

HEGLA GROUP

at Glasstec: creating added value together

Alongside many machines operating in real time, booth A55 in hall 14 will have much to offer at Glasstec this year, with HEGLA Group inviting its accredited visitors to return to the exhibition under the motto "Creating added value to-

gether." This was aptly articulated by Managing Director Bernhard Hötger, who told Glass Technology International: "We've focused upon the 'here and now' and want to show solutions that our customers can use to create sustainable added value."



With thirty-two lorries now ordered and its hotel rooms already booked, HEGLA GROUP is doing it again - ever true to form and still anticipating the best outcome when it comes to the Glasstec trade show.

With various lasers and stored programs, the Laserbird can remove functional layers from glass, and add textures and functions to panes such that a standard pane becomes an RF-transparent unit or antibacterial glass – on a pane by pane basis and without any tooling time.



LASER DIODE TECHNOLOGY IN LSG CUTTING

Hötger went on to say: “In mechanical engineering, a project that was close to our hearts involved significantly improving cycle time in LSG cutting.” This resulted

in the laser diode heating system. The new laser technology focuses precisely upon the film in the scoring contour - reaching the transformation temperature much faster than what’s reachable with conventional heating tubes. “Thanks to bundled heat application, the productivity of the entire cutting process improves by 20 percent,” went on Hötger, adding that “considera-

bly higher pane throughput is now achievable.” The surrounding pane surface remains cold, which makes subsequent cuts possible without any waiting. The technology also benefits edge quality, since it systematically prevents any later delamination. Not only. In a first for HEGLA, the Group will also show its vertical remnant system for reducing glass waste.

NEXT-GENERATION SOFTWARE

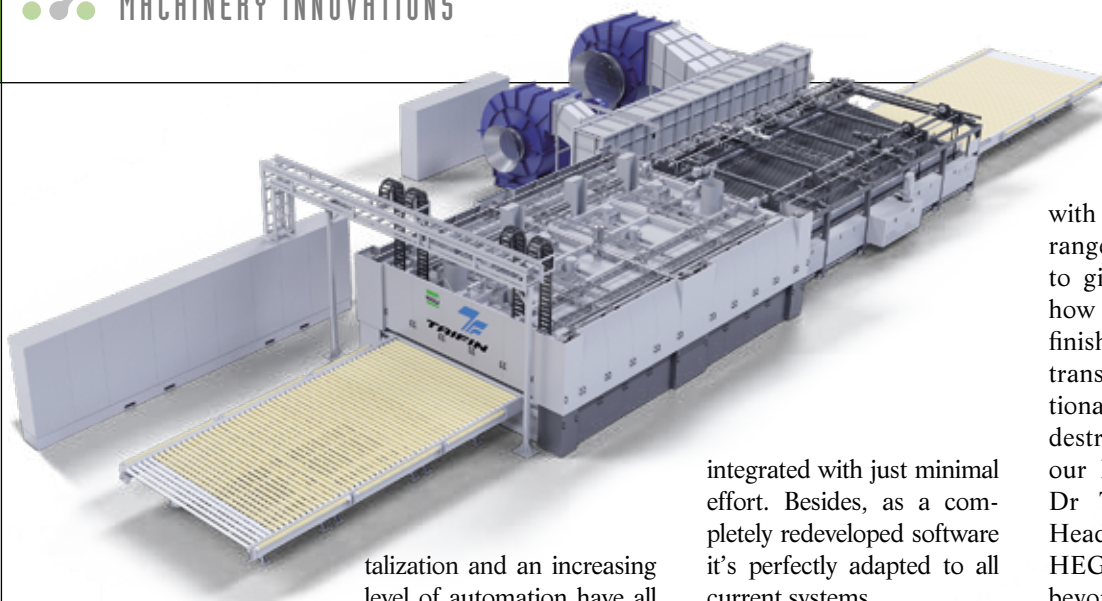
Last year with Cut+ HEGLA-HANIC introduced a completely reprogrammed software (HMI) for cutting-table organisation. At Glasstec, the Bochum-based company will be giving visitors insight into its next generation ERP system, which can integrate all processes from digital order collec-



The ProLam LSR from HEGLA is equipped with its standard laser diode heating system, which increases productivity by 20 percent or more - measured by pane throughput.



The standard now becomes added value – thanks to processing with the Laserbird from HEGLA boraident, a standard pane can be transformed into either bird protection glass or an RF-transparent pane.



