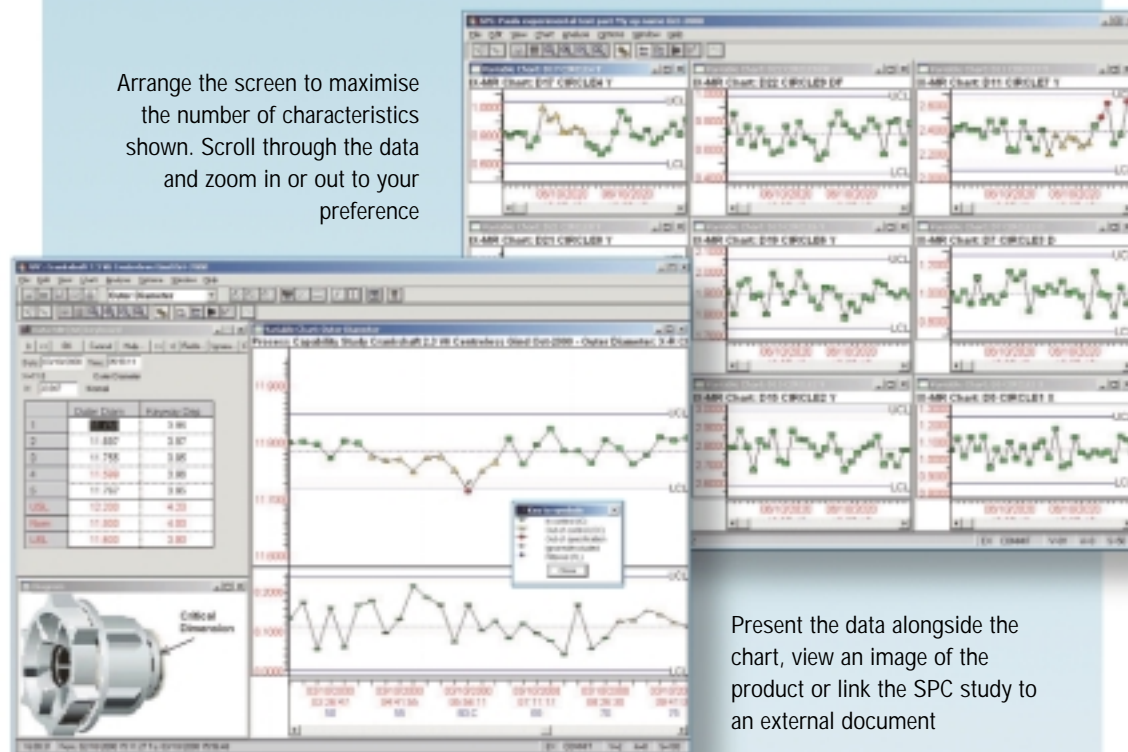
SPC-Light™ is so sophisticated that in many cases a CMM output file can automatically create the SPC-Light™ program for you – this not only gets the job done a lot faster but it ensures the two systems remain synchronised.



Clear presentation...

To get the best acceptance on the shopfloor you need to present the information in a format that operators can easily interpret.

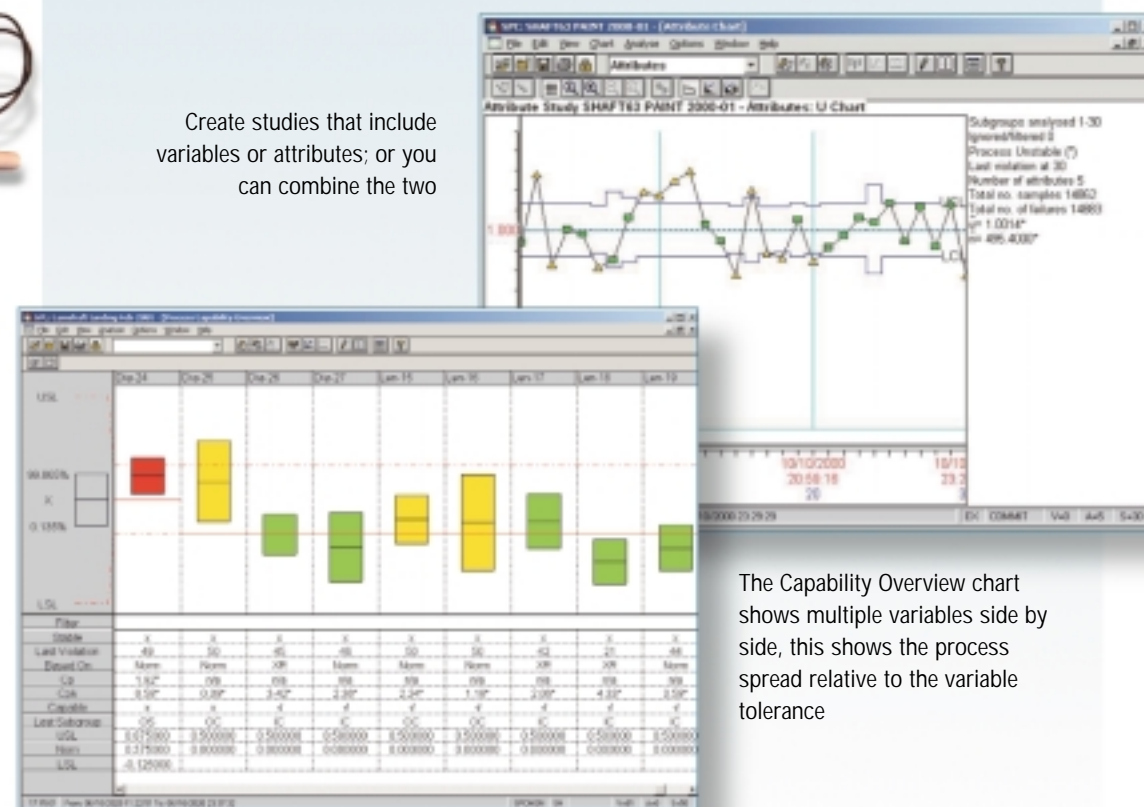
Arrange the screen to maximise the number of characteristics shown. Scroll through the data and zoom in or out to your preference



