

# DA||GLASS

**WE CHANGE THE PROPERTIES OF GLASS**

# Advanced technology in glass processing

DA||GLASS



OVER **30** YEARS  
OF EXPERIENCE



OVER **140**  
EMPLOYEES



EXTENSIVE **R&D**  
DEPARTMENT



OVER  
**10 000 m<sup>2</sup>**

# COMPANY PROFILE

DAGLASS

DAGLASS is a company operating on the national and global markets specializing in the glass processing for over 30 years. We develop and implement our own technologies of chemical and physical production of flat glass.

1989

## OVER 30 YEARS OF EXPERIENCE

Successfully operating since 1989



## EXTENSIVE R&D DEPARTMENT

All DAGLASS products and solutions are the result of works our R&D Department.



## TRUE INNOVATION

DAGLASS is a leading company in terms of patent applications. At present we possess 15 patents.



**Over 30 years  
of experience  
- one vision,  
one goal**

**DA||GLASS**

# DAGLASS PORTFOLIO



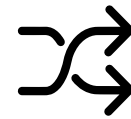
**NANO-BARREN™  
ANTISEPTIC GLASS**



**ANTI-REFLECTIVE GLASS**



**DIAMOND GLASS**



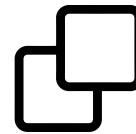
**DIFFUSED GLASS**



**NON-GLARE GLASS**



**DOUBLE GLAZED GLASS**



**THERMALLY TEMPERED  
AND LAMINATED GLASS**



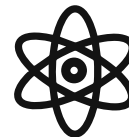
**MATT GLASS**



**COLOURED GLASS**



**PRINTED GLASS**



**MAGNETRON GLASS**

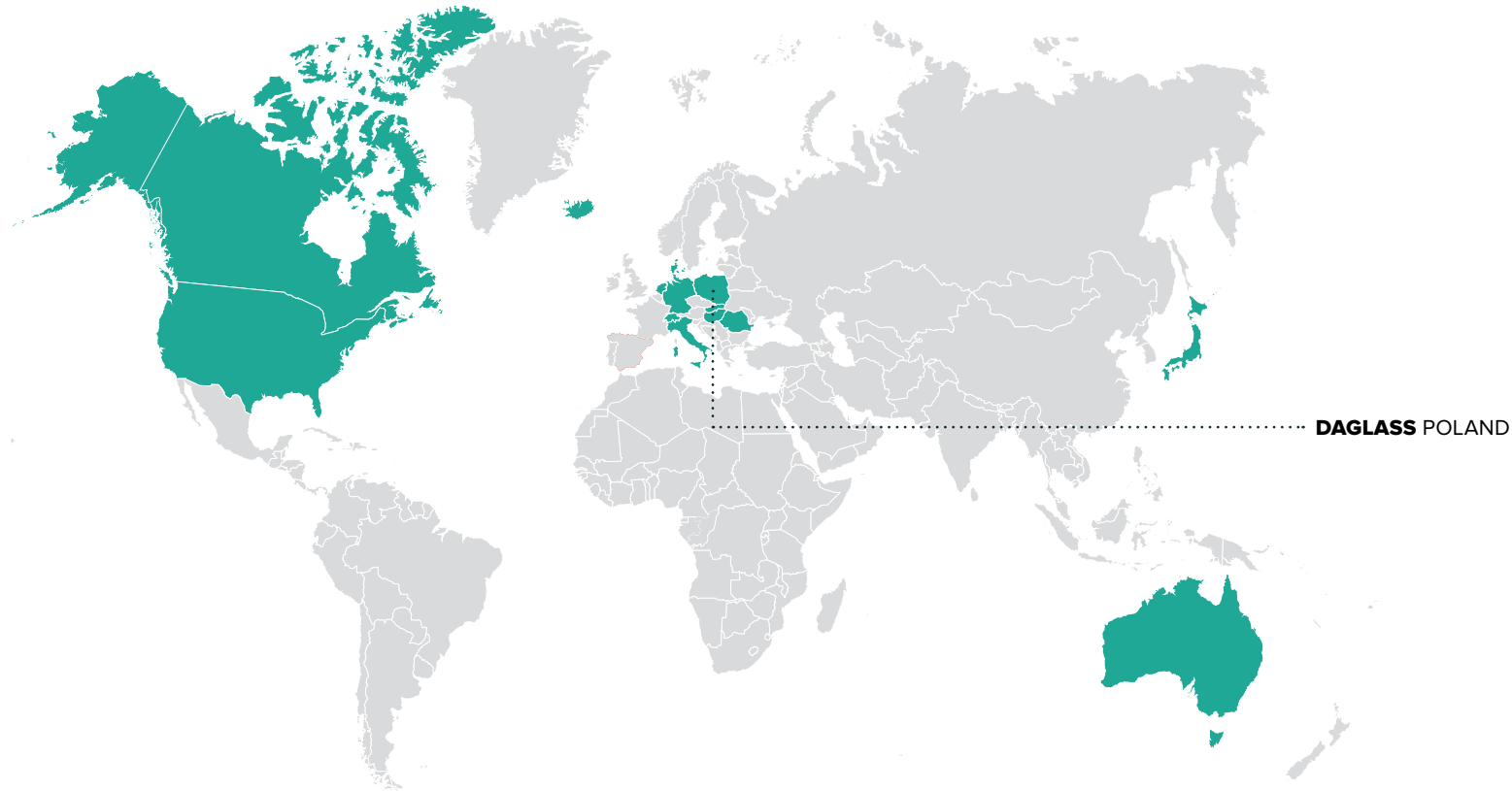


**MIRRORS**



# WORLDWIDE PRESENCE

DA||GLASS



## WE SELL **OUR PRODUCTS** IN POLAND AND WORLDWIDE

- Australia
- Canada
- Denmark
- Germany
- Hungary
- Iceland
- Italy
- Japan
- Poland
- Romania
- Slovakia
- Switzerland
- The Netherlands
- United States

# BUSINESS SECTORS



## GREENHOUSE INDUSTRY

- Anti-reflective Glass
- Diffused Glass
- Biocidal Glass



## ARCHITECTURE INDUSTRY

- Laminated Glass
- Diamond Glass
- Double Glazed Glass
- Coloured Glass



## MEDICAL INDUSTRY

- NANO-BAREN™ Antiseptic Glass
- NON-GLARE Glass
- Printed Glass



## DIGITAL SIGNAGE

- NON-GLARE Glass
- Anti-reflective Glass
- Diamond Glass
