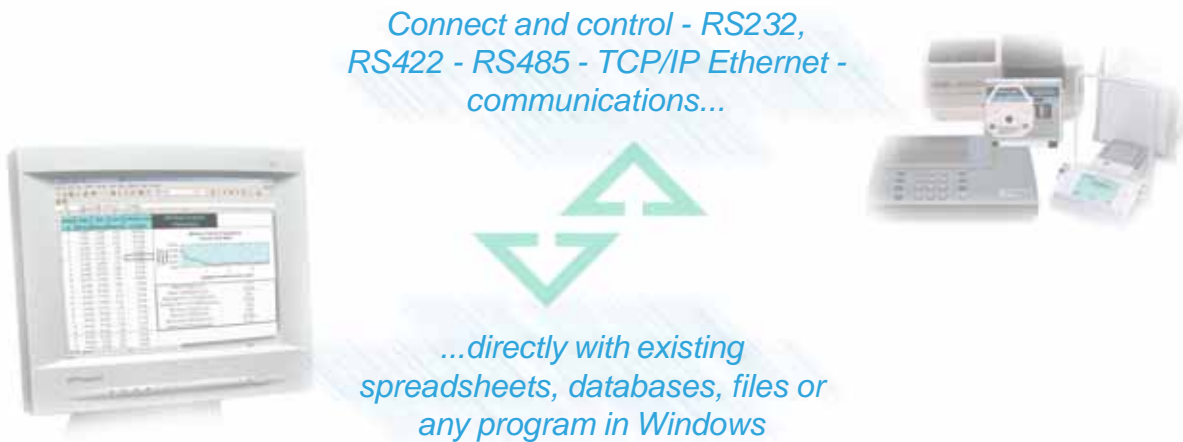




## Data Acquisition, Integration & Control Software

*For RS232-Serial and TCP/IP Ethernet Device Data Connection Automations*



*Powerful, highly configurable, and yet, incredibly easy to use software application that provides a direct connection between instruments and devices with Serial RS232, or TCP Ethernet ports and any Windows® system application that require their results. Devices with RS422, RS485, or Analog outputs are easily connected through the use of simple converters.*

### Automation Capabilities

From a single instrument or device connection to simultaneous multi-instrument interfaces that multi-task with automated decision-making, the Collect software enables its user's to significantly improve their automation capabilities. Collect is intended for users that want to provide more automation to existing applications or replace antiquated, inflexible software with a system to can be tailored to their specific needs.

## Pre-configured Method Library Installed

Over 20 Pre-configured ready to use Methods installed out-of-the-box to automate:

- Weighing applications
- Electrochemistry
- Photometry
- Label and Barcode creation
- Pipette Calibration
- Vital Sign Monitor Interface
- Multi-Instrument Interfaces
- Interface Methods with User Prompts

...plus many more

Methods are setup to use Labtronics created Excel® Templates with macros to:

- Graph real-time data and re-scales the X and Y axes by number of data points and their range
- Include statistical calculations and limit checking for various analyses and tests.
- Zoom or modify the windows' width and height
- 'Save As Now' function to automatically save the workbook with the a Method name, Date and Time as the file name to any location on the computer or network.

All Methods are completely re-configurable to add more interfaces, different calculations, user prompts, sound alarms and much, much more.

New Methods are easily created from scratch and added to the Method list displayed in Collect's main screen or modify the included methods to meet any other additional business requirement.

## Connect any Instrument or Device

Eliminate manual data entry and costly errors through interfacing. Using the advanced automation capabilities users can further improve their applications and operator productivity.

 scanners	<b>Analytical Lab Equipment</b>	<b>Communications</b>
 weighing	Photometry	• Phones
 chemistry	• Atomic Absorption	• PBX Systems
 samplers	• Spectrophotometers	• GPS
 photometry	• Colorimeters	• Sonar
 measuring	• Plate Readers	• Security Systems
 force	• PCRs	<b>Identification</b>
 sales	• Refractometers	• Barcode Scanners
 location	Electrochemistry	• Magnetic Stripe recorder
 health	• pH meters	• RFID Readers
	• Dissolved O2 meters	• Biometric ID Scanners
	• Ion meters	<b>Clinical/Medical</b>
	• Conductivity meters	• Analyzers
	• Titrators	• Vital Signs Monitors
	• Karl Fisher	• Point of Care (POC)
	Weighing/Force	<b>Retail</b>
	• Balances/Scales	• Cash Machines
	• Moisture Analyzers	• Scanners
	• Fat Analyzers	• Point of Sale (POS)
	• Force Gauges	<b>Plus...</b>
	• Tensile Testers	• Fridges/Freezers
	• Hardness Testers	• Thermometers
	<b>Production - Industrial Equipment</b>	• Barometers
	• Scales	• Hygrometers
	• Check weighers	• Pressure gauges
	• Counters	• Density meters
	• Calipers	• Viscosity meters
	• Micrometers	• Turbidity meters
	• PLCs	• Shakers
	• Microcontrollers	• Stirrers
	• Flow meters	• Timers
		• Sensors
		• Counters
		• Robotic Samplers
		• Truck Scales
		• Data Loggers
	<b>Any Instrument or Device Capable of RS232, RS485 Serial or TCP/IP Ethernet Communications...</b>	