The HEGLA TaiFin CTF tempering furnace with full convection promises tempered glass - perfect as only glass can be.

tion, storage and individual machines to delivery at the construction site. Said Managing Director Jan Schäpers from HEGLA-HANIC: "Standard OPC UA, digi-

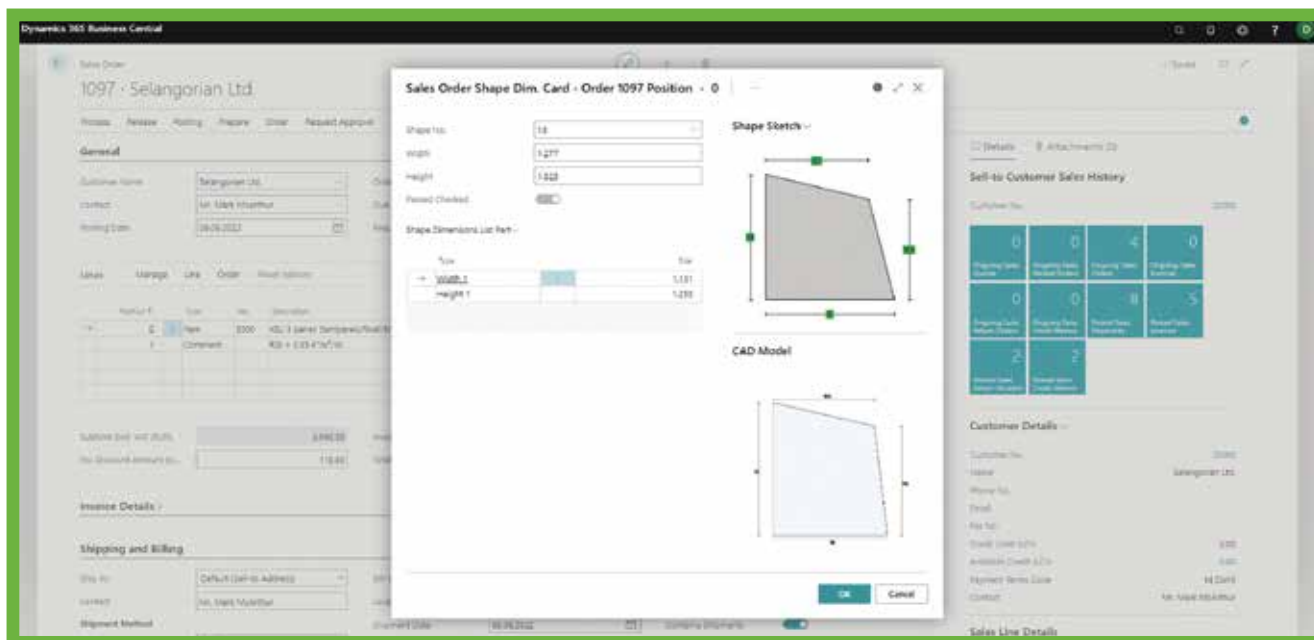
talization and an increasing level of automation have all motivated us to make our ERP ever more open with the Dynamics 365 development platform from Microsoft." The new software basis now makes it possible to enable many add-ons, including one for financial bookkeeping or controlling via the Microsoft platform. On the other hand, a wide range of programs can be

integrated with just minimal effort. Besides, as a completely redeveloped software it's perfectly adapted to all current systems.

