



# Window Systems

## Quick-change SQC window systems from HÜBNER Group

The quick-change window system SQC from the HÜBNER Group and Kunststofftechnik Hennigsdorf has revolutionized the maintenance of rail vehicles with fast and uncomplicated window changes.

Thanks to a special rubber mounting frame and an innovative clamping profile, the windows can be changed in less than 20 minutes – without having to remove the interior fittings or carry out time-consuming gluing work. This significantly reduces downtimes and minimizes maintenance costs.

### System benefits:

- Minimal downtimes and quick window replacement from outside the vehicle
- No lengthy workshop visits or time-consuming cutting out of adhesive seams
- No disassembly of interior fixtures necessary
- Significant savings per window replacement and in overall life cycle costs
- Simple handling and attractive designs

These window installation systems are particularly beneficial for responding quickly to acts of vandalism such as scratched windows or graffiti. Replacement work is done completely from outside the vehicle, which is ideal for fast and efficient repairs.

### System solutions are available for:

- Front windows
- Hinged windows
- Fixed windows
- Sliding windows
- Driver's cab windows
- Destination display windows
- Rotating windows
- Emergency exit windows

**All window variants are also available in bonded and screwed-on installation systems.**

The HÜBNER Group company **Kunststofftechnik Hennigsdorf** can provide technical support and advice for your projects starting directly in the early concept and development phases. Together with your development team, we can analyze your vehicle body interfaces to find the best window system solutions for your requirements.

## SQC window system



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Source: ZEISS Microoptics

## The future of attractive public transport – with holography.

In cooperation with ZEISS Microoptics, the HÜBNER Group is developing holographic display technology for window systems in trains and buses. These intelligent components offer passengers more comfort and convenience in their daily use of public transport.

### Customer benefits:

- Direct integration in window systems
- More passenger convenience through direct information display in the area of view
- More economical and energy efficient than current OLED systems
- High image resolution and extreme transparency of over 90 percent
- In contrast to conventional OLED systems, holographic displays can show different content on the same surface depending on the angle of view
- Temperature resistant and significantly more robust than OLED displays

### Holographic displays in windows



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## Protection & sealing - Wide range of rubber and silicone products

HÜBNER offers rubber and silicone products for protection, damping, sealing and insulation – from miniature precision parts to large heavy-duty seals. With more than 400 compound formulas, HÜBNER provides customized solutions for rail applications. The company's offerings range from consultation, to design and production of prototypes, to regular serial production.

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