## What is Collect?

Collect is a software program connects directly with instruments and devices, extracts (parses) the required data received through its intelligent parser and reports results directly with users existing applications. A number of included 'smart' set-up features enable run-time automation and control over the interfaces and applications Collect is used through simple checkboxes.

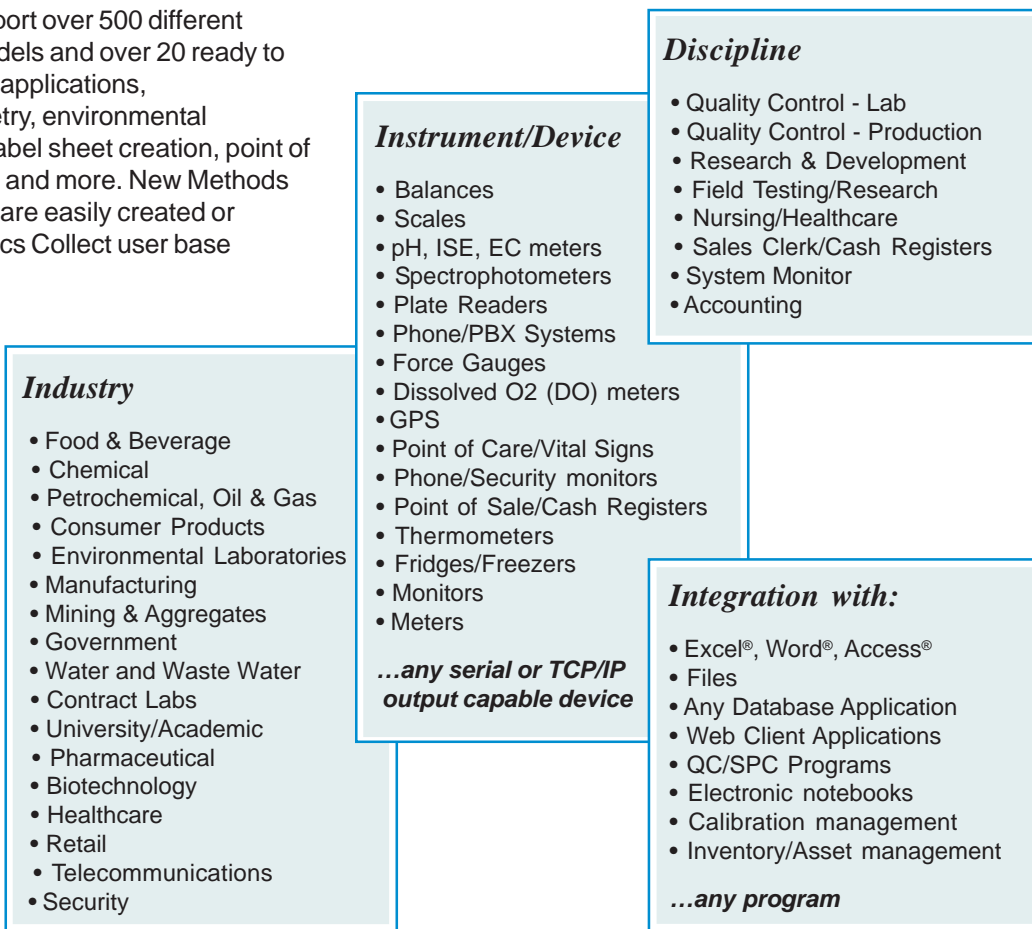
Starting Collect, a "Method" automatically launches the template or destination application and gives it a new floating menu used to control and interact with RS232 or TCP/IP connections. The rest of the template or destination application is completely unaffected and can be used in the normal manner to input comments, draw graphs, run macros, create reports, etc. As data is received from the instruments, it is processed in the background and then formatted results are added to the destination.

