

SYNERGY 1000™

input
analyze

chart

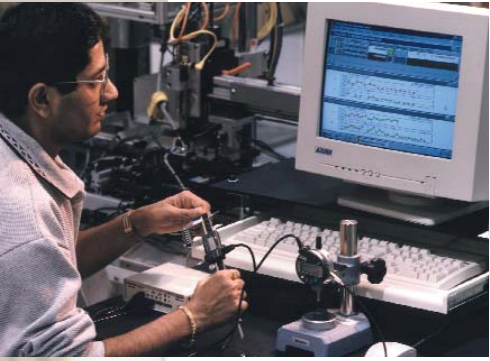
monitor
communicate

report



Synergy 1000: The SPC leader for performance, flexibility and results

Synergy 1000™ SPC software gives you unprecedented SPC capabilities for standalone or network implementation at an amazingly affordable price.



More than just a data entry and charting tool, Synergy 1000 is a complete real-time system that combines data collection, charting, monitoring, analysis, messaging and reporting – all on a single, customizable screen. We've also included Gage R&R, intercharacteristic math calculations and short run as standard features – not extra-cost add-on modules.

Create files, enter data, display charts and generate reports as fast as you can click a mouse. No feature is more than one click away! Charts update as data flows in, while color-coded status flags

visually alert users of changing specification and control conditions. Synergy 1000 sends automatic e-mail alerts for out-of-control and out-of-specification conditions to designated recipients' PCs, smartphones or other wireless mobile devices. The application can e-mail SPC charts and reports, too!



Synergy 1000 isn't just about dimensional characteristics. It's also designed with robust capabilities for inspection data as well including standard attribute, DPMO, real-time Pareto analyses on attribute data and composite Pareto charts.

With Synergy 1000, you can perform highly refined queries on historical data. Customized reports can contain up to eight SPC charts per page. Access part drawings and work instructions without leaving the program.

For automated data entry, gages and direct input devices are quickly connected using the built-in COM port utility. Data is saved immediately when entered to guard against accidental data loss.

Designed for real-world production environments, Synergy 1000 can:

- Reduce scrap, rework, material waste and returned goods
- Improve manufacturing productivity
- Achieve detailed traceability records and audit trails for contract compliance, ISO, QS and TS certification
- Compress the timeframe for launching new products
- Deliver unprecedented levels of customer service
- Increase corporate profitability

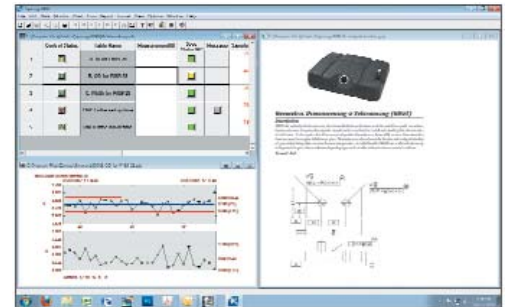
When it comes to power, flexibility and ease of use, Synergy 1000 is unsurpassed.

Industrial leaders choose Zontec

3M	Freudenberg NOK	PepsiAmericas
Abbott Laboratories	Fujifilm Dimatix	Petroleum Authority of Thailand
Akebono Brake	General Dynamics	Precision Edge Surgical Products
Anchor Packaging	Gerber Products	Printpack Inc.
Berry Plastics	Glad Products Co.	Rexnord
Brita	Halla Climate Control Canada	Ridge Tool
Campbell Soup Supply Co.	Hidden Valley Ranch	Square D
Carus Chemical Co.	Kingsford Products	Sun Hydraulics
Cessna Aircraft	Lighthouse Foods	TDK Fujitsu
Clorox	Lockheed Martin	Teel Plastics
ConocoPhillips	LUK	Visteon
Cooper Standard Automotive	Meritor Suspension Systems	Wm. Wrigley Jr. Co. – Shanghai
CR Bard	Oregon Freeze Dry	
Federal Mogul	Palmetto Brick	

General Features

- Windows 7 compatibility
- Simple template setup for creating part/process files with up to 500 characteristics
- Simultaneous viewing of multiple charts, Data Tables, program worksheets
- Real-time visual status flags for control, specification conditions
- E-mail notification for out-of-control and out-of-specification conditions
- Customizable screen displays
- Integrated messaging system with Message Log for communicating on-line to all users
- Immediate on-line access to work instructions, text, PDF and Word documents, BMP, JPG images, web-sites and software applications
- Define Keyword function
- HTML Help



