

# A

*new dimension in precision measurement*

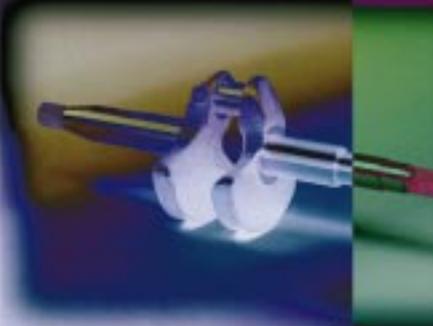


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*Accountability*

*Ready To Serve You*



confidential



Some companies say that their people are their greatest asset. We know better. We know that our greatest asset is our customers. Without you, we wouldn't exist. Not that we don't have terrific people here at Edmunds. We do. We employ the best minds in the industry, and are grateful to have them. We respect them and reward them for jobs well done. Maintaining the livelihoods of over 100 people and their families is a responsibility we take seriously. And we're all very much aware that the ultimate goal is to provide you with bright ingenuity and first-class service.

For more detailed information about us, please request our complete product line catalog which also includes dozens of custom gaging solutions. You're also invited to visit us in historic Farmington, Connecticut. Meet our people. Tour our modern facility. Learn first-hand about "the Edmunds difference."

Accountability. Technology and trust. Precision with built-to-last durability. Problem-solving experience.

Edmunds Gages.



## *The People Behind Our Products*

## *Single-Source Responsibility*

There is a new dimension in precision measurement. It's an exciting time to be involved with the quality movement, but also a challenging one with countless controls, assurances, and certifications that are being demanded of you.

It all boils down to accountability.

Welcome to Edmunds Gages. Where accountability reigns. In the products we make and in the way we make them. We have one specialty here. We conceive, design, and build a wide range of gages. For dimensional measurement and more. From precise ring and plug gages to highly sophisticated computer-aided automatic gages that are custom engineered to fill specialized needs.

We also offer gage calibration services in our Sub-Millionths Metrology Laboratory using comparative measurements that are certified and directly traceable to the National Institute of Standards and Technology. We're proud to be among a handful of labs that have that direct link. It makes us more accountable to you.

When we say we build gages, we mean from scratch. Concept design and engineering. Precision machining, grinding, and lapping. Electrical and electronics. Software. Painting. And...you get the picture... everything in between.

Edmunds Gages is a true, vertically-integrated manufacturer. We provide the complete gaging solution — in-house — including tooling and fixtures, gage heads, readouts, and masters. Not many gage makers can say that. We like to say we “own the technology.” No one passes the buck here. Accountability.

Our customers appreciate that. They also appreciate the way we honor their secrets. We understand the words “proprietary” and “confidential.” Some of our customer relationships go back 30 years or more. That speaks volumes about reliability and trust.

Here is an overview of our company, our products, and our services that can help you be accountable for manufacturing quality parts...

## Technology and Trust

## Delivering Custom Gaging Solutions

Sometimes we need to modify a standard product a little bit. Or a lot. Sometimes we need to design a gage that begins in our imaginations and results in a sophisticated system that is exclusively dedicated to an application.

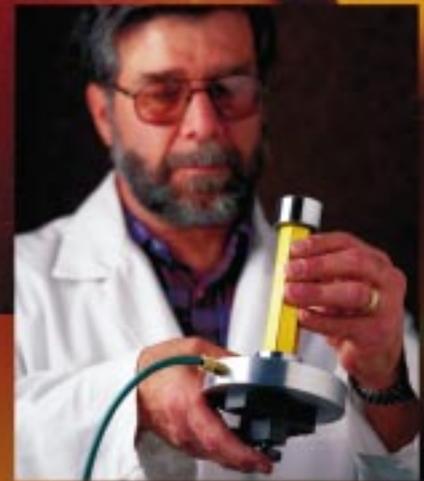
For example, we've earned an excellent reputation for building fully-automatic, computerized, closed-loop, post-process feedback gages. (Quite a mouthful isn't it?) To put it simply, post-process gaging systems direct production machinery and automatically adjust for tolerance variations *before* a bad part is made. Now that's quality control!

