

The sky is the limit.



Introduction

Timelessness, elegance, strength. Brightness, coolness, lightness. It is glass in motion. It is AGP eGlass.

When glass becomes smart, it improves all of its qualities and it opens up possibilities in terms of form and function. With AGP eGlass we enhance passenger experience and ultimately the smart customers' buying decision: safety, entertainment, extra comfort and superior design.

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About AGP Group



We are paving the way for the automotive trends of the future. Part of it is our state-ofthe-art automated manufacturing base in South America, with 1,800 employees and 500 engineers from 15 different nationalities. We as AGP provide innovative and customercentric methods to bend intelligent high-tech



glass into complex shapes. Our seven core technologies are the key for rising demands in comfort, connectivity, emission, legislation and safety requirements, while addressing the complex technical and design needs of future mobility.

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AGP Group

key facts

Employees - 1800 Lima, Peru Engineers and technicians - 500

MANUFACTURING

Nationalities - 15

SIZE (UNDER ROOF)

27,000 m² eGlass

50,000 m² BRG

MARKETS OEM - worldwide ARG - worldwide

HEADCOUNT

CERTIFICATIONS ISO 9001 : 2008 ISO 14000 ISO/TS 16949

R&D

50 patent applications per year

TECH CENTER

Security glazing - Colombia / Brazil eGlass 2018: USA and Germany

PRODUCTION CAPACITY

1,000,000 Ultralite Windshields / Panoramic Roofs per year 18,000 BRG carsets per year Largest production capacitiy for automotive security glazing in the world

SPECIAL FEATURES

Highly automated eGlass line Largest IOX tank in the auto industry Press and sag bending Technologies up to 4m² parts

AGP eGlass our DNA
INNOVATIVE
AGILE
FLEXIBLE
CLIENT FOCUSED
ENTREPRENEURIAL SPIRIT



Constant pursuit of new and improved technologies to provide better service and promote the disruption of the industry.

Quick response times, quality and delivery, inspire trust and generate value to customers.

Expert capacity in small or large volumes and in simple or complex shapes. We co-develop with customers in order to overcome the most adverse obstacles.

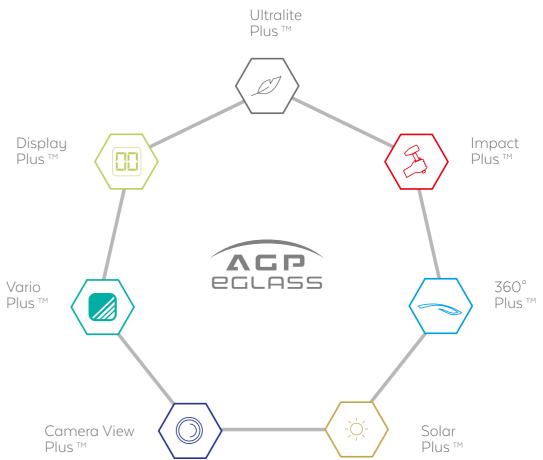
Service and customer experience-focused processes and products: All our efforts push towards giving the best results for our clients.

Creating opportunities for growth by pushing the limits of what is standard in the industry.

Tailored for the future of mobility

Core Tech Solutions







Ultralite Plus ™

lt isn't just light



35% lighter glazing | larger HUD | faster acceleration | lighter window components | better handling | faster defrosting | advanced optic | reduced CO2 emissions

We support the fulfillment of ambitious design and performance mobility challenges:

- enables more efficient and lightweight car constructions
- improves the car's general performance (acceleration and energy efficiency)
- Soda Lime Glass | Alumino Silicate Glass hybrid composition an advanced chemical strengthening process
- maintains good acoustic and stiffness performance

Up to 35% lighter glazing





Impact Plus ™ Enhanced passenger safety



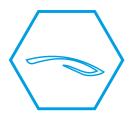
up to three times more resistant than standard laminated glass | reduces probability of breakage

We enable car manufacturers to build cars with high safety standards, while providing all constructional comfort.

- meets ANSI Z26, ECR43 and EN356 requirements
- top performance in high and low temperatures
- outperforms thicker standard laminated glass without compromising stiffness

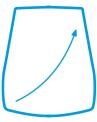
Lighter and stronger





360° PLUSTM

Maximum freedom when designing the car of the future



largest windshields ever installed in a passenger vehicle advanced bending capabilities for up to 4 m² glass surface through press bending technologies

We make incomparable designs possible. Due to our technology, we are able to produce the most complex glass on the market in large sizes.

