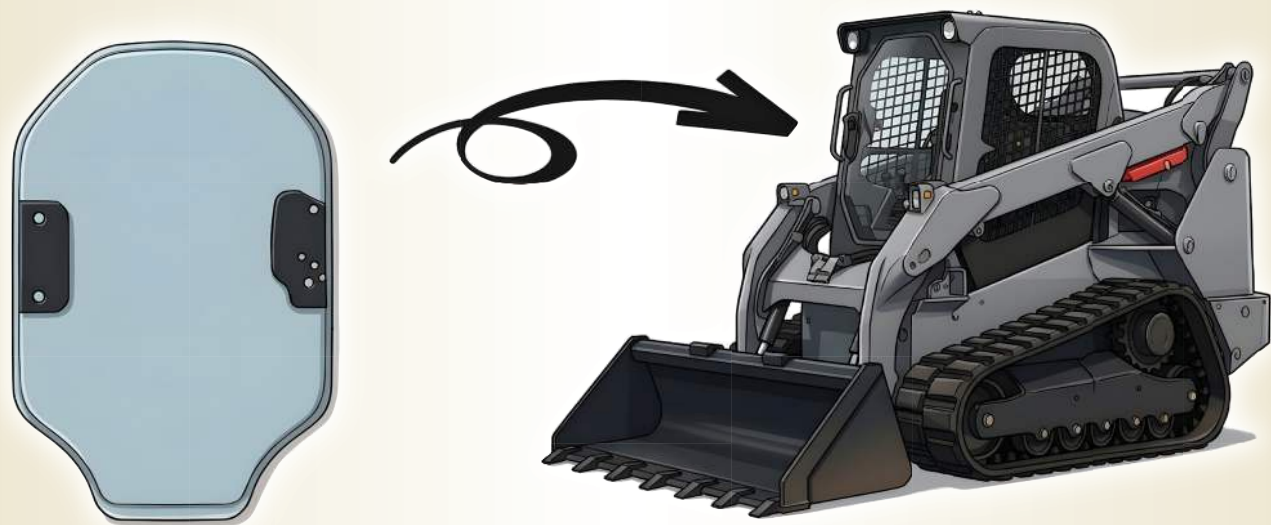




Super Hard Coating with Photochemical Modification Technology



RENIAS Co., Ltd.



Next-Generation Polycarbonate Windows

Lightweight, Highly Durable, and Fully Compliant with Safety Glass Standards

Key Features

- **Advanced Surface Engineering:**
Our photochemical modification process transforms the surface of silicone-based hard coats into high-abrasion-resistant silica glass.
- **Superior Adhesion:**
Features a graded structural transition between the modified layer and the hard coat to ensure maximum bonding strength.
- **Global Safety Certifications:**
Fully certified under international safety glass standards, including **ECE R43 (Class L)** and **ANSI Z26.1 (AS2)**.
- **Innovative Manufacturing:**
Successfully achieved high-performance surface modification under atmospheric pressure.

Performance Comparison: Abrasion Resistance

Delivering overwhelming durability compared to conventional solutions.

Conventional Product		RENIAS Technology	Reference
			
Polycarbonate	Silicone Hard Coat	Super Hard Coat	Glass