The installation of the Collect software includes a library of interfaces to support over 500 different instrument and device models and over 20 ready to use Methods for weighing applications, electrochemistry, photometry, environmental monitoring, barcode and label sheet creation, point of care instrument interfaces and more. New Methods and Instrument interfaces are easily created or downloaded from Labtronics Collect user base community web pages.

## Who Uses Collect?

Labtronics introduced the first commercial RS232 data collection and reporting program in 1989 for Scientists and Engineers working in Laboratory and Production environments. Since that time, Collect has been put to use by thousands of creative customers across a wide range of industries and disciplines to integrate many thousands of different instruments and devices and has automated many different applications.

Whether the need to automate is in the QA/QC, R&D, Production lines, Field Research, Clinical, Healthcare, Telecommunications or Plant/Facility monitoring Collect delivers the right solution for the job. From Chemical, Oil & Gas, Mining, Environmental, Government, Medical, Military, Pharmaceutical, Food & Beverage, Consumer Goods or Retail industries, Collect is the World's leading solution for interfacing and automating applications that use devices with RS232, RS422, RS485 serial or Ethernet outputs.



## Pre-Configured Instrument Library

The Labtronics Instrument Library is an integral component of Collect and contains over 500 pre-configured instrument and device interfaces that include the default communication settings for the instruments as well as their bi-directional command sets.

## User-Defined Library

Instruments and devices that are not already part of the installed Library can be defined by the user and saved within the Collect software's User-Defined Library database. Collect users also have the option to send their device interface setups to Labtronics to add to the on-line User-Base Library to share with the Collect community.

Labtronics will gladly help with this process as part of our standard technical support service.

Using the Instrument Library, anyone can quickly set up connections.

## Securing Interface Setups

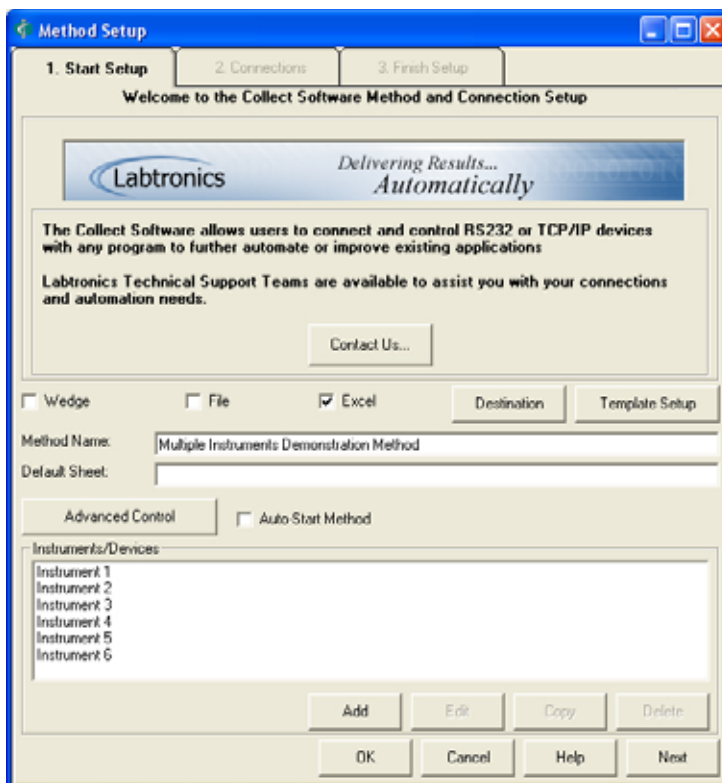
The Labtronics Instrument Library allows users to add these interfaces and their command sets to Methods but does not allow access the actual command strings and parsers that are pre-set.

In some cases users may not want their regular users accessing the interface operation setups or macro configurations they've created within the User Defined Library. Part of Labtronics technical support includes adding your interface configuration to a special version of Labtronics Instrument Library database which is password protected. Simply Export the Instrument you've created from Collect, e-mail it Labtronics Collect Support and we will e-mail you back the updated Labtronics Library database to Import.

## Easy Method and Interface Setup

Collect's Method Setup Wizard allows users to easily add, edit and test new Methods and Instrument/Device Connections in 3 simple steps:

1. Define the data destination - wedge to any Windows® program, connect directly with Excel®, connect directly with Files.
2. Add your instrument/device connection to the method - pick from the library of pre-configured interfaces or create your own.
3. Define the starting Cell location, file delimiter or movement macros for the collected result data.



