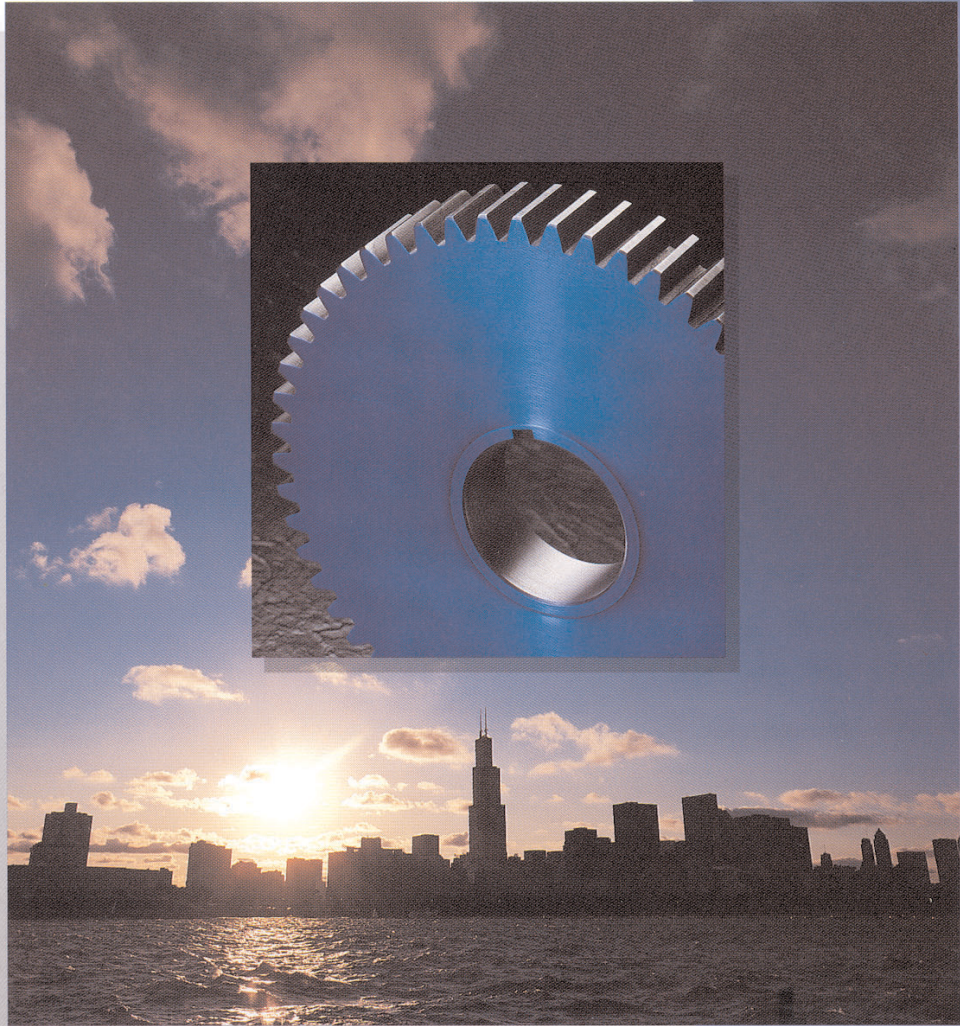


# Avon Gear And Engineering Company™



Avon Gear  
and Engineering  
Specializes in the  
Disappearing Art  
of Precision Cut  
Gears





# Gear Cutting

## Gear Cutting Is Our Specialty

Avon Gear and Engineering specializes in the disappearing art of precision cut gears. From intricate Swiss type gears 1/16 of an inch in diameter to large industrial gears, Avon can meet all of your needs. Common or unique, simple or complex, Avon is capable of producing nearly all gear types:

- Spurs
- Helicals
- Bevels
- Sprockets
- Ratchets
- Splines
- Worms
- Worm Gears
- Internals