If our system will be integrated with other machine tools or automatic assembly equipment, as in the example above, we have many years of experience blending our gages with most all machine tool and assembly machine types and makes on the market. And they work.

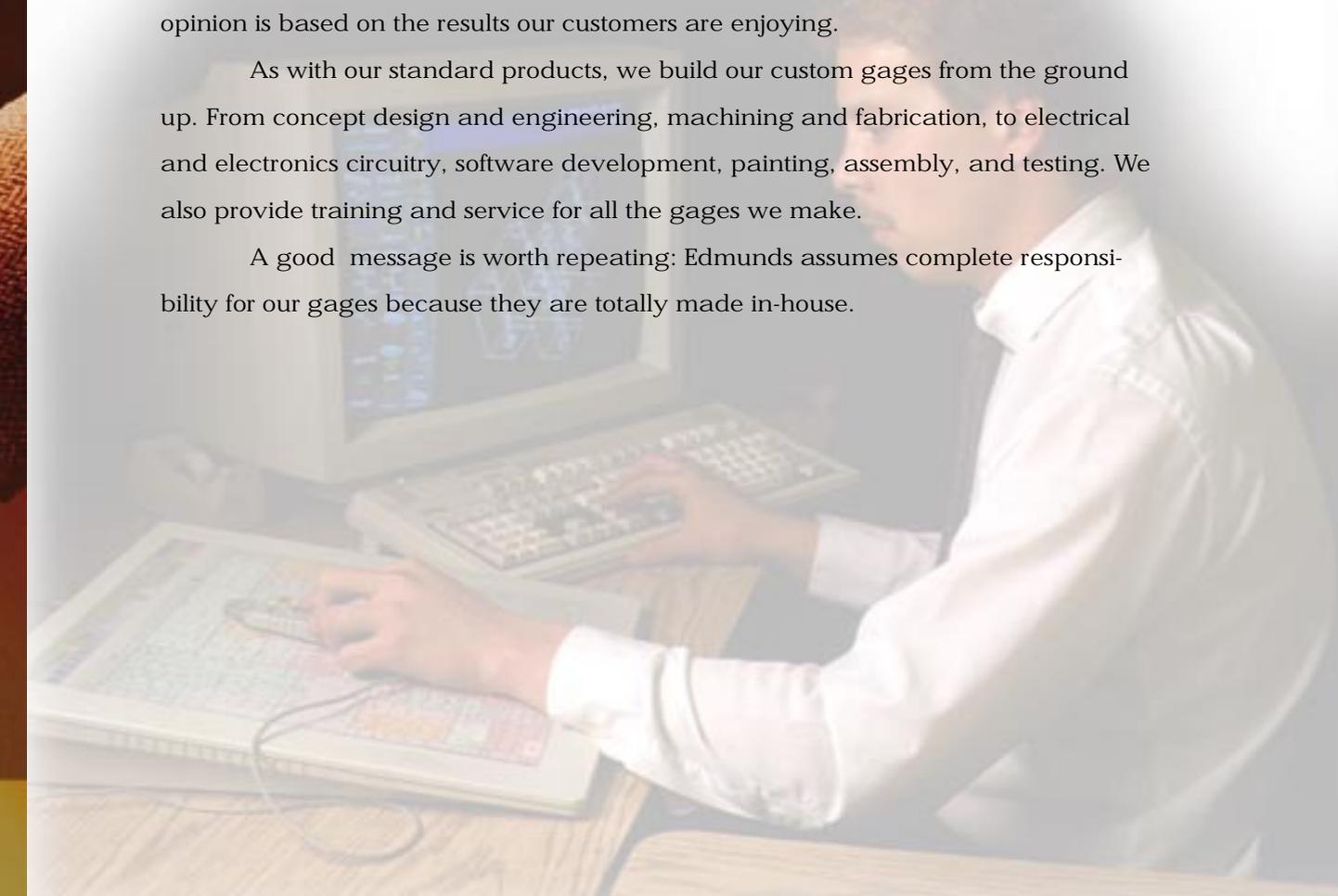
Whatever the degree of customization and creativity, we can do it. We've built more than 35,000 different custom systems. They're measuring parts in a broad range of industries all over the globe. There aren't many companies who build special complex gages. We feel this is where we really shine. And again, that opinion is based on the results our customers are enjoying.