Easy Method and Interface Setup

## Remote RS232-to-TCP/IP Converter Software Utility Included

The Collect Software installation comes complete with a separately installable RS232-to-TCP/IP Converter program, which converts remote RS232 serial devices through a PC or Laptop and creates a TCP/IP network port for them.

Collect's embedded RS232-to-TCP/IP Collector enables the system to communicate bi-directionally with the TCP/IP port of the remote computer terminal as if it were its own RS232 COM port.

## Communications with Instruments/Devices

Collect is compatible with any instrument or device that produces data through an RS232 or TCP/IP Port. Data collection from RS422, RS485 and Analog devices can also be supported in most situations through the use of simple connection converter.

Collect includes collectors for RS232, TCP/IP and the Remote RS232-to-TCP/IP Utility which are all automatically installed and ready to be setup. The software supports baud rates from 300 to 56000, 1 or 2 Stop bits, 7 or 8 Data bits and Odd, Even or No Parity. Flow/Hardware Control can also be set to None, XON/XOFF, RTS/CTS and can support the ASTM 1381 communication protocol if required. Other protocols are easily developed for custom projects through Labtronics services department.

## Only have a USB port on your PC?

Computers, Laptops or even Tablet PCs that only have USB ports can interface through inexpensive RS232-to-USB converter cables that create standard Windows® COM port and 9-pin connector to hook up to the instrument/device cable.

## Converting Other Outputs

RS485, RS422 and even Analog voltage outputs are also easily converted to RS232 by many common converters available and interfaced with the Collect software.

## Multiple Connections

Collect has been designed to handle multiple instrument and device connections at the same time.

Each connection will have its' own control menus so that they can be controlled independently. Data from each instrument or device can be processed separately and reported to different destinations.

Multiple Methods are also supported, meaning that several independent Methods can be started, each with its' own set of connections.

Working with multiple instruments is as easy as working with one. Starting a Collect Method automatically adds menus for each connection. A single mouse click starts data collection and reporting.

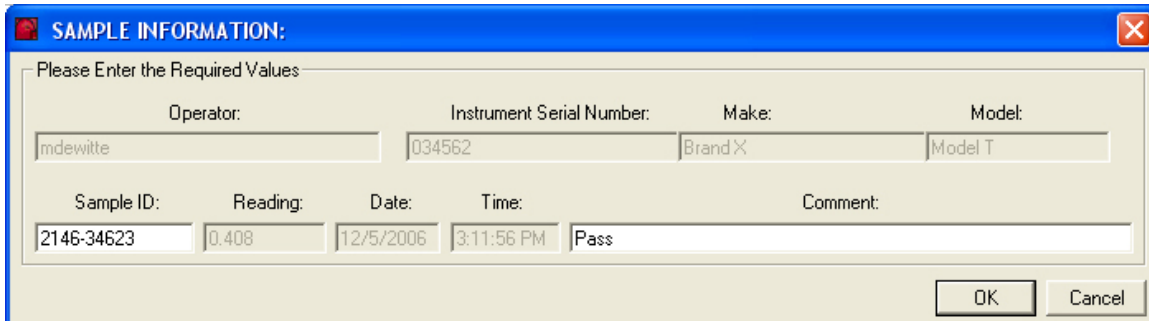
## Multi-tasking

Unlike older hardware or software 'wedge-type' solutions, Collect does not require you to keep the mouse cursor on the correct cell location when collecting data to Excel® or Files. The tight integration with Excel® or Files allows you to use the computer to work in other Excel® workbooks or even other applications, without interfering with data collection. Data collection occurs in the background, independent of other computer activities.

Collect keeps track of the connections, when data is available, it is automatically processed (parsed) and placed into the destination without interfering with your other work. You can return to the active Excel® workbook at any time to review the data. Collected data will be added to Excel® in real time. Graphs in the workbook will be updated in real time as data is received.

Collect data in the background while working with other applications.

## Advanced Control



Advanced Control

Collect also gives its' users additional automation capabilities to Methods and connections through the use of its Instrument Manager Macro script editor and a new VBA Script Editor embedded within a Method setup. Any run-time automation requirements can be significantly enhanced though the use of these simple VBA macros.