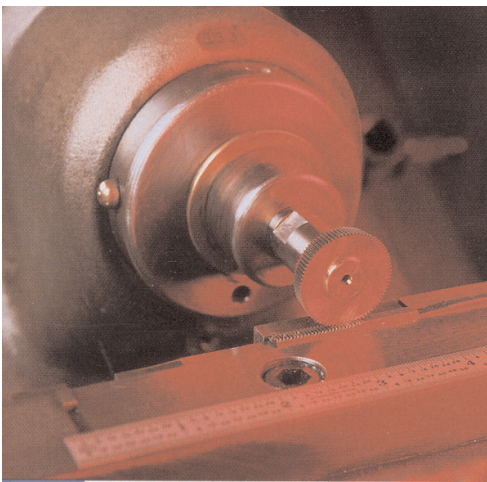
Careful, *in-process inspection* insures production is within tolerance. All operators gauge their work while the work is in progress. We check and double check each job during production against our own standards, which are often even more exacting than those of our customers.

Dozens of gear cutting machines and related equipment insure your job's prompt and accurate completions, regardless of its complexity. Because of our broad capabilities, Avon bypasses the limitations and barriers that delay production at most other shops.

Custom designs and aircraft materials are

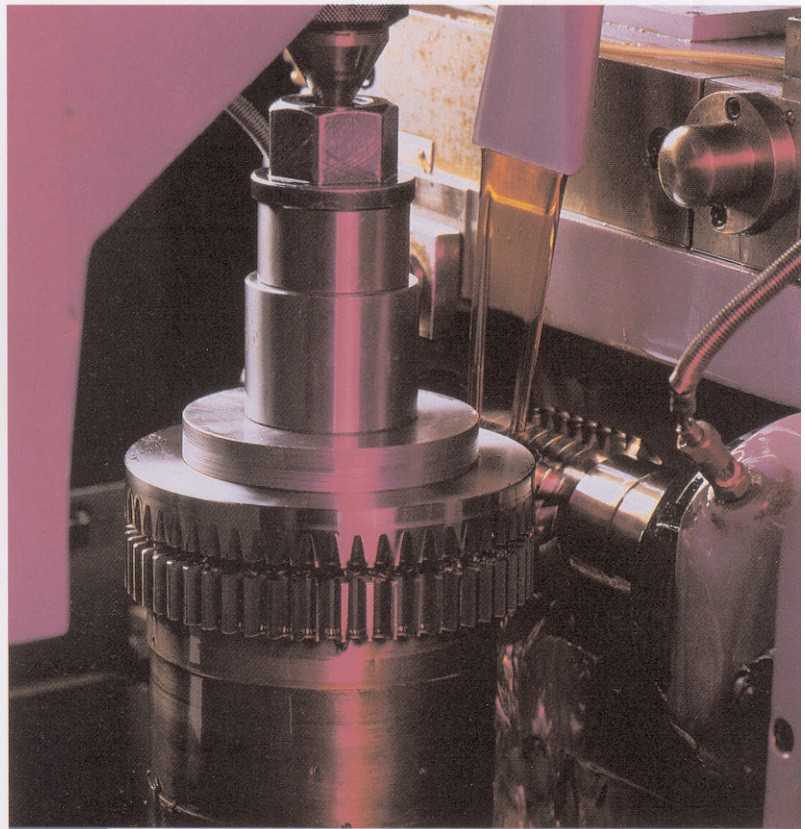


right at home at Avon. We'll cut gears from stainless steel, brass, aluminum, plastics - or whatever your gears require.



Precision fine pitch rack cutting.

