

# CORNING

As the world leader in glass technology, Corning is uniquely suited to manufacture lenses and reflectors of every size and description applicable to the automotive industry. And as the rapidly-advancing automotive technologies and aerodynamic styling concepts demand more and more sophisticated solutions, look to Corning for the answers in glass.

From small, high-precision lenses to slant-faced and wrap-around designs, Corning is helping to make the future take shape today . . . in glass.

## Automotive Lenses and Reflectors

- Large to small sizes
- New technologies for advanced shapes
- Highly durable, cost-effective glass



# Automotive Lenses and Reflectors

Corning has a depth of experience in automotive pressed glass lenses and reflectors. Corning draws engineering expertise not only from its position as a worldwide supplier to automotive headlamp manufacturers, but also from such diverse areas as CRT and Vidicon tube faceplates, eyeglass lenses, scientific glassware, and many more.

## The Beauty of Glass

For pure beauty and aesthetic appeal, nothing outshines the fine, polished brilliance of glass. But the beauty of glass extends to practical considerations as well. Glass has great durability, and weathers better than plastics. Glass is scratch-resistant. It can hold up against chemical attack. Glass is highly resistant to thermal shock, and doesn't discolor with age.

That means glass will retain its broad utility and beauty longer . . . making glass lenses and reflectors the quality choice.

If you need another reason to go with glass . . . consider how cost-effective you'll find glass versus alternate materials.

## Choose Your Size

Corning has the precision-pressing capability to make lenses for miniature composite headlamps as small as credit cards. Such tiny headlamps can lead to styling avenues previously inaccessible to automotive designers and engineers.

Now you can consider lens sizes from as small as 2" to as large as 8" round or rectangular. These traditional shapes retain popularity for many reasons. In the precision small lens area, of special interest today, some of these lenses may find their way into interior lighting applications. At the same time, exterior lenses are taking on a variety of new shapes . . . and Corning is making sure that glass keeps pace with the changes.

## Advanced Technologies

Developed by Corning, new glass-making processes are giving glass lightweight design flexibility comparable to plastic products, yet leaving the excellent optical features and other benefits of glass intact.

Long, sleek, high-aspect ratio lenses are now possible, as are lenses with re-entrant angles. The aerodynamic thrust of automotive design can now be served while the benefits of glass as a material are reaped.

Even wrap-arounds (yes, even sleek, aerodynamic wrap-arounds with re-entrant angles!) are possible, thanks to Corning's new technologies.

## Imagine What We Can Do Together

The beauty and utility of glass have been combined with innovative manufacturing techniques that give glass a new versatility.

Let us show you how both traditional and advanced shapes . . . shapes for the automobiles of today and tomorrow . . . can become a reality in glass.



Lenses and reflectors for auxiliary and off-road lighting applications.



Aerodynamic designs can be achieved while the benefits of glass are maintained.

Wrap-around styles are made possible by Corning's newest glass-pressing techniques.



Small to large capabilities . . . from 2" lenses for credit card-sized headlamps and interior lighting applications to large traditional offerings.