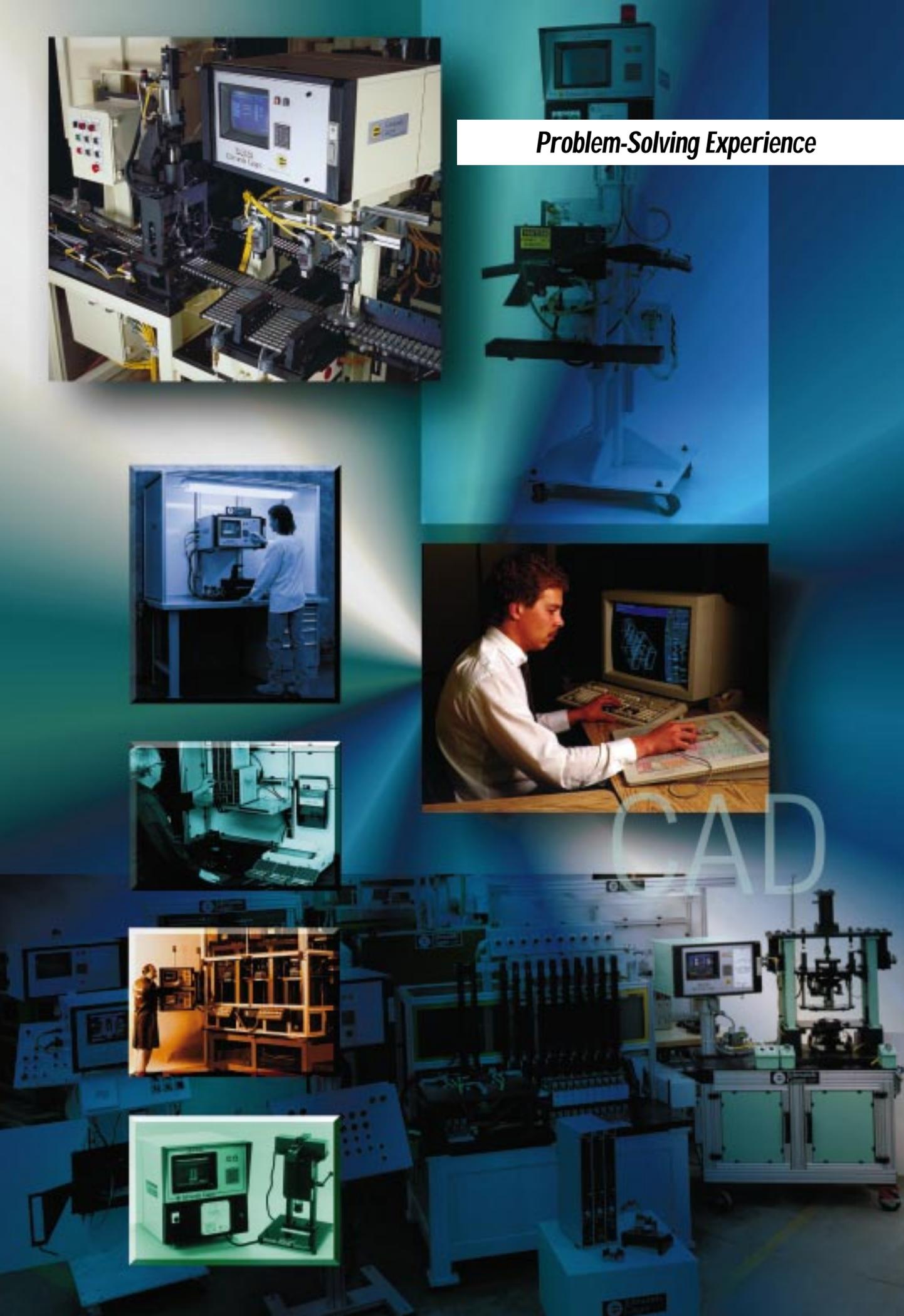
As with our standard products, we build our custom gages from the ground up. From concept design and engineering, machining and fabrication, to electrical and electronics circuitry, software development, painting, assembly, and testing. We also provide training and service for all the gages we make.