- NANO-BAREN™ Antiseptic Glass



## FOOD SERVICE INDUSTRY

- NANO-BAREN™ Antiseptic Glass
- Anti-reflective Glass
- Diamond Glass
- Heated Glass



## RENEWABLE ENERGY

- Anti-reflective Glass
- Diffused Glass



## LIGHTING INDUSTRY

- Anti-reflective Glass
- Diffused Glass



## AUTOMOTIVE AND AVIATION INDUSTRY

- NON-GLARE Glass
- Anti-reflective Glass
- Diamond Glass





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**+ 480 000 m<sup>2</sup>**  
**OF PROCESSED GLASS**



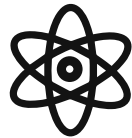
# DAGLASS R&D DEPARTMENT

DAGLASS

The R&D Department conducts research in the following areas:



**LIGHT TRANSMISSION**



**MAGNETRON  
TECHNOLOGY**



**CHEMICAL GLASS  
PROCESSING**



**ADDITIONAL  
FUNCTIONALITY  
OF THE GLASS**



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# WE TAKE CARE OF OUR PLANET

DAGLASS

Sustainable protection of the environment is aimed at maintaining a healthy natural environment and taking a number of activities preventing negative effects that ongoing work of a large enterprise may cause. To achieve this DAGLASS has launched necessary politics and actions, including:

- innovative heat recovery system - which gives a possibility to heat the production plant using the air heated during the production processes
- reverse system reducing the harmfulness of exhaust gases in the furnace
- continuous modification of production processes so that they are environmentally friendly with the use of innovative technologies and modern machinery
- training of employees focused on environmental protection.



# Technology in the service of safety

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PRODUKT Z ATESTEM

CERTIFIED PRODUCT

# NANO-BAREN™ ANTISEPTIC GLASS

DAGLASS

nano  
barren™

NANO-BAREN™ Glass is the result of long-term research & development activity. The high vacuum sputtering technology used to produce this type of glass provides high-end nanolayers of the extraordinary features.

