

# Worldwide expansion of **LiSEC** portfolio and partnerships

From float glass remnant disposal to laser precision machining, LiSEC is revolutionizing glass processing with its cutting-edge technology and strategic global collaborations - enhancing automation, sustainability and efficiency. The company's partnerships with Finstral, CDS, Clarity Glass and Olympic Glass all strengthen its industry leadership - delivering reliable, innovative solutions that set new benchmarks in high-performance manufacturing worldwide.



## **OPTIMIZED FLOAT GLASS REMNANT DISPOSAL**

LiSEC's GSA-CF system efficiently breaks down float glass remnants and transports them into a waste glass container - ensuring uninterrupted production. Unlike the GSA-CL, designed for laminated glass remnants, the GSA-CF is specifically-tailored for float glass disposal. The system comprises a highly durable wave-belt conveyor that's made of metal, a glass breaker ascending conveyor belt, and a discharge unit. Here glass remnants fall onto the flat conveyor where they get broken down by means of a star roller before being transported to the ascending conveyor and into a level-monitored broken

glass container.

From the breakout station, float glass remnants fall onto a high-strength metal conveyor belt below, which transports them to a slow-rotating star roller. This process ensures quiet and low-dust breakdown before the shards are collected in a level-monitored, sound-insulated container - preventing glass dust contamination of surrounding components.

Designed for companies processing float glass waste up to 19mm thick and 300mm wide, the sys-

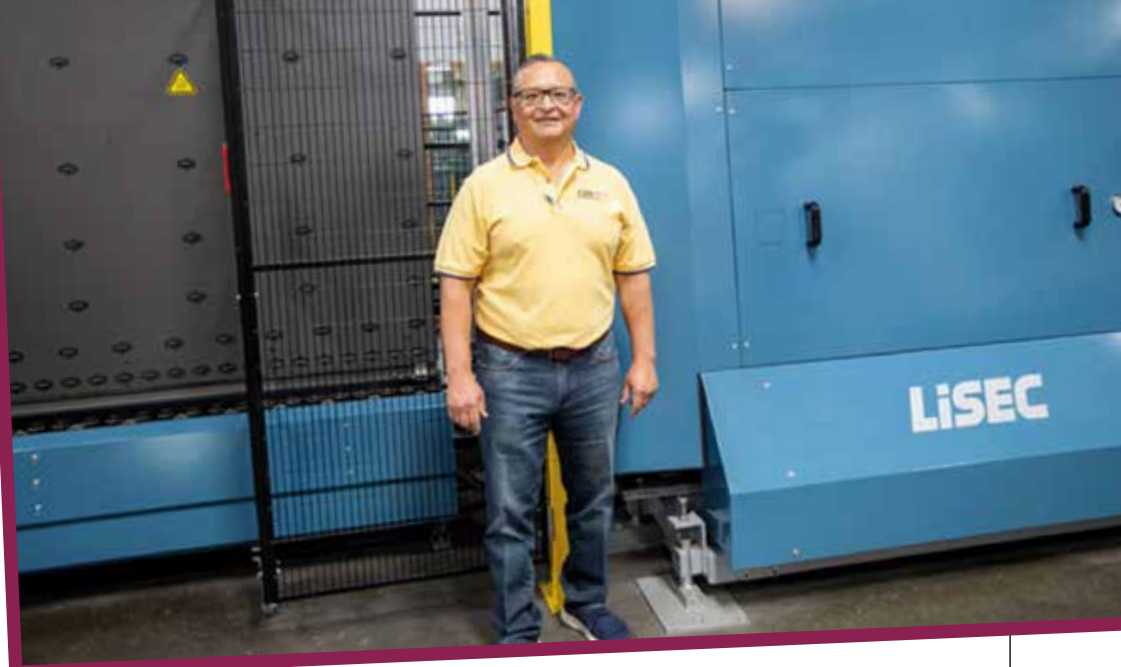
tem accommodates glass lengths that match the float glass cutting table's maximum capacity.

### **LISEC'S UNIQUE COLLABORATION WITH COMMERCIAL DISPLAY SYSTEMS**

Founded in 2002 in Los Angeles, California, Commercial Display Systems (CDS) has grown into an independent refrigeration door company. Seeking increased productivity, CDS identified LiSEC as its ideal solution provider. Here's why it initiated a partnership in 2016 that has since

redefined its production efficiency.

At GlassBuild America, too, CDS was impressed by LiSEC's insulating glass line and software solutions. After visiting a glass processing facility in Northern California, CDS confirmed LiSEC's equipment was the right choice. For frame processing of refrigerator doors and windows, CDS employs a LiSEC A1RL-F desiccant filler and an LBH-25V semi-automatic butyl extruder. Additionally, the BSV-45NK automatic spacer bending machine allows for efficient





processing of aluminum, stainless steel and plastic materials - featuring a four-slot profile magazine with clamping mechanisms for frictionless removal.

