

A low-angle, upward-looking photograph of a modern building's glass facade. The image shows a complex grid of dark metal frames holding large glass panels. The sky is visible through the glass, and the overall color palette is dominated by blues and greys. In the bottom right corner, a yellow banner with the word 'Departures' is partially visible.

ARCHITECTURAL & SECURITY

**PERFORMANCE GLASS
FOR BUILDINGS
& VEHICLES**

You imagine, we deliver

Dellner-Romag will work
with you, every step
of the way

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Precision Performance Protection in Glass

With 125,000 square feet of manufacturing space and over 70 years of experience, Dellner-Romag is a world leader in glass for Architectural and Security markets.

Precision

Dellner-Romag are passionate about creative design and our technical designers work seamlessly with representatives from all stages of the design and manufacturing process to deliver striking projects on a global scale.

Daresbury Sci Tech University: Dellner-Romag supplied tinted and laminated glass panels for a series of sculptures. Cut and shaped to high tolerances using our water-jet cutting technology.



Bespoke, scalable solutions

With 125,000 square feet of manufacturing space and over 70 years of experience, Dellner-Romag is a world leader in glass for Architectural and Security markets.

Today's demands for high quality glass with outstanding optical properties requires the best production facilities. Investment in technologies and machinery has meant that Dellner-Romag are capable of producing a diverse range of products that push the boundaries of what is possible with glass; from traditional glazing applications such as curtain walls, flooring, staircases and balustrades to robust security glazing for buildings and vehicles.

Dellner-Romag specialise in bespoke projects and operate in many diverse markets. However, bespoke doesn't always mean small quantities; for example, we produced 3000 individually shaped and curved laminates for a winter garden and restaurant project at a historic English castle. This unique structure closely resembles 'bubbles' of glass now complete.

Whatever the scale of your project, Dellner-Romag's industry-leading design team and multi-skilled, highly experienced workforce will provide quality glass that gives you the edge in your market.

A service driven company, our technical design team are second to none. From concept to completion we will support you every step of the way to fulfil your design brief, however complex it may be.

Our technical design team has the specialist experience and know-how to keep pace with architectural and security innovations. We take customers' exacting new specifications and standards on board to develop the very best solutions.

Doing so, Dellner-Romag have secured many design and build contracts, like Oasis 21 in Japan - a floating, glass bottomed lake positioned 45ft in the air at the heart of a busy shopping centre, and the first blast resistant glass wall between airside and landside at one of the UK's busiest airports.

Exchange Square: Dellner-Romag supplied toughened, laminated, shaped glass canopies for the tram stations at Manchester's Exchange Square.



“ Whatever
the project, you
imagine and we
deliver ”

From our factory in County Durham in the heart of the idyllic British countryside, Dellner-Romag manufacture world-leading glass for Architectural, Security and Transport markets. Investment in toughening lines, state of the art glass cutters and a suite of temperature and humidity controlled clean rooms to ensure glass laminates are of the highest quality - every time.

Our dedication to quality and innovation has meant our glass is present in some of the world's most iconic structures and vehicles. Creative ideas often emerge from collaborations with specifiers, and we always rise to a challenge. For instance, manufacturing bespoke tinted glass sculptures or constructing a vision-panel able to withstand the blast of a grenade. These are all bespoke solutions which Dellner-Romag has successfully delivered.

Dellner-Romag is an ISO: 9001 and ISO: 14001 accredited business; and all our products are fully tested and certified independently to the latest relevant European and NATO (STANAG) standards as well as many others that predate them.

We will provide high quality glass that gives you the edge in your market; whether you design or safeguard buildings, or manufacture military and commercial vehicles. Whatever the project, you imagine and we deliver.

Oasis 21, Japan: A floating glass floor consisting of 1089 structural panels for a glass-bottomed lake with a walk-on glass perimeter



Performance

As one of the oldest and most experienced glass processors in the UK, Dellner-Romag has the technical expertise to produce glass that performs multiple functions. Our advanced production and testing facilities, paired with our talented and experienced staff ensure we are able to excel in a highly technical, competitive supply chain.

London Zoo, 'Land of the lions': An anti-reflective glass of less than 1% reflection and 97% light transmission, uniquely manufactured to high levels of safety and security.



Pioneering glass technology

As technology has evolved and manufacturing techniques have become more complex, glass is fast becoming the building material of the 21st Century. Bold installations have become more creative and practical but also multi-functional.

MATERIALS

Our product begins life as raw, flat annealed glass. Dellner-Romag liaise with suppliers globally to source state-of-the-art raw materials; as such we provide the very best the glass industry has to offer. Such as standard float glass, crystal clear low iron glass and wireless self-tinting solar control glass - all with optimal and unbeatable clarity.