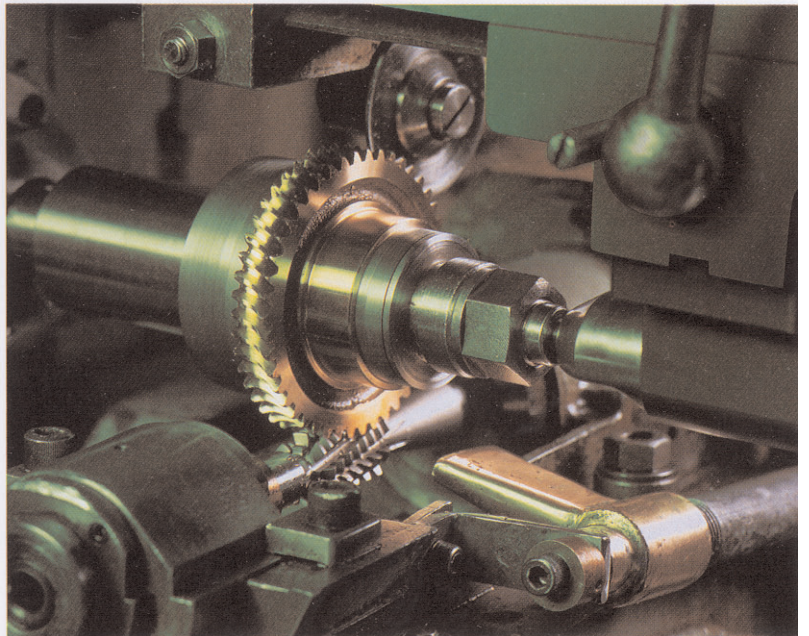




Precision gear cutting on modern equipment, where quality is monitored at the machine.

From prototype to production, Avon's sophisticated machinery revolutionizes custom gear cutting.

Drawing on over thirty-five years in business, Avon employs the full range of skills complex jobs require. Allow us to assist in designing your gear requirements to insure economy and accuracy.

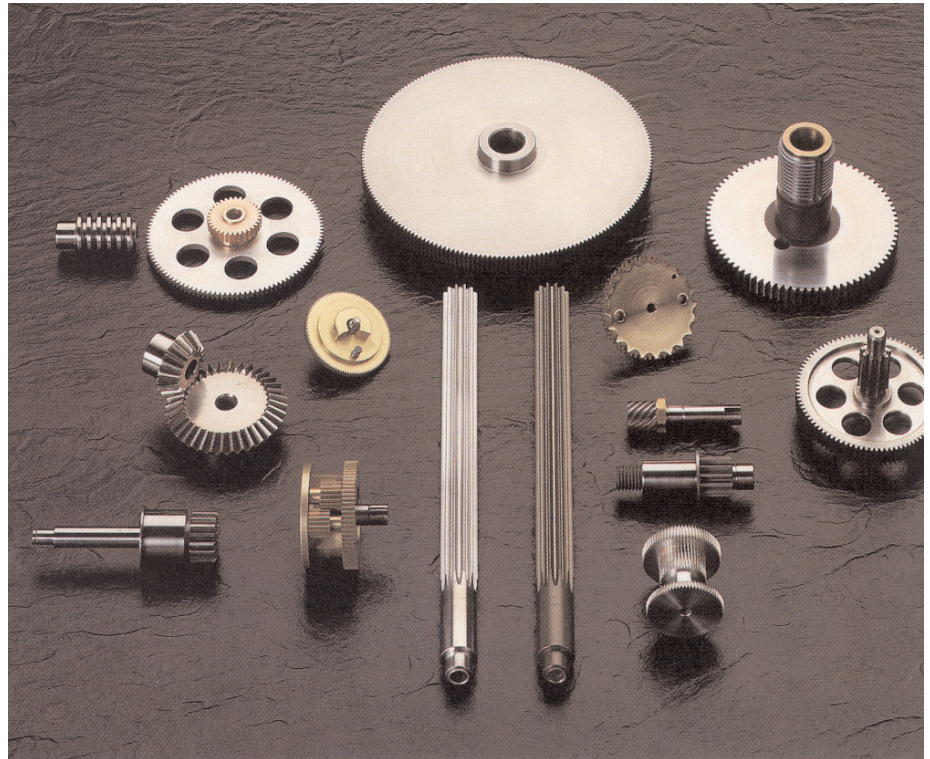


Quiet-running accurate worm sets.



