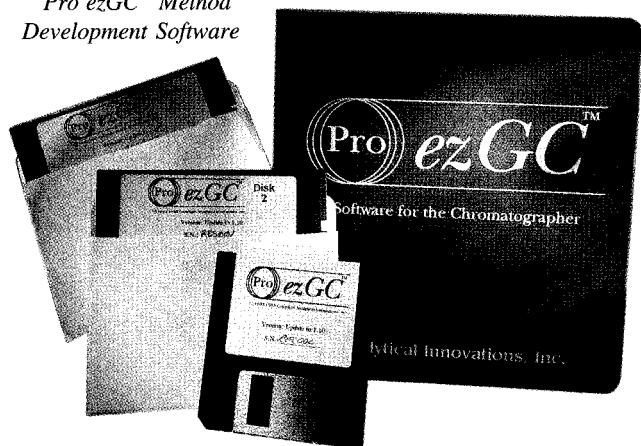


How do I know  
**CLICK COLUMN**  
to use for my  
specific analysis?

Follow Restek's Column  
Selection suggestions or call  
your local distributor for help

Pro ezGC™ Method  
Development Software



### ■ Column Selection

#### ■ How do I know which column to use?

Some analysts do not have the freedom to choose a different type of column because their analytical methods dictate one specific column. Other analysts may keep using the same column because it works, even though it may not be the best choice for their samples. But, how was the current column chosen? Was the column choice determined by careful investigation of all column parameters and subsequent optimization for the specific application? Or, was the column chosen because it happened to be installed in the GC during method development?

Restek offers over 900 different capillary columns. If you do not know exactly which column to choose, selection can be a frustrating hit or miss decision. Trying to determine which column is ideal for your specific analysis can be difficult. This selection guide contains information on column materials and parameters such as stationary phase polarity, internal diameter, film thickness, and column length, that will help you choose the proper column for a particular sample. In addition, it might encourage you to carefully examine whether the column you already use is the best choice, or whether improvements in resolution, speed of analysis, and quantitation could be achieved by using a different type of capillary column.

#### ■ Pro ezGC Method Development Software

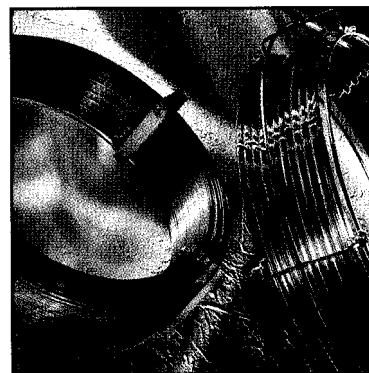
Take the guesswork out of selecting the best column and conditions for your GC analysis with *Pro ezGC* software for Windows. Increase the productivity of your existing gas chromatographs by improving separations and shortening analysis time with optimized temperature and carrier gas programs. *Pro ezGC* will save you time and money by greatly enhancing your productivity and increasing sample throughput. Take advantage of this powerful GC optimization tool today!

**Pro ezGC for Windows ver. 2:** cat.# 21487 ea.

**Pro ezGC (DOS) to Pro ezGC for Windows ver. 2 Upgrade:** cat.# 21486 ea.

#### ■ Column Materials

Both fused silica and stainless steel MXT columns offer a high degree of inertness and excellent flexibility. While the two column materials can service many of the same needs, the advent of MXT columns has expanded the utility of capillary columns. They are resistant to abrasion and scratches and show little risk of spontaneous breakage at any GC operating temperature. They can also be coiled into a smaller diameter to fit into portable field equipment. Under harsh operating conditions, stainless steel MXT columns are the best choice. When breakage is less of a concern (stationary bench top equipment) and it is advantageous to be able to identify non-volatile contamination inside the column, fused silica is the best choice. Fused silica is also much more amenable to the addition of a guard column using a press-tight connector.



#### ■ GC Columns