The IG line integrates a VHW-D20/V6 automatic washing and drying system, ensuring optimal glass cleanliness prior to processing. The SAF-1000 filter system significantly reduces water consumption, supplying the VHW-D20/V6 with recycled pure water. The RSV N-25/20S is used for frame mounting and inspection while the FPS-25/20U2B gas filling press facilitates precise assembly and gas filling. Finally, the LiSEC VL-1N sealing system guarantees a perfect seal for every unit. Here LiSEC's software, in-

cluding GPS.perfectscan, ensures thorough inspection of each glass sheet. The result is that production time has been reduced from a week to just three days - with improved product quality providing CDS a competitive market advantage.

### **FINSTRAL AND LISEC: PARTNERING FOR SUSTAINABLE INNOVATION**

Founded in 1969 by the

Oberrauch brothers, Finstral has established itself as a pioneer in window construction. With 1,650 employees across 14 sites in Italy and Germany, the company covers the full window construction value chain. Since 1980, Finstral has consistently expanded its use of LiSEC technology.

Beyond product quality and delivery reliability, it prioritizes sustainability

and aims for climate neutrality by 2030. Its collaboration with LiSEC is rooted in trust, innovation and expertise. Florian Oberrauch, Finstral's managing director, emphasizes that "LiSEC designs and builds for the future, combining expertise in production, planning and new project execution."

LiSEC's long standing employees contribute significantly to its expertise







bird protection, LiSEC's laser technology enables sophisticated architectural and design applications. Bird-friendly glass, designed to make surfaces visible to birds, prevents collisions. Traditional solutions, such as stickers and films, often prove ineffective or aesthetically intrusive. LiSEC's laser processing modifies glass transparency and reflectivity, making it perceptible to birds without compromising architectural aesthetics. This innovation minimizes human intervention in ecosystems while maintaining building integrity.

### **CLARITY GLASS AND LISEC: AUTOMATION IN BRAZIL'S TEMPERED GLASS INDUSTRY**

Clarity Glass has emerged as a leader in Brazil's tempered single-glass market, which is known for high-

and success. Indeed the company's continuous drive for innovation is reflected in the connection between machinery and software, exemplified by the all.in.one:solutions concept. Finstral values the reliability and longevity of LiSEC's machines, which operate flawlessly over extended periods - ensuring efficiency and productivity.

### **PORTFOLIO EXPANSION WITH LASER PROCESSING**

LiSEC has integrated cericom GmbH into its laser processing division, enhancing its technological portfolio and strengthening its market position. Known for pioneering laser technology in precision glass processing, cericom

GmbH has been a valued part of the LiSEC Group. Consequently, its transition to LiSEC laser processing marks a strategic milestone. With rising demand for

advanced glass processing, LiSEC laser processing delivers tailored solutions across various industries. Whether for surface frosting, coating removal, complex contact-free drilling or







quality and rapid batch-size-one production. To realize its vision to become Brazil's first fully-automated tempered glass producer, Clarity Glass has now partnered with LiSEC. Operating from an 18,000-square-metre facil-

ity in São José dos Campos with 200 employees, Clarity Glass serves a 600-km radius around São Paulo, focusing on custom tempered glass solutions. Sustainability is central to its operations, with energy sourced from solar and wind providers, glass waste



recycled by a float glass manufacturer and water reused via a treatment system.

Following a 2017 visit to LiSEC in Austria, Clarity Glass placed its first order in 2018. "Needing a company that offers a complete solution, we saw that LiSEC had exactly what we required," said Clarity Glass owner Andre Costa. Factors influencing the company's decision included LiSEC's extensive experience, problem-solving capabilities, and

reliable spare parts supply. Costa highlighted the professionalism of their cooperation: "LiSEC specialists from various fields contributed the expertise the company offered - ensuring a comprehensive and transparent solution." With LiSEC's well-structured and documented installation process, Clarity Glass received a 110-page order detailing every component, from washers to brushes. Said Costa: "LiSEC delivers automation solutions that meet our expectations and ensure daily operational stability. Its robust, reliable construction is crucial for our 24-hour operation, and having its support service in Austria is invaluable."

### **OLYMPIC GLASS: A JOURNEY TO EXCELLENCE WITH LISEC MACHINERY**

Founded in Queensborough, UK, Olympic Glass has grown into a premier glass processor with 90 employees operating in a 98,000-square-foot facility. To further enhance its production capabilities,





Olympic Glass invested in a combined float and laminated glass cutting line from LiSEC.

Gary Jenkins, the company's founder, first encountered LiSEC at glasstec Düsseldorf in 1995. Recognizing the potential for automation, he invested in LiSEC machinery, including three cutting tables, a KSR processing machine, two IG lines and two benders - one being the BSV45-ANK, a rare tool in the UK market. This machine ensures precision, dimensional accuracy, and top corner quality - maintaining glass integrity while



optimizing gas retention. Jenkins attributes Olympic Glass's transformation to LiSEC's advanced automation. His preferred machine, the KSR, enables

fully-automated seaming of rectangles and shapes - ensuring glass is perfectly prepared for further processing like tempering. Jenkins values LiSEC's

commitment to research and innovation, a key reason behind his decision to acquire LiSEC's cutting line showcased at glasstec 2024, now being installed on-site. Looking ahead, his company plans further expansion in collaboration with LiSEC - reinforcing its commitment to quality, efficiency and innovation in the glass industry.



# LiSEC

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