# Gear Blanking

**We Set The Pace  
In The Industry**

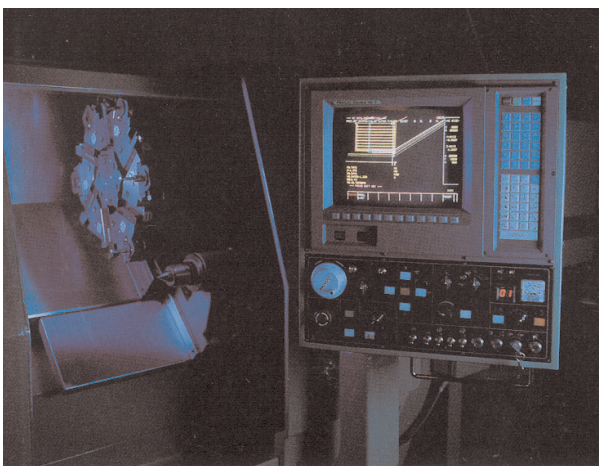


Fine pitch precision components.

Accurate gears require accurate gear blanks. To control this critical stage of gear manufacturing Avon produces its own gear blanks.

First, we design the blank to match your gear specifications.

Then our gear blanking department goes to work. It contains state-of-the-art CNC turning centers, automatic chucking machines, and automatic screw machines. *Not just one machine but 50 different ones.* We have just the right blanking machine for your job.



State-of-the-art computer graphics assist in fast set-ups.

# Secondary Operations

## We Offer Superior Secondary Operations

At Avon, costly and time consuming outside operations are rarely necessary. This means two benefits for you. First, Avon controls the quality of the gear product at every step. Second, we can produce these gears on a just-in-time schedule that you specify.

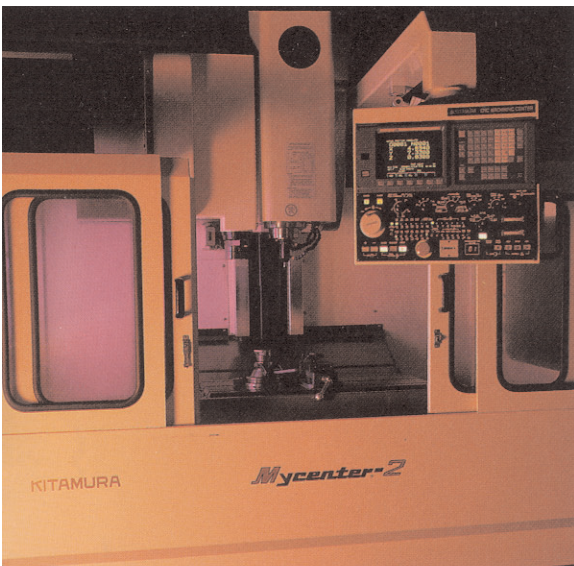
To accomplish this, we have at our disposal hundreds of secondary operation machines. From sophisticated machining centers to a standard drill press we match your job to the proper

machine for both economy and efficiency.

When plating or heat treating are necessary, we rely on the finest sources available. Because of our close working relationships, we know that these sources understand how to handle gears carefully.

If you prefer, we are also happy to work with your approved sources.

Versatility and quality are key when it comes to secondary operations.



Precision machining centers with temperature controlled spindles for accuracy.