Present the data alongside the chart, view an image of the product or link the SPC study to an external document

Often, for shopfloor use the screens are locked into position. This ensures that users always view the data in a consistent and familiar way, it also prevents unauthorised users from experimenting with settings and accidentally getting themselves into difficulties.

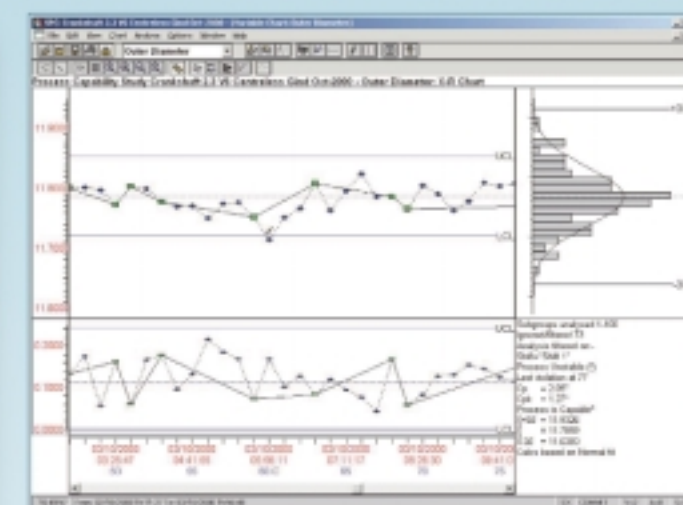
Create studies that include variables or attributes; or you can combine the two



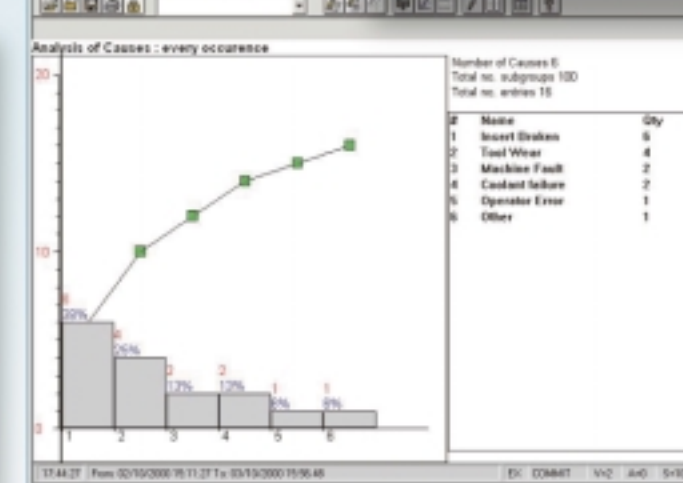
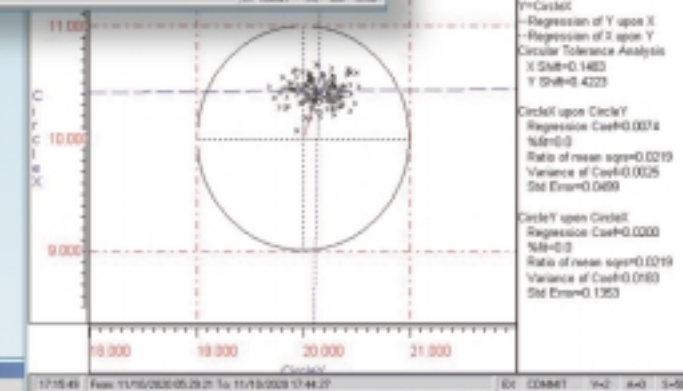
The Capability Overview chart shows multiple variables side by side, this shows the process spread relative to the variable tolerance

Powerful analysis...

Process improvement can only come about if you are able to understand the factors that effect performance.

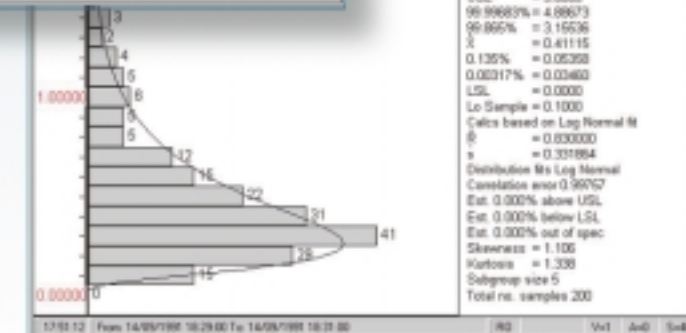


Analyse the position of bores and holes by plotting the CircleX against CircleY, then establish how much to move the fixture in X and Y to optimise the process



Produce a Pareto of Causes & Actions to determine the most common faults occurring during production – focus on the common problems

Allow SPC-Light™ to automatically test the distribution for normality and provide accurate capability indices



Ever wondered how the process performs by shift, tool, material supplier etc. Using the powerful filtering you can now produce capability reports by any criteria