NANO-BAREN™ Glass serves as a protective and active shield from any strains of bacteria or fungi, and does not require for its activity UV irradiation.

NANO-BAREN™ Glass has self-cleaning properties that result from the chemical composition of the nanolayers. It protects both the surface and the user from infection. DAGLASS NANO-BAREN™ technology delivers high level of reproducibility and uniformity and offers full control of nanolayers thickness on sputtered surfaces. The composition of NANO-BAREN™ Glass does not contain silver in any form, hence it is completely safe and neutral for the human body.

## APPLICATIONS

- Hospitals and medical facilities
- Pharmacies
- HoReCa sector
- Airports
- Public places
- Laboratories
- Public transport
- High-tech food industry



# Technologically advanced glass for everyday use

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# DIAMOND GLASS

DAGLASS



Diamond Glass - the glass that is highly resistant with a diamond coating. The high-vacuum magnetron sputtering technique forms a nanolayer protecting the glass from scratches. DAGLASS Diamond Glass guarantees that it is practically impossible to scratch its surface, like a diamond surface which is hard, crystal, and resistant to scratch.

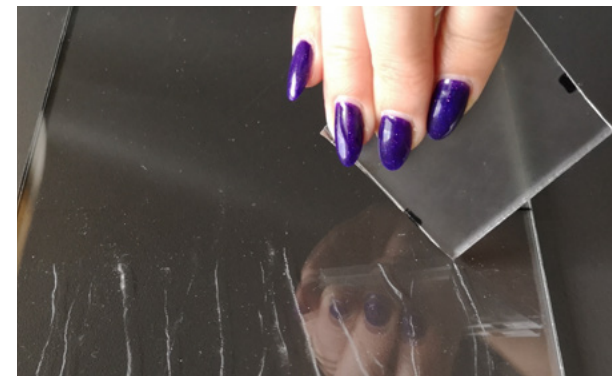
Furthermore, DAGLASS Diamond Glass has a number of features, including:

- higher resistance to scratches
- easy to clean and hydrophobic surface
- enhanced resistance during treatment
- high light transmittance

## APPLICATIONS

- Public places
- Airports
- Public transport
- Commercial spaces
- Exterior architecture Sanitary facilities
- SPA zones
- Production zones & CNC

Diamond Glass can be applied in the places, where the surface is exposed to external factors such as water, organic – non-organic dirt or other mechanical factors such as scratches and it can be also used as a protection against vandalism. →



# Reflexes under control

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# ANTI-REFLECTIVE GLASS

DAGLASS



The highest transparency and vivid colours without reflections are guaranteed by DAGLASS Anti-reflective Glass, which is made according to our patented technology. Due to the special chemical process, the morphology and chemical composition are modified on the glass surface. An effective anti-reflective coating increases the light transmittance and reduces reflections, making the glass virtually invisible.

DAGLASS AR Glass:

- May be subjected to any mechanical treatment without the risk of damaging the AR coating;
- The use of patented nanotechnology increases the light transmittance between 6% and 7%;
- Can be combined with other DAGLASS products, including the NON-GLARE Glass and Diffused Glass.

The maximum size of diffuse glass panels reaches 3210 mm x 2250 mm

## APPLICATIONS

- Public places
- Auto & aviation industry
- Commercial spaces
- Exterior architecture
- Educational institutions and museums
- Lighting industry
- Greenhouse industry
- Renewable Energy



**We diffuse  
the light,  
we focus your  
attention**

**DA||GLASS**

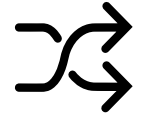


# DIFFUSED GLASS

DAGLASS

DAGLASS Diffused Glass diffuses the light in a controlled manner, proportionally to the percent of the glass haze, which can be adjusted to the intensity of the lighting. Diffused Glass is perfect for greenhouse glass panels. It is possible to adjust the degree of light scattering to the individual needs of plant species and different climatic zones.

DAGLASS has unique solutions for glass applications and greenhouse construction in various geography latitudes, depending on the cultivation. Whereas the manufacturers of lighting equipment appreciate Diffused Glass as it reduces the light point effect emitted by LEDs. In addition, diffused glass has self-cleaning properties and higher mechanical and load resistance.



