

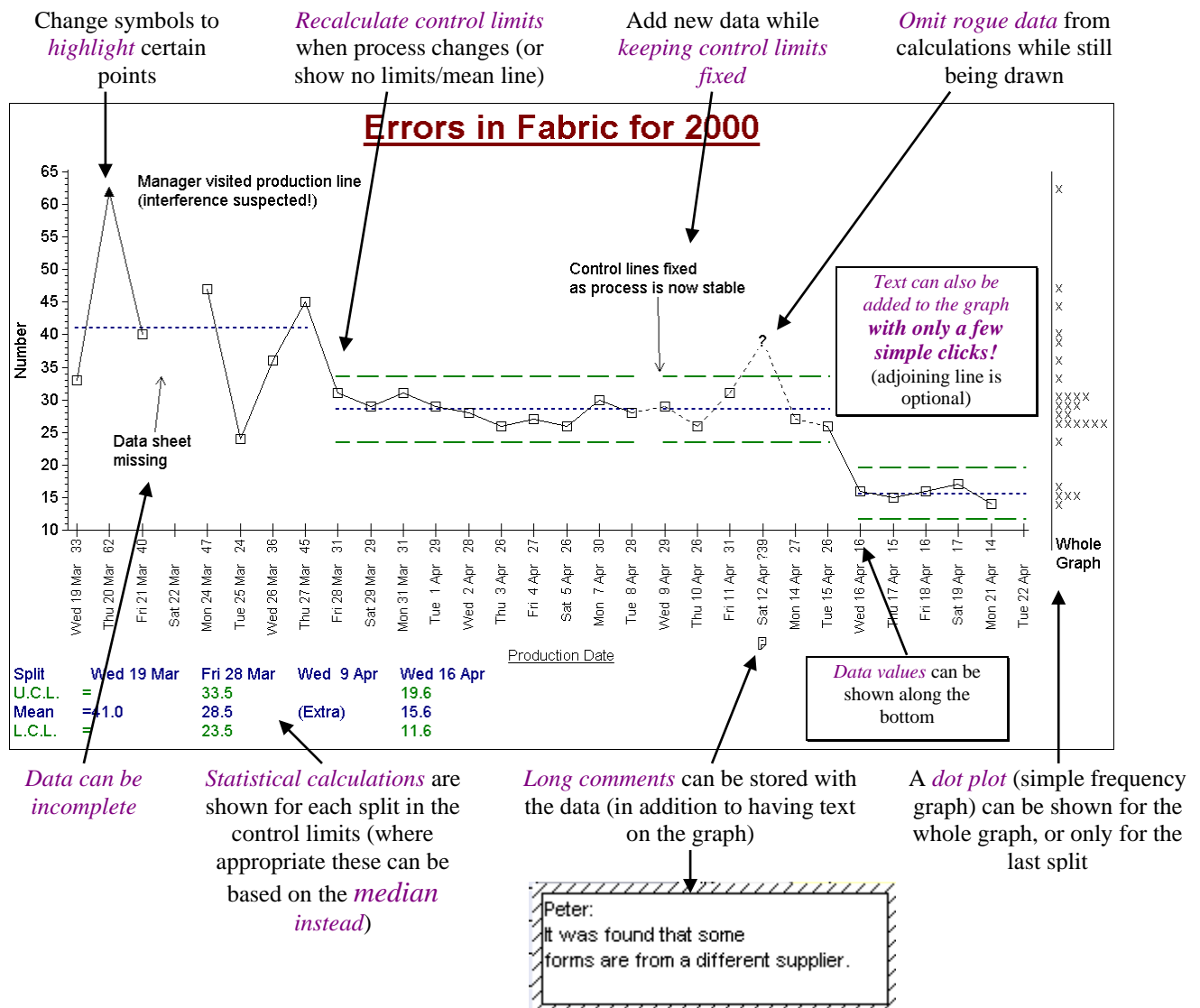


Presenting **WinChart** Version 4.0

Standard and Professional

The Popular easy-to-use software for Statistical Process Control

WinChart has been tailored specifically for Statistical Process Control, with more advanced features available in the Professional edition described overleaf.



WinChart can also **diagnose** your control charts, looking for special cause variation: consecutive points above/below mean line and points out of control. (The Professional edition can also look for extra features, e.g. zigzagging, trends, etc.)

- ✓ **WinChart®** can produce **control charts for different types of data**:
 - **Single Measurements (XmR) Charts** (with Moving Ranges)
 - **Subgroup (X-bar R) Charts**
 - **Defects Charts** for fixed or variable intervals (c-, u- Charts)
 - **Defectives Charts** for fixed or variable intervals (np-, p- Charts)

Additionally,

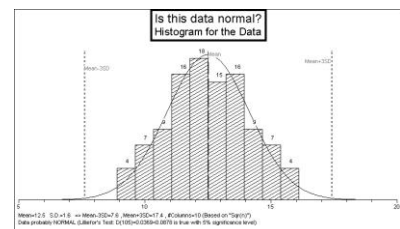
- The Single Measurements & Moving Ranges or Means & Ranges Charts can be viewed together, one above the other
 - **p-** and **u-** Charts can also have “wavy” limits (i.e. the control limits for each point depend on its sample size)
- ✓ **WinChart** can not only **import** data from Excel/Access databases — other formats can usually be supported as well on request — but also **check automatically if more data has been added!** (Other formatting can also be read.)
 - ✓ **Print up to 16 charts** on a single sheet of paper!
 - ✓ If there are a large number of points then the chart can be **displayed in two or more sections** for easier viewing without affecting the statistical calculations (e.g. if you had 300 points then the chart could be displayed in 3 parts with 100 points in each).
 - ✓ In **WinChart** all the calculations are based on **Dr Walter Shewhart’s original principles** – unlike some SPC software!
 - ✓ **WinChart** includes a **Web Builder** to allow the charts to be viewed in Internet Explorer (or similar web browser).

Features for the Professional Edition only

These additional features are generally only intended for use by those who know Statistical Process Control well and who will not be tempted to “misinterpret” or “misuse” them!

- ✓ **WinChart Pro** also has these **additional control charts or features**:
 - **Trend limits** for either Single Measurement or Subgroup Charts
 - **Standard Deviations Chart** (for subgroup data)
 - **CuSum (Cumulative Sum) Charts**

- ✓ **WinChart Pro** can draw a **histogram** of the control chart — with the option to superimpose a normal curve on it and perform a **statistical test for normality** (for Subgroup Charts you can draw a histogram of the data as well):



- ✓ **Capability indices** (C_p , C_{pk} , Z-Factor, and percentage out of tolerance) can be calculated for Single Measurement and Subgroup Charts, with the tolerances being changed at any time.
- ✓ A **Scatter Plot** can be drawn for two data sets, and the **graphs of multiple data sets** can be **superimposed** upon each other for comparison.
- ✓ User defined **Reference Lines** can be shown on the chart for your own use.