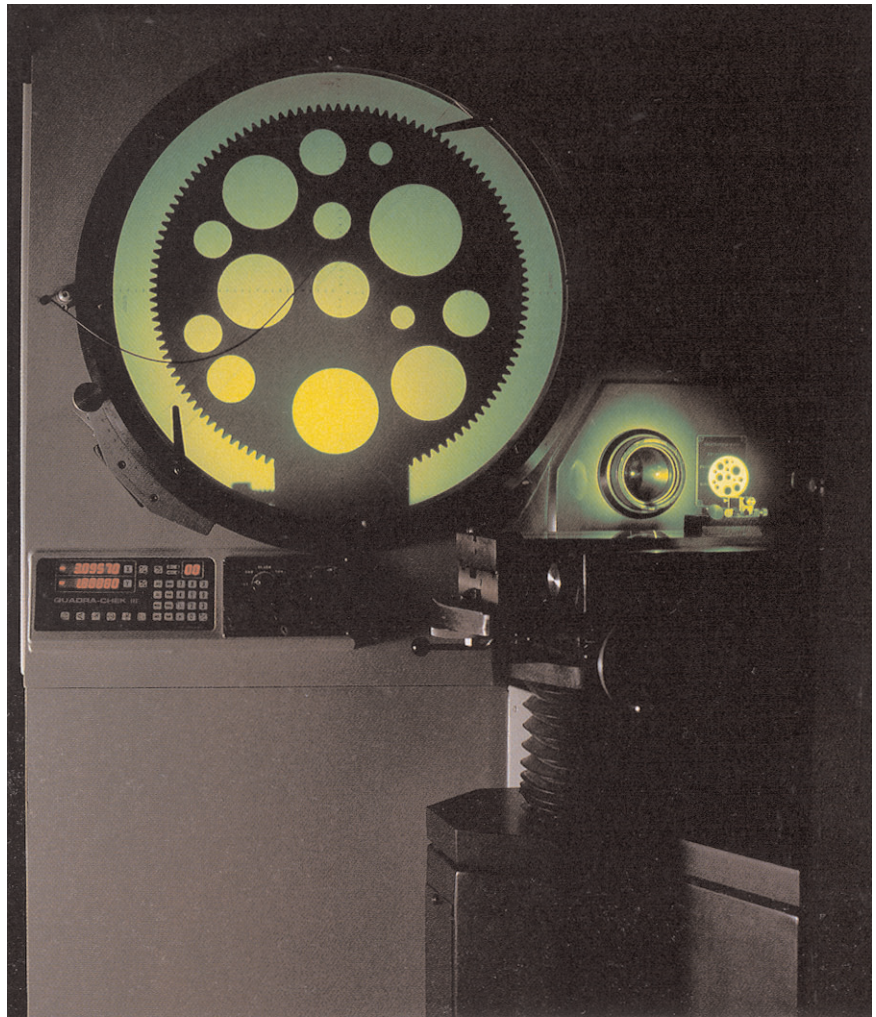


Timing pulleys and pulley assemblies to meet your complex requirements.

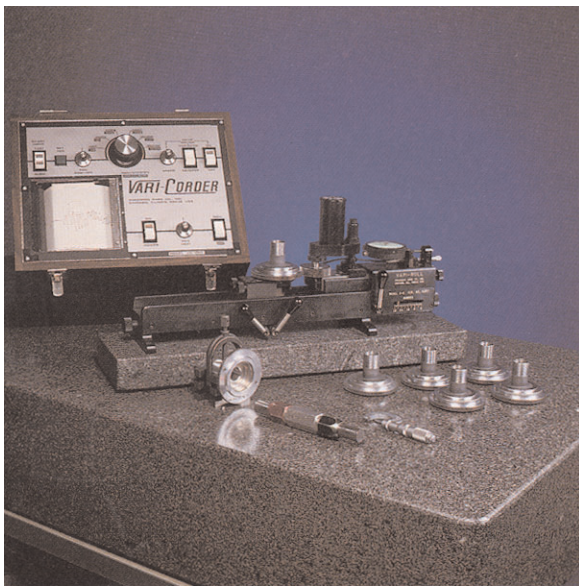


# Quality Control

## Our Quality Control Measures Are Unrivalled



State-of-the-art optical comparator equipped with fibre optics and computer controls.



Precision gear inspection with recording capability.

Avon stands alone in its comprehensive commitment to quality control of every job that comes through our plant.

Military and aircraft manufacturers rely on Avon to produce accurate gears for their complex equipment.

Avon achieves perfection consistently, applying state-of-the-art technology not just in the manufacturing process, but in the meticulous task of monitoring quality as well.

Avon's team of professionals performs thorough inspections at

every step of your gears' production: turning, gear cutting, and all other secondary operations.

Highly advanced computer equipment enables Avon experts to calculate, measure, and scrutinize every detail required by customer specifications.

Only Avon invests the dollar amounts necessary to maintain the highest standards available in quality control today.



This is evident in the high-tech inspection equipment used throughout the plant. Optical comparators, equipped with fibre optics and computerized digital readouts to verify dimensions, eliminate the risk of human

error. Precision lead and involute checking equipment with charting capabilities insure accurate profiles.