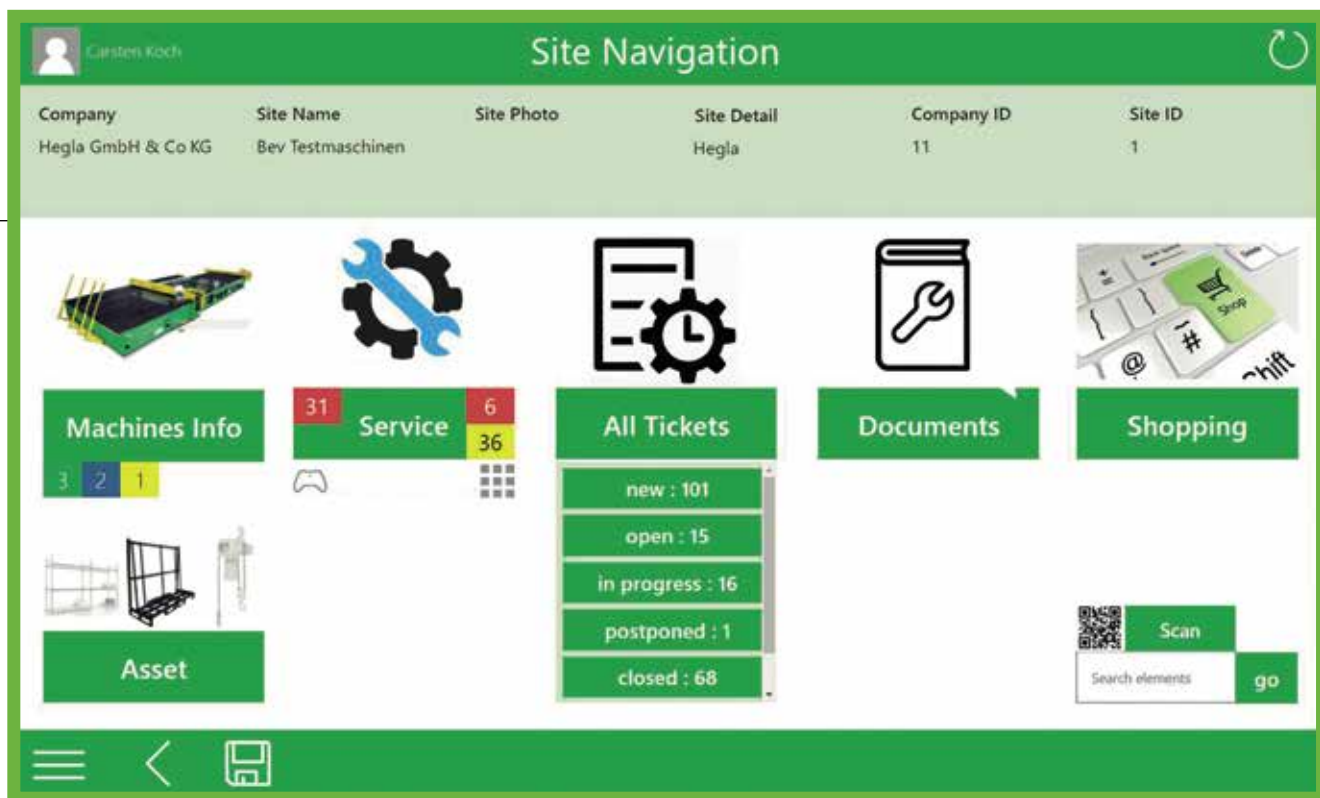
THE STANDARD BECOMES ADDED VALUE

Be it bird protection glass, antibacterial panes, heatable glass or an RF-transparent IG unit, Halle/Saale's HEGLA boraident seeks to prove the ease with which a standard product can become a commodity

with added value. "With a range of samples we wish to give the impression of how flexibly glass can be finished by removing or transforming the functional layer - or via non-destructive printing with our Laserbird," explained Dr Thomas Rainer, the Head of Development at HEGLA boraident. Here, beyond the choice of creating functional glass without tooling time or an additional service provider, Rainer sees the 'single piece' option as a major advantage: "Via the user-friendly GUI or connection to the ERP, each individual pane can be coated with various finishing treatments without any waiting time."



At Glasstec HEGLA-HANIC will introduce a new ERP system - the design of which is based on the Microsoft Dynamics 365 development platform, enabling numerous Microsoft add-ons. From digital order collection, storage and individual machines to delivery at the construction site - all processes can now be integrated.



HEGLA's New Technology Shop-Floor app enables both product tracking and data access anywhere and at any time. The app's maintenance function has a ticket system and provides cross-manufacturer access to documentation and spare parts lists. For example: functions which simplify maintenance and service.

GREATER TEMPERING FURNACE EFFICIENCY AND AUTOMATION

"Tempered glass - perfect as only glass can be," is what HEGLA TaiFin from Finland is after. The company is known for both convection technology and closely controllable heating zones that have qualities much higher than the industry standard. "We have one of the best tempering furnaces on the market. Now at Glasstec we wish to show what's possible when strong partners work together," said Teemu Kolka, Manager of HEGLA TaiFin. The optimal bedload is determined with bed optimization from HEGLA-HANIC. For maximum automation, the glass can be put together with automated batch creation from HEGLA – with no operator required. Through 'de-batching' the batch can be separated again. Option-

al quality scanners monitor quality and, in conjunction with the intelligent optimisation of HEGLA New Technology, they adjust the furnace recipes if necessary. Thanks to this holistic approach, a system like this will significantly increase total throughput whilst saving a great deal of energy.

CROSS-MANUFACTURER INFORMATION AND OPTIMISED APP MAINTENANCE

The Shop-Floor app from HEGLA New Technology meets the challenge of increasing demand for information and defined processes. Irrespective of the manufacturer, machines and systems can be integrated into the maintenance area of the app with the documentation and spare parts lists, for example, being stored there as desired. An auto-

matic ticket system alerts users to when maintenance is required, then saves the information once maintenance work is completed. Operations managers can also use the app to assign work to employees - putting work organisation on a platform as well. The Shop-Floor Assistant app can be used as a tool for initiating such processes as writing shipping documents or notifying breakages. It also has a function for location-independent product tracking. The QR code in the glass marking or production label can be scanned and read to access the default data. "The Shop-Floor Assistant app from HEGLA New Technology supplies flexible options and information anywhere and at any time," said Dr Markus Schoisswohl, Managing Director of HEGLA New Technology. "We look forward to Glasstec and to

meeting up with the global glass industry," added Bernhard Hötger, adding: "We live in dynamic times and we haven't seen many of our customers for a long time. We hope to have ample opportunity for spontaneous technical and personal conversations."

At Glasstec, the HEGLA Group will be in hall 14 at booth A55.

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