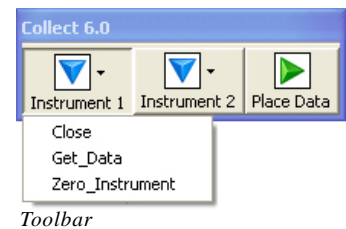
For example, Methods and Interfaces can be setup to add User Prompt Windows®, Make decisions based on results received such as stopping one interface and starting another, or automatically printing a report to an Adobe .pdf file or hard copy Printer. The possibilities are endless and all the RS232 or TCP/IP interfacing and result reporting can be handled through one common application.

## What Happens at Run Time?

When you start Collect it will ask you to select a pre-defined Method or Methods can be set to auto-start when Collect is opened – perfect for use with Collect in the Windows® Startup Programs menu when continual monitoring is required.

Opening a Method will automatically launch the destination application, load the correct template and add an instrument/device control menu. The destination application is ready to be used in the normal manner to enter data, draw graphs, run macros, create reports, load files or control instruments.

Control menus are added for each instrument that has been defined in the Method to the Collect toolbar. Each instrument can have multiple menus, one



for each operation command that is defined for the instrument. For example, a balance or scale might have commands for Get Weight, Tare, Open Doors and Get Weight Every 2 Minutes. Any collected data will be added to the destination in real time – you'll see data pop into your existing program as it happens.

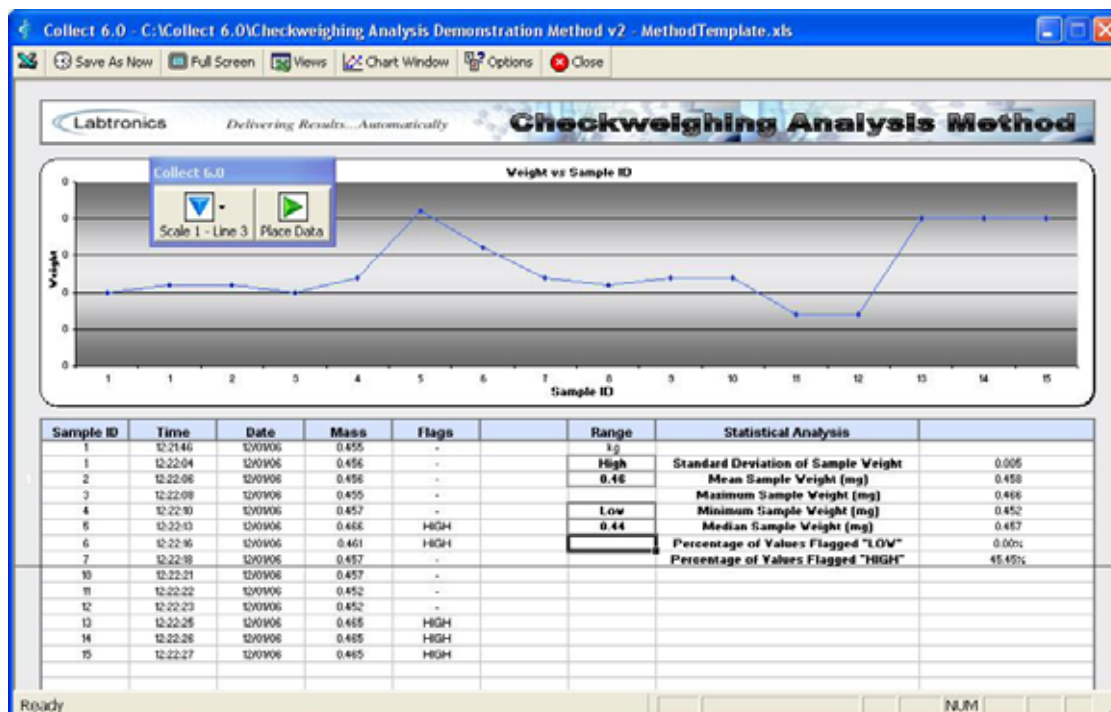
The destination template is your standard application that is launched for each Method. In the case of Excel®, it can contain formulas, macros, graphics, headings and instructions, in any format you like. The template makes it easy to control standard procedures, since it is loaded automatically for a method, and the user is then guided using the template.

