

# DESIGN FREEDOM for

Greater Conceptual Scope

Increased Safety, Strength & Durability

Weight Saving

**PCQ TECHNOLOGIES IS THE NEW STANDARD IN POLYCARBONATE VEHICLE GLAZING**



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Take Concept to Reality:  
The Advantages of PCQ  
Glazing Technology



## 5 Ways to Improve Your Design (... & there are many more PCQ Technologies advantages.)

### LIGHTWEIGHTING

Helps to achieve **lower vehicle weight targets**, and improves efficiencies and vehicle range.



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### WEIGHT COMPARISONS

PCQ products are **less than one-half the weight of glass** when compared volume-to-volume – equal thicknesses and equal dimensions.

### SCRATCH RESISTANCE

Quantum® Hardcoating has **withstood over one million wet/dry windshield wipes** in performance testing.



### IMPACT RESISTANCE

PCQ products are **50 times more resistant to impact** than either tempered or laminated glass, and 20 times more resistant to impact than acrylic products.\*

### SPECIFIC SHAPES

The flexibility for Custom Forms and Unique Solutions – Superior **forming that glass products** (termed automotive, tempered, laminated or other) **cannot achieve.**



PCQ Technologies has become the world's leading manufacturer of high grade, optical quality polycarbonate glazings for use in multiple vehicle applications.

Through extensive research and stringent testing, PCQ Technologies has developed end-to-end manufacturing solutions to provide glazings for E-vehicle markets worldwide. Top grade polycarbonate with Quantum® hardcoating delivers a finished product with abrasion resistance that meets or exceeds DOT and ECE R43 standards.

This combination of material, coating, UV blockers, graphics and extensive forming abilities delivers a total solution that automotive glass cannot.

PCQ Technologies has the innovative design, engineering and manufacturing expertise to stand behind their claim: **The Worldwide Leader in Lightweight Polycarbonate Vehicle Glazing Technology™.**



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We invite you to meet with us at the many trade shows and conferences at which we exhibit or contact us directly. These trade shows are listed on our website.

\*Statistics are based on regulatory testing methodologies.



# PCQ Technologies Delivers Benefits for ALL ASPECTS of the Product Development Cycle -

## DESIGN FLEXIBILITY & STYLING SOLUTIONS

- Creative flexibility enhanced by over 85 years of forming experience by PCQ Technologies

- Maximum part size up to 183cm x 275cm x 100cm

- Structural strength enhanced by form



- Differentiate your brand with limitless encapsulated graphics

## PRODUCTION EFFICIENCY

- Incorporate structural support into the polycarbonate design to reduce/eliminate metal support frames

- Simplified stocking

- Let PCQ Technologies be your single glazing solution source

## COST ADVANTAGES

- Your company will benefit from easier, faster production assembly

- Smaller parts lists & bills of material simplifies stocking and supply chain

- Benefit from our engineering and manufacturing experience in polycarbonate

## PRODUCT PERFORMANCE

- Hardcoated polycarbonate glazings deliver lower weight by volume than glass

- PCQ Technologies polycarbonate glazings are adaptable to natural vehicle flex

- Optical quality clarity for improved driver safety

- Superior impact & scratch resistance

- Quantum® hardcoating protects your multicolor graphics from surface damage and UV fading



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