A good message is worth repeating: Edmunds assumes complete responsibility for our gages because they are totally made in-house.



0.0000001"





## Problem-Solving Experience

## The Edmunds Difference

To ensure that good parts are manufactured, you need reliable measurement technology from a supplier you can work with and trust. We at Edmunds Gages develop the technology. We own the technology. We put our family name on it.

Innovation is an inside job at Edmunds. We don't hire technical consultants to tell us what to do next. We have the knowledge. The expertise. The energy. We maintain a Research & Development Laboratory to take us to the edge of this new dimension in precision measurement. In analog and digital electronics. In software. In all aspects relating to measurement. We are forerunners in our niche of the quality realm — precise measurement of components and finished parts. We don't try to be everything to everybody. But what we do, we do extremely well. And that truth is based upon customer satisfaction.

Our gages are at work in the U.S. and abroad. In companies large and small. In all the manufacturing industries, including aerospace, appliance, automotive, bearing, electrical, electronics, gas and diesel engine, machine tool, medical, petrochemical, and more. Rest assured, you're in good company.

Continually evolving measurement technology is cultivated at Edmunds. By a corps of people dedicated to their specialized crafts, to our company, and its customers. Edmunds Gages is a friendly, engineering culture housed in a modern manufacturing facility in Farmington, Connecticut. Even our so-called "sales" people are really engineers in disguise. Most have degrees to prove it, others are quasi-engineers with years of practical experience in the gaging field. We're measurement problem-solvers with technical skills plus important communications skills like *listening* to you.

Those attributes carry over to our worldwide network of professional representatives. They are an important part of our organization, and we invest time, talent, and energy to ensure their success. Our reps are continuously and rigorously trained in the application of our products. They are also supported by an expert team inside that is at your command.

We know what we're doing, and we like doing it. We keep striving to do it better. That's the Edmunds difference.

# CAG

## Precision With Built-To-Last Durability



## Edmunds Standard Products

Edmunds Gages was established in 1950. Our first products on the market were cylindrical gages, or ring and plug gages as they are more commonly called.

From there we kept growing and developing innovative products. And we still do today. Our New Products Committee is continually developing new gages and enhancing existing ones. We embrace a philosophy of "upward compatibility." New products are designed to be direct replacements for older or obsolete ones, and often provide more features at a lower cost.

Here is what our standard product line is comprised of today:

**Cylindrical Gages** Inch or metric plain ring gages and setting discs, plus plain, progressive or reversible plug gages in classes Z through XXX. In steel, chrome or carbide.

**Air Gage Tooling** For our own and other air gaging systems. Many tooling styles in standard and special designs, plus system accessories.

**Electronic Bore Plugs** Durable, highly precise LVDT plugs available in a choice of styles. Ruggedly designed for demanding production use.

**Gage Heads** Compatible with all Edmunds electronics. LVDTs available in cartridge, lever, and reed float styles.

**Column Readouts** For air and electronic gaging. Accu-Setter™ microprocessor-based column with many features for efficient operation. And Trendsetter™ with interchangeable plug-in modules for a variety of gaging needs.

**Computer Aided Gaging (CAG™) Microprocessors** CAG™ system offers a computer-based readout and SPC data gathering ability in a unit designed for industrial environments. Works with manual or automatic gages. Ultimate CAG software provides closed-loop feedback when networked with CNC machine tools, providing continuous process control. Micro CAG™ is a similar and smaller version of the easy-to-use CAG.

**Gage Block Comparators** Single and twin-head, capacities up to 20", resolution to .000001". Yes, you counted all those zeros correctly — one-tenth of one-millionth of an inch!

**Universal Comparators** Edmunds comparators are the preferred instruments in most professional calibration labs. Providing the standard of accuracy, they are universal for comparative ID, OD, and length measurements with a resolution of .000001".

**Gage Calibration Services** Our Sub-Millionths Metrology Laboratory is among the finest in the country. We maintain a close relationship with NIST, the NVLAP certification board, and are active on the ASME B-89 Standards Committee. Measurements are directly traceable to NIST for all grades of gage blocks and all classes of plugs, rings, setting discs, and special masters.