*With Collect, data collection, instrument control and reporting are now part of your standard working environments.*

## Much More than Just Simple Wedge Data Collection

Collect includes many additional out-of-the-box features:

- Send Data directly to Excel®, Files or Wedge to any program in Windows®.
- Run-time Automation features Auto-start Methods
- Auto-start Instrument/Device connections and Operation commands.
- Send commands to instruments on a continual basis, without operator intervention
- Send commands at timed intervals – includes feature to stop after a set number of readings is received or keep going
- Add Date and Time Stamps to each reading
- Process, Split and Parse complex data, i.e. multi-line data using an intelligent parser.
- Collect data without sending commands – easy to switch between bi-directional and uni-directional modes
- Asynchronous high-speed collector receives, parses and reports up to 10 data points per second.
- Configure new instrument / device connections directly from within the Method Setup
- Remote RS232-To-TCP/IP Utility Software Included – connects remote COM ports to control instruments from the Collect software over a Network.
- Method and Instrument setups allow users to incorporate VBA script layers with control over the out-of-the-box features for advanced application solutions
- Method and Instrument Management – Export and Import Methods and Instruments – Makes it easy to expand applications to additional workstations and receive quick support.
- Test and Diagnostic modules to help setup new Instruments and Methods
- View template or destination setup during method creation
- Create Raw Data Received Log files that monitor interface sessions
- Supports XON/XOFF, RTS/CTS or No Flow/Hardware Control and ASTM 1381 protocol.
- Powerful, easy to setup, Intelligent Parser processes incoming data streams. Number, Position and Delimiter type parsers supported. Example setup: N/{L:2}nny – takes the third “N”umber from the ‘2’nd “L”ine. No programming required and only needs to be setup once.
- Includes Instrument Library and access to On-line User Base Library



Check Weighing Analysis  
 Demonstration pre-defined Method

## Technical Support & Software Updates

Labtronics will provide technical support directly to the end users. Technical support, which includes unlimited telephone assistance and software updates are offered free of charge for one year with the purchase of every Labtronics product. For subsequent years, customers may also subscribe to the Labtronics Annual Support & Upgrade Plan.

## Professional Services

The Collect software is designed with end-user setup and ease of use in mind; however, Labtronics understands that not everyone has the time to set up and learn any new software.

Contact us about the services available to help bring your system on-line quickly to your specifications through our expertise.



## Unconditional Money-Back Guarantee

Our software products are provided with an unconditional 30-day money back guarantee. If within 30 days you are not completely satisfied with the software, you may return it to us for a full refund.

## Collect Specifications

### Out-of-the-Box Key Features

- Report readings directly to where they need to be in real-time
- Automate run-time procedures – Autostart Methods, Interfaces and Operations
- Timed interval data collection
- Add Date/Time and User data to readings
- Advanced data processing capabilities – Split duplicated lines for easy parser setup – Intelligent multi-line parser
- Connect multiple instrument device interfaces simultaneously
- Advanced run-time Automation capabilities through Macro script layers global to the Method and embedded within the connection
- Includes a remote RS232-to-TCP/IP Service software program
- All setup settings are saved so they only need to be defined once.

### Benefits

- Interface with Existing Programs Eliminates Learning Curve.
- Eliminates Manual Data Entry
- Eliminates Data Entry Errors
- Increases Productivity
- Improves Automation Capabilities
- Improves Operator Efficiency

### System Requirements

- Windows® 2000, Windows® XP Professional or Windows® Vista Ultimate
- 64 MB RAM
- Pentium 300 MHz or higher processor
- 15 MB hard drive space for installation
- Windows® COM ports 1-255 or Available TCP/IP Ethernet Ports
- Microsoft® Excel® 2000 or higher (for direct to Excel® integration)

## Who Uses Collect?

Thousands of companies Worldwide are realizing the benefits of Collect...

