

# LISEC and TRISTAR GLASS: hand-in-hand towards success

## **A** ALL-IN-ONE ARCHITECTURAL GLASS PROVIDER

Specialized in manufacturing high performance insulating glass, Tristar Engineering's core values are summed up well by Rob Carlson: "We are a one-

stop-shop for high performance insulated glass for commercial applications, offering full service fabrication that includes high quality laminated glass, spandrel glass and silkscreen glass. Indeed we pride ourselves in our people and in the relationships we build and

maintain with our customers and suppliers."

## **LISEC AND TRISTAR GLASS**

LiSEC has played an integral role in the company's Houston and Grand Prairie Texas plants, offering both LiSEC insulating lines and

a glass cutting (ESL) line in Houston as well as glass loading (PKL) and glass storage. When compared to other insulated glass lines, Tristar values the high quality and speed that the LiSEC machines bring to its factories. LiSEC has one of the highest outputs.



A fully-integrated architectural glass fabricator founded in 2005, and growing ever since, TRISTAR GLASS currently has three plants - two in Texas, one in Catoosa, Oklahoma. As glazier, LISEC comprises the company's main customer - sharing its ambitious expectations to meet the highest quality standards.

a vast level of knowledge when it comes to sales and service, which is why it's the partner for us and why we decided on a LiSEC IG line for our plant in Grand Prairie, Texas.

### **MORE ON THE INSULATING GLASS LINE**

The operator-friendly and low maintenance line can handle insulating glass units of up to 196" x 106" and has argon gas filling capabilities. The IG-Line is excellent for shapes and 3-sided steps. The fully-automatic system for gas filling, assembly and surface pressing of insulating

The LiSEC cutting table is among the fastest in its class, with cutting and edge deletion in one-step - another reason why Tristar highlights LiSEC as an optimum partner experience when it comes to creating and designing new plant layouts for projects and equipment.

Rob says: "LiSEC is always at the leading edge of technology, focusing on innovating faster methods of production that increase safety and reduce man power. Moreover, LiSEC has





glass units the FPS-U2. The proven system of filling through the bottom edge into the sealed chambers guarantees absolutely turbulence-free gas filling. The 'chamber division' principle developed by LiSEC via retractable sealing strips both minimizes gas consumption and saves resources. The highlights of this line are the LiSEC VFL-1F fully-automatic sealing system for insulating glass units and the VHW-F automatic washing and drying system for flat glass. The VFL-1F has a patented, full-support belt system - ensuring permanent support of the middle glass sheet. The system also ensures exact dosing, executing perfect corners thanks to its four dispensers which postprocess the corner expression. The VHW-F has a self-cleaning warm water filter system that cleans its filter without interrupting production - an integrated pre-washing zone that reduces the



## ABOUT LISEC

With headquarters in Seitenstetten/Amstetten, Austria, LiSEC is a worldwide group of companies that, for 60 years, has provided individual and comprehensive solutions in flat glass processing and refining. Its businesses include machines, automation solutions and services. In 2021, with about 1,100 employees and over 20 locations, the group achieved an export ratio of more than 90 percent, generating sales of more than EUR 200M. LiSEC

develops and manufactures glass-cutting and sorting systems, single components and complete production lines for fabricating both insulating glass and laminated glass, as well as machines for glass-edge processing and tempering. With reliable technology and intelligent automation solutions, LiSEC sets standards in quality and technology - significantly contributing to the success of its customers.

transport time and yields perfectly clear glass sheets in the end. The whole machine is made of stainless steel so there is no chance of corrosion. The thick adjustment and brush speed can be adjusted variably to guarantee the best washing result.



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