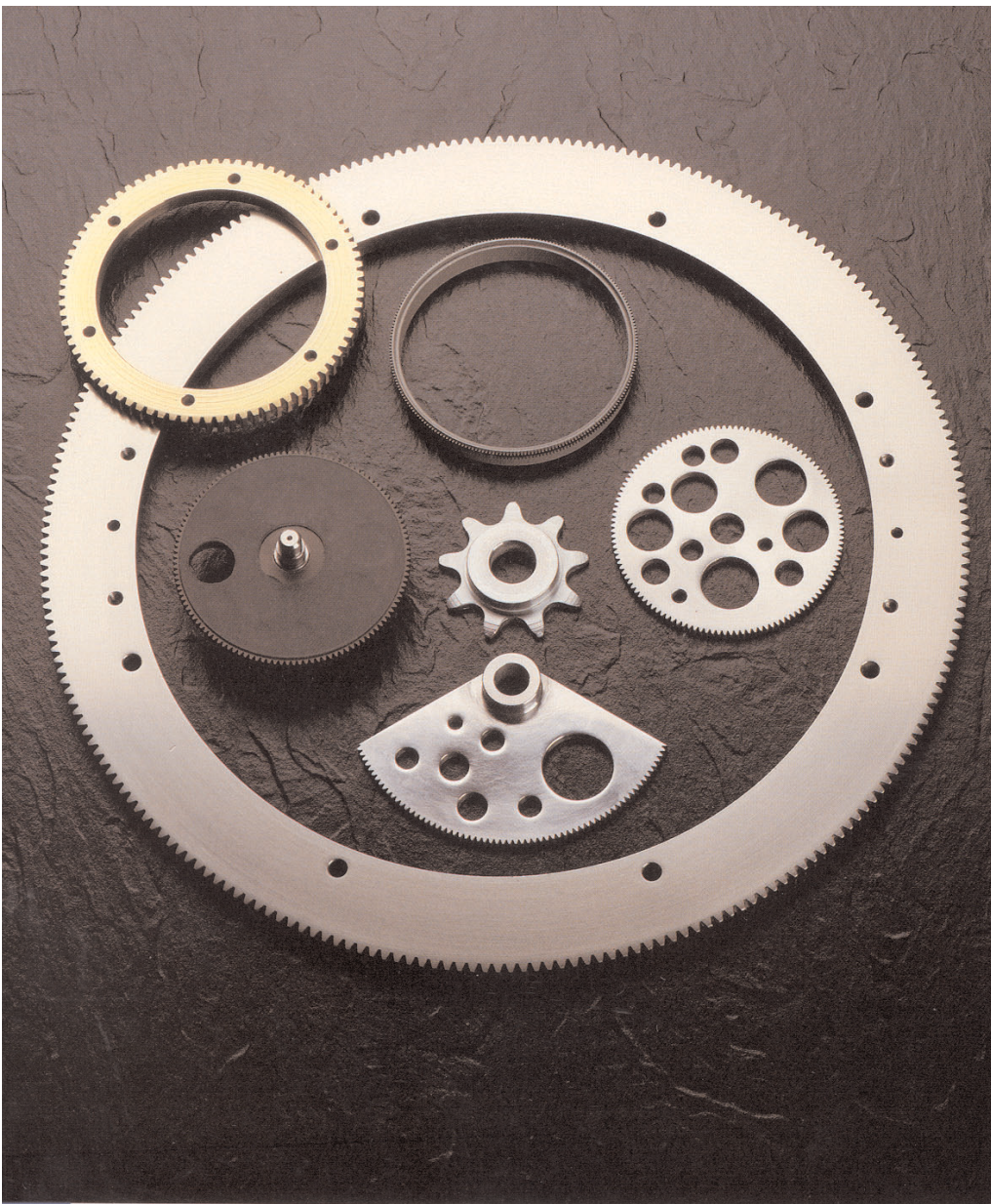
Avon has the capability to certify the accuracy of its own gauges. No other company works so painstakingly to guar-

antee excellent gear products.

Avon's complete quality control manual is approved by the military and by many aerospace firms. Following AGMA specifications, Avon often exceeds these standards to accommodate the intricacies of high precision gears.