3M Company	California Air Resources Board	Fisher Clinical Services	LL Bean Inc.
Abbott Laboratories Ltd.	Caltest Analytical Lab	Fisheries & Oceans Canada	Lockheed Martin
Abbyland Pork Pack	Canada Bread Frozen Bakery Ltd.	Fisons Pharmaceuticals	Lorillard Tobacco
Activation Laboratories	Canadian Food Inspection Agency	Flexsys America LP	Lucent Technologies
Ada County Highway District	Canadian Space Agency	Florida DEP	Madison Pharmacy Association
ADM Alliance Nutrition Inc.	Cargill Incorporated	Forest Laboratories Inc.	Manitoba Hydro
Ag & Agri-Food Canada	Cavendish Analytical Lab	Fox Chase Cancer Centre	Maple Leaf Foods Inc.
Agra West Foods	Celanese Acetate	Fragrance Oils (Int'l) Ltd.	Mary Kay Inc.
Air Products ECD	Center for Disease Control	Frito Lay	Marzetti Frozen Pasta
Akron Water Supply	Centocor	Genentech Inc.	Maxxam Analytics Inc.
Albany Police Department	Charles River Laboratories	General Electric	KSU Soil Testing Lab
Albian Sands Energy	Cheese & Protein International	General Mills	McGill University
Alcan International Ltd.	Chevron Research Co.	General Shale Brick	McKesson Health Solutions
Alcoa	Chiron Corporation	Genzyme Corp.	McMaster University
Alcon Laboratories Inc	City of Austin	Georgia-Pacific Corp.	Medtronic Inc.
Allied Construction Co.	City of Guelph	Givaudan Flavors	Merck & Company
American Airlines	City of New York	GlaxoSmithKline	Microbac Laboratories
American Calibration, Inc.	City of San Jose	Harrison Jet Guns	Microporous Products
American Red Cross	City of Toronto Works	Goodyear Tire & Rubber Co.	Ministry of Northern Dev & Mines
Amgen	Clorox Company	Green Earth Packaging	Ministry of Environment
Amway Corporation	Colgate-Palmolive Co.	HallMark Cards Inc.	MIT
Anderson Erickson Dairy	Colgate-Palmolive Co.	Health Canada	Mittal Steel Co.
Andrew Jergens Company	Columbia Analytical Services	Heinz Pet Foods	Molson's Breweries
AP Pharma	Columbia University	Hewlett Packard	Montgomery Water Works
Apotex Inc	Commonwealth of Virginia	Hobbs Pharmacy	Motiva Enterprises
Arctic Cat Inc.	ConAgra Foods	Honeywell	Murphy Oil USA Inc.
Arista Laboratories	ConocoPhillips	Hormel Foods	Mycogen Seeds
Arizona Dept of Transportation	Coors	Hudson Bay Mining & Smelting Co.	Nabisco
Arkansas Department of Health	Covance Laboratories	Hydro GeoPhysics	Nalco Chemicals India Ltd.
Armstrong Medical Ltd.	Cyanco	ICI Paints	NASA - Kennedy Space Center
Asarco Inc.	Cytec Industries	ICL Calibration Laboratories Inc.	National Pharmaceutical
AT&T Bell Laboratories	Dairy Farmers of America	IDEXX	National Research Council
ATCO Gas Ltd.	DeBeers Exploration Canada	Illinois EPA	Natural Resources Canada
ATF Fire Research Lab	Del Monte Foods	Intel Corp	Naval Surface Warfare Ctr
Atlantic Packaging	Dept of Fisheries and Oceans	International Flavors	Navy Public Works Center
Atomic Energy of Canada Ltd.	Dept of Land & Water Conservation	International Paper	Neilson Dairy
Aventis Pharma	Dept of Mines & Energy	Intertek Caleb Brett	Nestle
Bacardi	DH Drugstore	Iowa Dept of Transportation	New York City DEP
Ball Seed Co.	Diamond Checkpoint	J.R. Simplot Co/ Food Grp.	NEXstar Pharmaceuticals
Barber Foods	Didion Milling Inc.	JDS Uniphase Corporation	NIST
BASF Corporation	Diosynth Inc.	Jerome Cheese Co	Northern Lipids Inc.
Baxter Healthcare	Direct Drives & Controls Inc.	Johnson Matthey	Norwest Labs
Bayer Corporation	Dixie Yarns	Kaiser Aluminum	Nova Chemicals
Bell Helicopter-Textron	Dow Chemical USA	Kellogg Canada Inc.	Novartis Animal Vaccines Inc.
Best Tool Manufacturing	Dupont	Kennecott	Novozymes Biologicals
BioMerieux	Eastman Kodak Company	Kimberly-Clark Corporation	Oak Ridge National Laboratory
Black & Decker	Effem Foods	King County Environmental Labs	Olin Corporation
Blood Systems Laboratories	El Paso Water Utilities	Kraft Foods	Oliver Products Company
Bodycote Ortech Inc.	Eli Lilly & Company	LaFarge North America	Ontario Hydro
Boehringer Ingelheim	Engelhard Corporation	Land O Lakes	Orion Research Inc.
Boral Bricks Inc.	Environment Canada	Landau Associates	Pace Analytical Services, Inc.
BP Amoco	Enviro-Test Laboratories	Landcare Research New Zealand	Packaging Corporation of America
Brazos River Authority	ESCO Turbine Technologies	Lauhoff Grain Company	Parmalat Foods Ltd
Brown & Williamson	Evertu Jewellers	Lawrance Livermore National Lab	Pedigree - Master Foods
Bureau of Land Management	ExxonMobil	Leading Edge Turbine Tech	
Butterball Turkey Co.	Farmland Industries Inc.	Leica Inc.	
C & D Aerospace	FIO Automotive Corporation	Lexicon Genetics Incorporated	
Calgon Corporation	FireKing	Liquid Metal Products	
	Firmenich Inc.		