STRUCTURAL GLASS

With our state of the art manufacturing machinery, we create both simple and complex structural shapes that often include a variety of drill hole configurations to suit point-fix inserts for seamless architectural designs.

Our unique laminating process incorporates high performance interlayers that ensure the glass is

capable of withstanding significant structural loads, whilst retaining a slim profile. Dellner-Romag create structural glass to suit many types of applications such as glass flooring to allow light into dark or subterranean rooms, acoustic partition walls, external facades, curtain-walling, staircases and balustrades.

CURVED GLASS

Dellner-Romag's ability to manufacture curved glass to our clients' precise requirements is what truly sets us apart in the marketplace. Creating curves is a highly skilled process conducted by our dedicated fabrication team. Every curve requires bespoke tooling which is fabricated in-house. We also have the ability to produce curved glass to templates. We can laminate, drill, print and even double-glaze our curved glass.

Flora Hall, Royal Opera House: Curved, double glazed units for the impressive glass barrel vault roof using specialist, solar control glass.



COATED GLASS

Surface coatings can be applied to glass to modify its appearance and functionality. Many advanced properties such as anti-reflection, low UV transmittance and self-cleaning are due to technologically advanced coatings available from Dellner-Romag. Our passion for creative and functional design ensures Dellner-Romag is uniquely positioned to offer glass with these properties using multiple laminates and interlayers to create extraordinary, high performance projects.

EMBELLISHMENT

We are passionate about creative design and our technical team work seamlessly with our clients to deliver striking projects. Dellner-Romag have the technical capacity to laminate vibrant colours into the glass, and to screen-print custom designs. We also provide printed laminate interlayers for highly detailed, photographic effects.

SECURITY

Dellner-Romag supply security glass all over the world; from robust physical security to bullet and blast resistant specifications. Using a unique skillset

honed over decades in the industry, Dellner-Romag provide high levels of protection with superior optical qualities - fully tested and certified by independent bodies.

