The Quality Sourcebook's 2002 Gage Manufacturers Guide presents a wide assortment of gages from more than 230 manufacturers.

Each company listed has provided telephone and fax numbers and, in most cases, a Web address you can visit for further information. Gage types that don't fit within our matrix categories are described in text blocks with their manufacturers' listings.

To choose the right gage for your application, keep in mind these three requirements: the manufacturing or end-product priorities vs. critical characteristics to be gaged, specified part tolerance limits and characteristics to be gaged. For additional guidance, you may want to refer to Tom Stewart's April 1998 article "Selecting the Right Gage," which you can find at Quality Digest's Web site at *www.qualitydigest.com/april98/html/rightgag.html.*

Gage Manufacturers Guide

Gage Manufacturers Matrix.....74

We've attempted to simplify your search for the perfect gage with a matrix of 31 common gage types, from air gages to vacuum gages, plus a category for companies that design and build custom gages.

Gage Manufacturers Directory.....81

This directory of gage manufacturers includes the company name, address, phone and fax numbers, and Web address.

As with all *Quality Digest* guides, the 2002 Gage Manufacturers Guide is intended to provide readers with helpful information. Only those companies that responded to our requests for information are listed. The products listed in this guide have been neither evaluated nor endorsed by *Quality Digest.*

We hope that this guide will help you with your gage-purchasing decision. If you have any questions or comments, please e-mail them to *sourcebook@qualitydigest.com.*

Glossary

A2LA—American Association for Laboratory Accreditation

ACIL—American Council of Independent Laboratories

Air-to-electronic variable gage—uses pneumatic line pressure to compare dimensions, geometries and positions of production parts

ANSI—American National Standards Institute

ASME—American Society of Mechanical Engineers

Attribute-type gage—compares part characteristics to specification limits to accept or reject the part based on whether the limits are satisfied

CAD—computer-aided design

CAE—computer-aided engineering

CAM—computer-aided manufacturing

Comparator—a measuring component that compares a workpiece characteristic to a reference

DIN—Deutsches Institut für Normung (German national standards body)

Go/no-go gage—an attribute-type gage

IEEE—Institute of Electrical and Electronics Engineers

Interpreter—a processor, either human or electronic, that assesses information from the measuring device's comparator

NIST—National Institute of Standards and Technology

SCC—Standards Council of Canada

SRM—standard reference material

Standard—A master workpiece used as the basis for comparison to determine whether duplicate workpieces fall within specification limits

Touch probe—an electronic contact measuring probe that is mounted on a machine tool

UL—Underwriters Laboratories

Variable-type gage—provides a quantitative value for the part characteristic being checked