Data Acquisition & Management

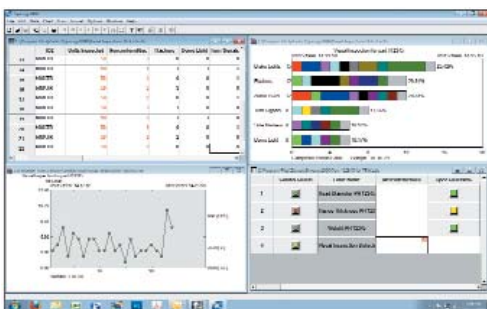
- Data automatically saved when entered to guard against accidental data loss
- Automatic date/time stamping
- Data entry via keyboard, asynchronous RS-232 gages, USB devices or other software applications
- On-screen data entry and charting without switching to separate program modes
- Unlimited Data Tables (characteristic files)
- Unlimited Data Banks (process files)
- Data Banks capable of combining variable, attribute and Pareto data
- Data Bank Map
- Sample sizes n = 1 to 25
- Up to 12 ID fields with customizable ID column labels
- Out-of-control popup window
- Auto ID



- ID and coded notes templates
- Hands-free data collection from gages, scales, CMMs, optical comparators, bar code readers
- Multiple gage input
- Gage R&R with scheduling feature
- COM Port Interface for testing gage connections
- Channel number support for COM settings
- Single mode math calculator for average, max, min, TIR and true position with "remember" feature
- Up to 2 Notes columns for logging corrective actions
- Coded notes minimizes keystroking
- Auto Notes prompts user for input at out-of-control condition
- Out-of-specification popup warning
- Gates for reasonable limits on variable Data Tables
- Data entry from Data Bank Worksheet or Data Table Spreadsheet
- Variable data input one characteristic at a time or by complete subgroups
- Withholding of sample(s) from control limit calculation
- Easy Data Entry feature for novice computer users
- Data markers for referencing notes/assignable causes/corrective actions on control charts
- Data Log for tracking changes and deletions to data
- Template for Data Bank and Data Table setup
- Merge and Trim data files
- Data Table relinking utility
- Copy/paste function to and from other Windows applications

Charting

- Variable charts: Xbar & R, Xbar & S, Median & R, X & Moving R
- Rainbow control chart
- Run chart



- Overlay run chart
- High/low run chart
- Vertical and horizontal histograms with curve fittings
- Attribute charts: p, np, c, u, DPMO
- Pareto, composite Pareto and Notes Pareto
- Six Sigma Capability for Cp, Cpk, Pp, Ppk with distribution curve
- Moving average moving range chart
- Overlay chart
- 3 chart
- Nominals chart for short-run data
- Charts update instantly – no time delay
- Chart viewing individually or in unlimited combination
- Charting on a range of data
- Chart scrolling
- Clickable data points
- Y-axis scaling option
- Fonts, sizes and colors easily changed
- Data point sizing controls
- "Send to e-mail" command for charts

Calculation & Analysis

- Non-normal data analysis utilizing Johnson and Lognormal distribution analysis models
- Estimated or calculated sigma for control limit and process capability calculation
- Historical analysis or charting on entire data set
- Control limit calculation on three ranges of data, depicted graphically on control charts
- Control limit calculations for multiple Data Tables
- Query feature to search data by ID fields, notes fields, date and/or time
- Full charting capabilities on query results
- Query results saveable as new Data Table
- Gage R&R charts: Repeatability range, Part operator average, Part operator plot
- Short run
- Capability studies providing Calculated Capability (n or n-1), Estimated Capability with or without Calculated Range
- Unilateral or bilateral specifications defined and charted
- Real-time Notes Pareto

- Pareto analysis on attribute data with up to 100 categories per Data Table
- Change Sample Size function
- Change sample values with or without affecting date and time of entry
- Real time instantaneous trend analysis
- Modifiable specification trend settings
- Decimal place definition



Reporting

- Custom configurable report layouts with 1-8 charts/spreadsheets per page
- Reports by characteristic or multiple characteristics
- Reports automatically update with latest data input
- Certificate of Analysis Report
- Web-enabled reports and spreadsheets
- "Send to e-mail" command for reports
- Print preview
- Comprehensive traceability/audit trail for ISO, QS and TS certification
- One-click Process Information Report
- Queue function for printing report groups

System Requirements

For standalone users:

- PC with Athlon™, Duron™, K6™, Celeron®, Pentium® II, III or 4 processor or better
- At least 1GB RAM
- SVGA monitor or better
- CD-ROM drive
- Windows® XP, Vista or Windows 7
- Optional: gaging devices

Plus for network users:

- Pentium-based server rated at 550MHz or higher
- Windows 2003 server or higher



Meet the other products in the Zontec SPC software series

- Synergy 3000 Global Supply Chain SPC Suite for Windows and the Web
- Synergy 2000™ Operator, Engineer, Manager Enterprise SPC Suite
- S2K DLL Data Interface Toolkit
- Data Link (for CMMs, PLCs, etc.)
- Multi-function Toolbox

Value-Added Zontec

- Technical Support Hotline
- Education Center Training
- Customer Site Training
- Web-based Training
- Software Customization Services
- Service Agreement Support & Software Update Plan
- Publisher of *The Book of Statistical Process Control*



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