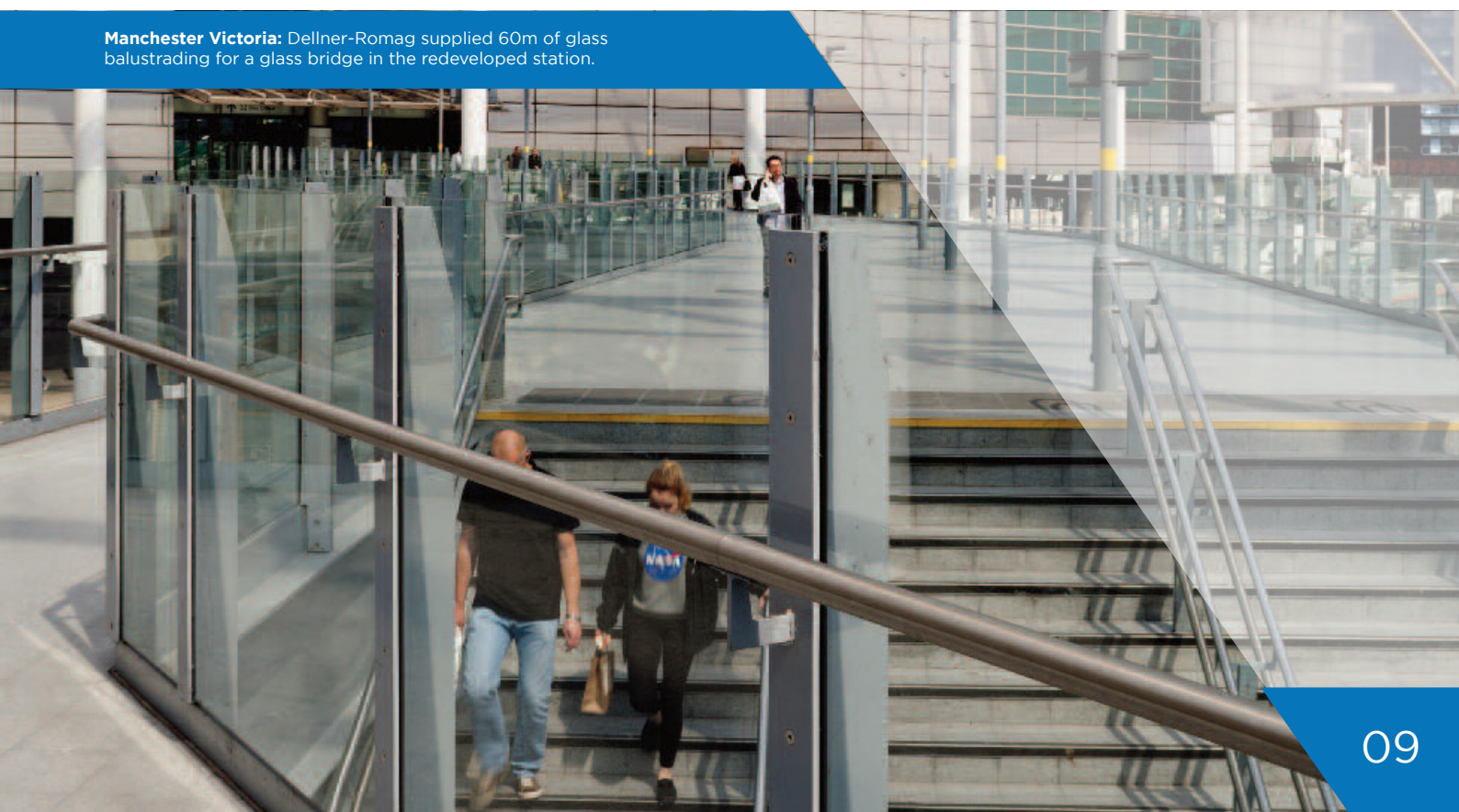
TECHNOLOGY

Innovation is in our heritage; we are constantly looking for new ways to incorporate new technologies in our product range. Dellner-Romag have the experience and know-how to laminate touch-sensitive foil into glass for kiosks and self-service ticketing as well as multi-user tables and curved cabinets for the gaming industry.

We have also expanded into digital signage solutions, where the glass is used to provide robust protection for indoor and outdoor deployment whilst maintaining optimal clarity.

Whether you wish to use glass as a structural building material, form functional curves, add colour and print to customise your design, improve the technical performance of the glass or stop bullets - Dellner-Romag offer bespoke solutions

Manchester Victoria: Dellner-Romag supplied 60m of glass balustrading for a glass bridge in the redeveloped station.



Protection

For Dellner-Romag, life began manufacturing safety goggles for RAF pilots in the second world war; today we are market leaders in security glazing. If security is paramount in your organisation, Dellner-Romag has an unrivalled range of proven products tested to the latest international standards.

Natural History Museum: Dellner-Romag supplied specialist glass for display cabinets utilising the latest glass technology in clarity and security.



The ultimate in glass protection

We firmly believe that our glass not only needs to look good in terms of aesthetics and optical quality, it must also perform - every time.

Glass serves a very simple purpose; to provide steadfast protection without hindering visibility. Whether it be UV protection against photodegradation for museums and galleries, or vision panels for military vehicles patrolling active warzones; Dellner-Romag has the solution.

PHYSICAL SECURITY

Our physical security glass range is an anti-bandit and anti-intruder glass designed to resist sustained and aggressive attack. The main purpose is to prevent "smash and grab crime", which costs UK businesses £millions every year; this also extends to protection for staff, who can sit comfortably behind our anti-spall glass screens. The glass is tested to BS EN 356 and is fully customisable increasing its suitability to a multitude of applications.

BULLET RESISTANT

Our bullet resistant glass composites provide protection to many high-risk military installations, government buildings, embassies, vehicles and VIP residences worldwide.

Manufactured from several layers of glass and bonded together with tough polyvinyl butyral (PVB) and polyurethane interlayers, our bullet resistant glass range is engineered to withstand ballistic threats in accordance with BS EN 1063.

Dellner-Romag's continual investment in research and development ensures we now boast the thinnest and lightest bullet resistant glass on the market - allowing for seamless integration into everyday constructions.

BLAST RESISTANT

Using glass polycarbonate laminating technology, we supply blast resistant glass to high risk public and military installations.

The unique design of the glass incorporates flexible PVB and anti-spall technology which prevents fragmentation of the glass. The elasticity of the glass absorbs and disperses energy under the pressure of an explosive attack and as such demands a certified framing system to accommodate energy absorption.

TESTING FACILITY

We are proud to have an onsite testing facility including an indoor ballistic range and air cannon. Highly technical, it allows us to fire live ammunition in real-life conditions including extreme heat and extreme cold. Clients are welcome to join us on testing days to see how our glass performs.

Whatever the scale of your project - be it for art installations, exhibitions, buildings or vehicles - our multi-skilled workforce will work with you every step of the way with industry leading glass that gives you the edge in your market.

Military vehicles and machinery: Tested to the latest European and NATO standards (STANAG). Dellner-Romag supplies security glass for use in active warzones.



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of the way

www.dellner-romag.co.uk

You imagine, we deliver



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The achievements shown in this brochure are the latest examples of how Dellner-Romag continually push the boundaries of what is possible with glass. As far as your imagination takes you, Dellner-Romag has the unique experience, technical expertise and creativity to develop and deliver the perfect bespoke solution - to the highest standards of performance, precision and protection.

Let's start exploring the possibilities together.