- advanced bending technologies for complex shapes
- bending depth of up to 400 mm
- minimum bending radius of around 100 mm
- tight surface tolerance to achieve perfectly fitted shapes
- $\cdot\,$ gives the driver and passengers a feeling of openness and a panoramic view

Design freedom



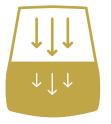






Solar Plus ™

Thermal comfort and full connectivity



TTS (Total Transmitted Solar-Energy) of 45% with non-metallic configuration for windshields | TTS of 22% with non-metallic configuration for dark tinted rear sidelites, backlites or glass roofs

We enable superior solar performance without compromising car connectivity by using non-metallic coatings for cabin comfort.

- no EMI (ElectroMagnetic Interference)
- less AC power consumption
- \cdot low E coatings can be applied to the surface 4 for thermal comfort all year round







Camera View Plus[™]

Clearest view - facing the future



ready to meet the requirements of the most advanced autonomous driving systems

We develop best-in-class windshields based on the specifications of our clients. We individually test them to provide demonstrable results:

- optical power under 100 millidiopters
- tailored for every system and customer
- available in the industry's largest and most complex shapes

Advanced optics enable highly automated driving systems



eglass



Vario Plus TM INVISIBLINDS

Privacy through individually controllable zones



multiple transparency adjustment zones

We guarantee the ultimate comfort for every passenger, in all situations.

- invisible blinds
- gray color for stunning elegance
- controlled by touch

The passenger sets the tone





Display Plus TM

Your field of view is the focus



information suiting your needs | modern, clean & beautiful

We turn glass into your personal control center:

- transparent display
- presents data without requiring the user to refocus
- \cdot centers the field of view
- easier, more intuitive functionality increases the driver's safety

Modern solutions for car design

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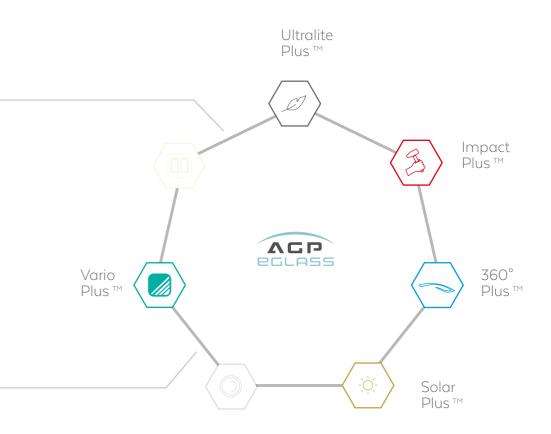
Advanced roof technology

AGP Vario Plus Sky





Touch Control ™



Vario Plus Sky

The Vario Plus Sky is the new pinnacle of automotive glazing. The next dimension of panoramic roofs. A grand experience giving you the feeling of openness and empowerment – as if you could actually touch the sky.

Decide at any time, if you want to feel the sunlight or enjoy privacy under the elegant roof. By touch and through individually controlled integrated blinds you choose ambiance and reading light. Ultralight as it is, Vario Plus Sky reduces CO2 emissions and improves car handling. It can go up to 4 m² in surface and allows complex shapes. It provides remarkable headspace to let you feel absolutely free. In Vario Plus Sky you will find the engaging power of glass redesigned for the needs of future mobility. Beyond that, it is outstandingly beautiful – in its appearance and its usability.

Let's create the future of mobility, together. Get in touch with the benefits of Vario Plus Sky.

The sky is the limit.





Lux Reading Light [™]

Light without a switch



panoramic star panel | independent reading lights for cabin comfort and passenger empowerment

We let you touch the stars.

- invisibly embedded in the glass panel
- switched on by a simple touch

As if you could touch the sky





Touch Control [™]

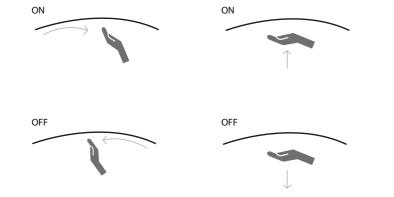
Feel the difference



HUE control | light switch | personal zone conduction

We put total control into your hands.

- no mechanical components needed
- embedded touch sensors
- handled by a simple touch
- empowering experience, modern and individualized







We are ready for you.



The sky is the limit.



We are believers.

We are enablers.

We are AGP eGlass.

Notes



www.agpglass.com