## APPLICATIONS

- Greenhouse industry
- Exterior and interior architecture
- Lighting industry
- Construction industry



# Spot the difference

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# NON-GLARE GLASS

DAGLASS



DAGLASS NON-GLARE Glass is manufactured in our own etching process. Highly-advanced technological capabilities enable us to change one or two surfaces of the glass, providing uniform, homogeneous surface structure for high resolution application. NON-GLARE Glass disperses reflected light, allowing the user to focus on the transmitted image. As a result, the perception of the image increases significantly. The NON-GLARE Glass has anti-finger print feature. Therefore, our DAGLASS NON-GLARE Glass is available in several etching levels.

## APPLICATIONS

- Public places
- Auto & aviation industry
- Exterior architecture
- Educational and museum facilities
- Electronic industry
- Medical apparatus
- Advertising panels

LIGHT REFLECTIONS

NON-GLARE EFFECT

The NON-GLARE layer can be combined with DAGLASS AR anti-reflective coating.

The technology combines two processes (AR in the nanometric scale and NON-GLARE in the micrometric scale).





**Many possibilities,  
even more  
applications**

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# THERMALLY TEMPERED, LAMINATED, DOUBLE GLAZED GLASS

DAGLASS



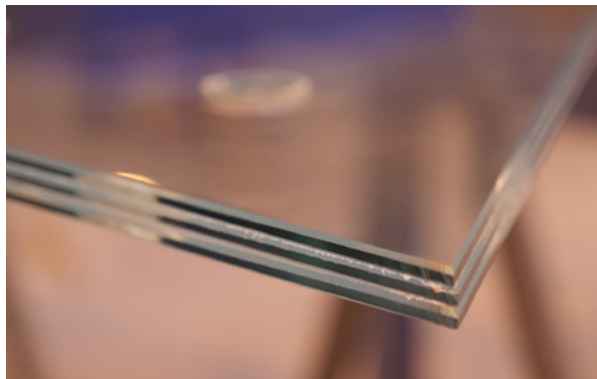
DAGLASS has its own hardening furnace. Thermally Tempered Glass is obtained in a special thermal treatment, which significantly increases the glass resistance to breaking. Due to the hardening process, internal stresses are changed, thus resistance to mechanical damage and bending is higher. Therefore, Thermally Tempered Glass is safe as in case of damage, it breaks into small pieces without sharp edges.

Another type of safety glass is Laminated Glass (ESG-VSG). As the foil is used between the glass panes, the glass stable in case of breaking and will not fall out from the frame.

DAGLASS also offers Double-Glazed Glass, which consists of 2, 3 or 4 glass panes separated by a spacer, and at the same time permanently connected with the use of sealing.

## APPLICATIONS

- Public places
- Auto & aviation industry
- Commercial spaces
- Exterior and interior architecture
- Manufacturing center
- Interior design





**HAIR STUDIO KARINA  
WITKOWSKA**

The NANO-BARREN™  
antiseptic glass was  
used as glass partitions  
separating workstations.



**DA||GLASS**



**nano  
barren™**  
ANTISEPTIC GLASS



# PROJECTS



## VILLA ALIANO INVESTMENT IN WARSAW ←

Thermally Tempered Laminated Glass (ESG, VSG) 44.2 was installed as balcony railings.



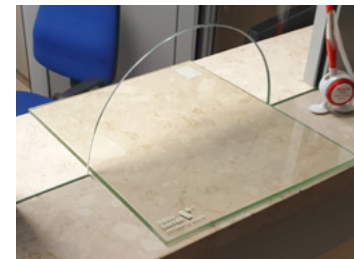
## → 55 "GLASS PANEL IN AN INTERACTIVE TOUCH SCREEN KIOSK

Anti-reflective, Thermally Tempered and Laminated (VSG ESG) Glass was used as the glass panel in an interactive touch screen kiosk.



## → INSTYTUT MATKI I DZIECKA

NANO-BARREN™ Antiseptic Glass was mounted on medical counters.



## → INTERACTIVE TABLE

DAGLASS NON-GLARE Glass with a ceramic print was used as a touch-screen combined with a wooden table.

# Contact

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