Pfizer Inc.  
Pharmacia & Upjohn Company  
Phelps Dodge Analytical Srv  
Phillip 66 Company  
Pillsbury Bakeries & Food Service  
Placer Dome Inc.  
Platte Valley Labs  
Poco Graphite Inc.  
Polk County Lime Quarry  
Polytop Corporation  
Potash Corp of Saskatchewan Inc.  
PPG Industries  
Procter & Gamble Co.  
Purina Mills Inc.  
Qiagen Sciences  
Quaker Oats  
Quanterra Inc.  
Quantum Analytical Services (Pty)  
Quest International  
Rain Bird Agri-Products  
Rayovac  
Raytheon Co.  
Reading Bakery  
Regional Municipality of Waterloo  
Reiter Dairy  
Respironics  
Rheem Manufacturing Co.  
Rhodia Inc  
Riviana Foods  
Robert's Dairy  
Rock River Laboratory, Inc.  
Rockingham Community College  
Rockwell Automation  
Rohm & Haas Texas Inc.  
Rose Packing  
Roswell Park Cancer Inst.

Rothmans - ASL  
Royal Canadian Mint  
Royal Ontario Museum  
S & P Prescriptions  
Sanofi-Synthelabo Research  
SC Johnson & Son Inc.  
Schering-Plough HCP Inc.  
Schneider Foods  
Schweitzer-Mauduit International Inc.  
Sequoia Analytical  
Severn Trent Laboratories Inc.  
SGS  
Shelby Tissue  
Shell Global Solutions  
Sierra Environmental Monitoring Inc.  
Sigma Aldrich  
Silliker Labs  
Sinterfire Inc.  
Sioux Falls Police Dept  
Sippican Ocean Systems  
Smurfit Stone  
Somerset Refinery Inc.  
Sonus Pharmaceuticals  
Southern Inyo Hospital  
Sovereign Pharmaceuticals  
SP Tools Inc  
Space & Naval Warfare  
Spectrum Pharmacy Products  
Sports Turf Research Institute  
State of Minnesota  
Stillwater Mining Company  
Structural Bioinformatics  
Structural Genomix  
Sun Land Beef Co.  
Sundancer Jewelry  
Sunny Health Science Centre

Symyx  
Syncrude Canada Ltd.  
Syngenta  
TDK Components  
Tengam Engineering Inc.  
Tennessee Scale Works  
Terosil AS  
Texas Instruments  
The Cheesecake Factory  
The Chlorox Company  
The Falkirk Mining Company  
The Filling Station Restaurant  
The Gun Smith  
The Turkey Store Co.  
The Valvoline Company  
The Wisconsin Cheeseman Inc.  
Trident Seafoods  
Turtle Wax Inc  
Uncle Ben's Inc.  
Unigene Laboratories  
Unilever  
University of California  
University of Florida  
University of Guelph  
University of Hawaii  
University of Illinois  
University of Kentucky  
University of Minnesota  
University of New Mexico  
University of Tennessee  
University of Texas  
University of Toronto  
University of Washington  
University of Waterloo  
University of Wisconsin  
University Pipette Service

US Army  
US Department of Agriculture  
US Department of Energy  
US EPA  
US Food and Drug Administration  
US Geological Survey  
US Playing Card Company  
US Smokeless Tobacco Mfg LP  
US Steel Clairton Works  
Utah Dept of Transportation  
Valero  
Vector Tobacco Inc.  
Vertex Pharmaceuticals  
Virginia Inst. of Marine Science  
Von Roll Isola - USA Inc  
Wacker Silicones  
Warner-Lambert Canada Inc.  
Wenatchee Valley College  
West Virginia Police  
Westinghouse Savannah River Co.  
Weyerhaeuser  
Wildlife Pharmaceuticals  
Wisconsin Electric  
Worsley Alumina Pty Ltd.  
Wyeth Ayerst Labs Inc.  
Xanthus Life Sciences Inc.  
XenoBiotic Laboratories  
Xerox Research Centre  
XRAL Laboratories  
Yardney Technical Products Inc.  
Yeadon Energy Systems Inc.  
Zateca Foods LLC  
Zeus Industrial Products Inc.

*...plus thousands of others*

*Try the Collect software risk free today.*

*Delivering Results...*  
***Automatically***  
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