Pro ezGC Software (Ver 2.0) for Windows,

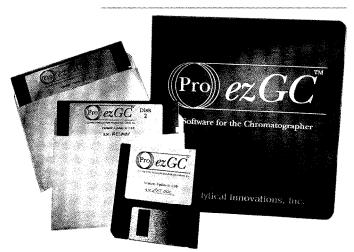## The most powerful GC optimization software has new features!

by Mike Feeney - Restek Corp . . . Australian Distributors - Chromalytic Technology Pty Ltd Fax : +61 3 9761 1169

* Optimize temperature and flow programs from a single analysis.

* Model retention gap and guard column applications including Restek's Integra-Guard™ columns.

* Model columns in series for process GC and multi-dimensional GC analyses.

* Software routines expanded for Fast GC and Windows® 95.

Pro ezGC software is a powerful optimization software and retention index database for gas chromatography. This program accurately predicts GC separations on any capillary column and is useful for selecting the best column and conditions for your GC analysis. Pro ezGC software utilizes either your chromatographic retention data or you can use the extensive library containing thousands of commonly analyzed compounds. From this data, it is possible to automatically evaluate thousands of combinations of column dimensions, oven temperature program, and carrier gas pressure program to determine the best separation with the fastest analysis time. This saves days of method development time for new analyses and can decrease analyses times of existing analyses by more than 50%. Several new features incorporated into version 2.0 make Pro ezGC software for Window? even more powerful and easy to use.

Optimize separation and analysis time from a single GC run

In order to accurately simulate separations and analysis time, the software requires either selecting a compound from an existing library or entering retention times from a GC analysis. This new version of Pro ezGC software for Windows can calculate the thermodynamic retention indices from a single chromatographic run. This analysis can be your current method, retention data from a scientific journal, or retention times from publications such as Restek's chromatography products catalog. This makes it possible to select a GC column for your analysis and estimate the separation quickly and easily.

Model GC separation including guard colun~ns and capillary restrictors

The analysis of contaminated samples often requires the use of a guard column to minimize contamination of the analytical column. Cool on-column injection often utilizes retention gaps to improve peak widths and to facilitate injection using standard gauge syringes. These "precolumns" can either be connected using a low-volume union or built-in as with Restek's Integra-Guard columns. In GC/MS applications, a length of deactivated tubing is sometimes added to the end of the analytical column to either increase the GC inlet pressure or to decrease background bleed from the transfer line tube. Pro ezGC software for Windowsa now permits accurate modeling when these types of columns are used, even when the diameters are not identical to the analytical column.

Predict the optimum column for dual columns connected in series or parallel

Many times, resolution of all components in a sample is not possible using a single column. This is where the power of Pro ezGC software becomes especially obvious because the program can either model two columns connected in parallel to two separate detectors or two columns connected in series. With series connections, the lengths of the two columns are often cut to give the best combination. This approach would be costly and time consuming without Pro ezGC software. Now, any laboratory can quickly evaluate whether serially coupled columns will give the separation without cutting up valuable capillary columns.

Take the guesswork out of selecting the best column and conditions for your GC analysis with Pro ezGC software for Windows. Increase the productivity of your existing gas chromatographs by improving separations and shortening analysis time with optimized temperature and carrier gas programs. For more information, download a copy of the demo software directly from Restek's website at http://www.restekcorp.com or call your local distributor and request a demo disk of Pro ezGC software for Windows.

Pro ezGC™ for Windows®
version 2.0
cat.# 21487

Upgrade from Pro ezGC™ for DOS to Pro ezGC™ for Windows®
cat.# 21486