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Bus Design & Interiors

Dellner Glass Solutions Ltd

Pioneering Sustainable Glazing and Cab Protection for the Global Transport Industry



Dellner Glass Solutions is a part of the global Dellner Group, a world-leading, customer-oriented supplier of sustainable products and solutions across the transportation, material handling, wind, marine, oil and gas industries. Headquartered in Borlänge, Sweden, the Dellner Group boasts an annual turnover of more than EUR 200m.

Our strategic approach focuses on designing, engineering, manufacturing, testing and supplying specialist glazing products such as bodyside windows, manual doors and emergency exit doors, driver's cab

signal windows, driver cab protection (doors and screens) and emergency egress windows.

Our bodyside window systems involve fully framed windows being permanently fixed to the vehicle structure (usually through bonding) and on removal of an internal profile the glass only can be removed and replaced within a few minutes. Our hopper windows can be supplied as single or twin opening vents for passenger use; however, we also have options to provide locking hoppers and similar options exist for our sliding window designs. Our range of bodyside windows includes options on glass thickness, as customers seek to reduce weight, and we can provide glass thickness as thin as 3mm to work within our framing systems.



Driver protection screens have been supplied by our Tamworth site for nearly 30 years. Developed originally as assault doors only, these became more of a necessity for the bus market, and we designed forward/front screens to match – to provide full cab protection. The doors and screens are a mixture of aluminium and polycarbonate fabrication, designed to protect drivers from unruly passengers, although in the current climate serve also as protection screens for airborne viruses.

The assault doors can be supplied with fully fixed polycarbonate glazing or sliding panes (lift or drop) with intermediate open positions. The lower part of the door is provided with aluminium panelling or can be incorporated into plastic/GRP skins. As a core product for our Tamworth site, we have the ability to mark our polycarbonate to ECE R43 glazing requirements for vehicles.

The front screens can be shaped to meet the visual needs within a cab (reflection, position of mirrors etc.) and fixed back to the cab desk and upper bulkhead, to ensure a solid fit within the vehicle. Once installed with the door in situ, they provide a safe enclosed environment for the driver.

Although we design and manufacture the bulk of cab protection products for OEM builders, our designs are flexible enough to be amended to suit any vehicle cab, so even vehicles in service can be retrofitted with our cab protection systems – ensuring your staff are safe at work.

At Dellner Glass Solutions, sustainability is at the core of our operations. We are committed to minimising our environmental impact through innovative practices and sustainable manufacturing processes. Our manufacturing units underscore this commitment: our Tamworth site is dedicated to metal fabrication and assembly work, and our Consett site produces specialist glass products. Both sites are equipped to deliver complex, high-performance product assemblies for the transport, architectural, security and military markets, all while adhering to sustainable practices.

The Tamworth manufacturing site features multiple CNC saws, CNC machining centres, forming machines, welding capabilities (EN15085), sheet metal fabrication, in-house wet and powder coating, a certified bonding area (DIN 6701-A1) and various assembly sections. These capabilities allow us to create a wide spectrum of



products tailored to our customers' specifications, with sustainability integrated into every step.

Our Consett facility is equipped with a toughening furnace, printing, lamination, including clean rooms, multiple bending furnaces and autoclaves. We produce thousands of glazing systems annually, ranging from simple laminates to complex bends and curves, all while maintaining a focus on reducing our carbon footprint.

Our success relies not only on our comprehensive equipment and capabilities but also on the expertise and dedication of our employees. Many of them have devoted their careers to our business, bringing invaluable knowledge and passion to our mission. Together, we continually strive to be our customers' number one choice by delivering innovative, high-quality and sustainable solutions.

In short, Dellner Glass Solutions is a glass and fabrication specialist for the global transport, architectural and security markets. We create added value to your product, project and processes with sustainable industry leading engineering and manufacturing capabilities.

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