No specification, no detail is too complex for Avon, and each gear we make is the finest anywhere.

For more information about our products and services, or for an estimate on your current project, please contact:



From conventional to unconventional, Avon makes gears for all industries.



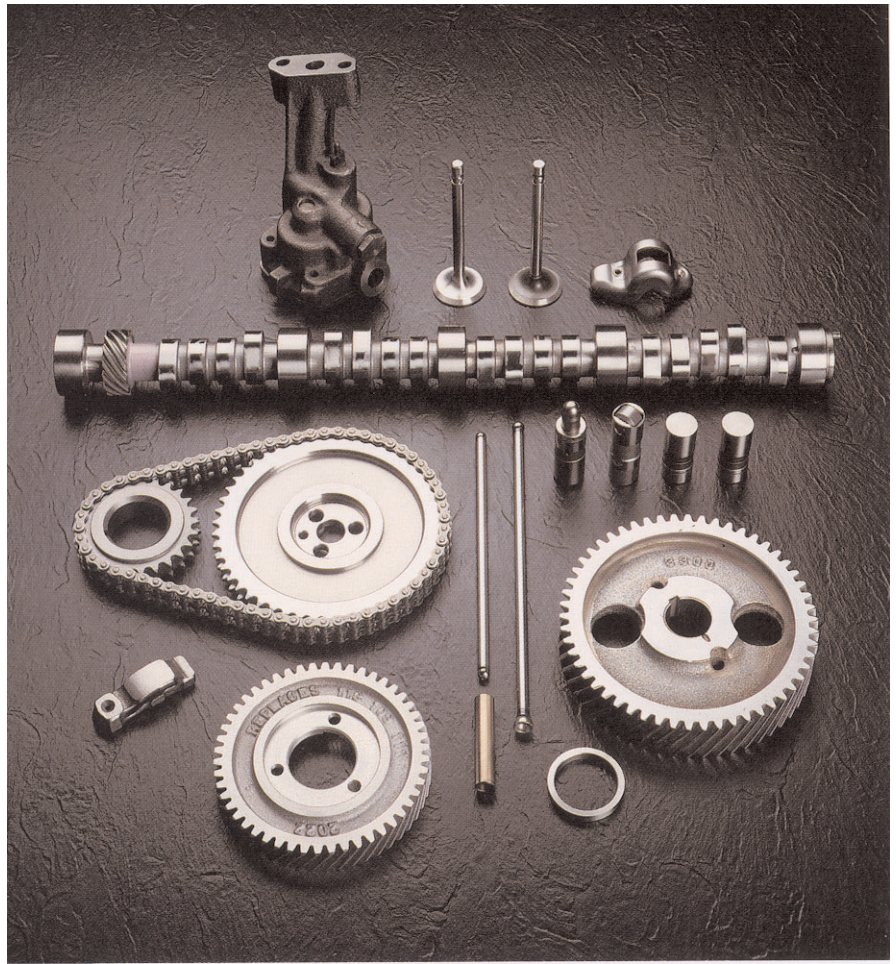
**Avon Gear™  
And Engineering  
Company**

Phone: 708-354-5525  
Fax: 708-352-1627  
410 Shawmut Avenue  
LaGrange, Illinois 60525

AGE and Avon Gear are trademarks of  
Avon Gear and Engineering Company



# Avon Automotive Products Division



A full complement of valve train components for foreign and domestic passenger car engines.

Avon Automotive is a separate division of Avon Gear and Engineering. Avon Automotive specializes in the manufacture of timing components. We also distribute related valve train parts for passenger cars, trucks, and industrial engines, both foreign and domestic.

From the Model T to the Quad IV and beyond, Avon Automotive, in a specially designed facility, produces one of the broadest lines of gears and sprockets in the industry.

Our 400 page catalog is available on request.

For more information about our products and services, or for an estimate on your current project, contact:

Avon Automotive Products  
18 North Newberry  
LaGrange, Illinois 60525



410 Shawmut Avenue LaGrange, Illinois 60525  
Phone: 708-354-5525 Fax: 708-352-1627