

**High-Tech Glass products for Turkey and the World:**

# Developing Innovations At Yildiz Cam

**Premium supplier is forging ahead — World-class curtain walls designed with modern, printed and toughened insulated glass units, screen-printed balustrades – laminated and curved laminated glass for all types of applications, safety glass with refined edgework for interior design, CNC-processed glass for all types of shapes – there is hardly any supplier who can produce it all and has the capability to supply the home architectural sector as well as large commercial building projects and huge export business. Only very few glass manufacturers have the necessary know-how, the technical and logistic means and the production capacity to cover all these requirements. Yildiz CAM can – thanks to their long term experience, their state-of-the-art machinery environment, their experienced and well trained staff and, last but not least, their sophisticated ALBAT+WIRSAM software system.**

Yildiz CAM has been known as one of the most efficient flat glass businesses in Turkey for more than 30 years. Entering into the flat glass sector by retail glass sale in 1978, Yildiz CAM was entitled as authorized producer Sise Cam in 1992. In their Ümraniye and İzmit plants, Yildiz CAM feature a unique product line, superior manufacturing technologies, and excellent service. Yildiz CAM is not only renowned for functional high quality insulated glass under isicam® brand, but also for the entire line of modern safety glass products, offering their customers more than 100 glass types provided by top-level producers like Sise Cam, Guardian, PPG Industries, Saint Gobain and AGC Glass. All products are offered with a wide variety of edge and surface fabrications.

**Renewing and Developing constantly**  
Yildiz CAM is steadily investing. Similar to the selection of new machinery, the criteria in selecting software is to use the best available software programs for glass processing available on the market. Facing this, management under superintendence of owner and Director Hilmi Yildiz, consulted with different suppliers, examined va-

rious systems in their production environment, and concluded on ALBAT+WIRSAM's software – the order entry system ALFAK, ALCIM production control, and the cutting optimizer XOPT-ON. I ask Hilmi what had been decisive for him to purchase the ALBAT+WIRSAM system 6 years ago – while most of his competitors still today try to get their business handled with EXCEL-sheets. "There were various reasons", says Hilmi. "First of all, we realized that it would make no sense for us to implement one of these quite simply made software systems

that cover only the requirements of IG production. We run a versatile multi stepped glass processing environment with very complicated logistics, and we guarantee our customers that we deliver always in time – regardless if production start for one half of an order has to be 5 days before the rest of it due to multiple fabrications. As a company with international standards, we need



Hilmi Yildiz, owner and Director of Yildiz Cam: "Our Albat+Wirsam software-partner are not just keeping pace with our requirements. As a remarkable additional benefit, they contribute with well elaborated ideas to the steady optimization of our processes. They are always present on the shopfloor and make valuable proposals how to improve the organization in our factories."

a system that is able to cope with a complex product range and production environment." Another 'must'-criterion for Hilmi: He required a Turkish software. What does that mean exactly? "Turkey," Hilmi says is the second largest flat glass producer in Europe, and growth is enormous. Yildiz Cam nowadays processes, with more than 600 employees in two high-tech plants, sever-



At the end of 2008, Yildiz CAM started production in their new İzmit premises, a state-of-the-art glass processing factory with 250 employees and 17.000 sqm. production space. A big part of their premium glass products is manufactured for export and project business and, optimized packed in crates or containers at the end of the production lines, regularly shipped by truck or freighter.



**Optimized Business Processes through ALBAT+WIRSAM Integrated Software Solution**

ALFAK, the user-friendly, intuitively operated order processing program, is fully adapted to the requirements of the Turkish Flat Glass Industry and allows reliable and comfortable management of the enormous product range of Yildiz Cam. The well thought out bill of material function allows appropriate reproduction of the mostly multi-stepped product structure. The rapid entry of a stack of faxes is as effectively supported as the graphic-supported input of a commercially and technically complex piece of glass: Even the most complicated unit constructions can be displayed graphically and any shapes or processings can be shown to scale. This results in a significant minimization of entry errors. And, important especially at İzmit plant: The multi-currency feature expedites export calculations.



Orders entered via ALFAK are transferred to the ALCIM production planning system, a vital tool for production scheduling at Yildiz CAM. ALCIM imports the orders on hand from ALFAK and sorts the bulk of orders from this "order pool" into batches according to criteria such as delivery date, route, customer, domestic or export etc. It goes without saying that individual batches can be resolved and re-grouped, that individual orders or items can be shifted between batches, etc. Once the batches are perfect, lists and labels are printed, and the orders are optimized via XOPT-ON for cutting, achieving favourable yields, which means significant material reductions and clearly reduced costs. At the breakout tables, the visualisation tool XTV displays cutting pattern and rack allocation clearly visible on large screens.

al million square meters of glass a year. Nevertheless, most manufacturers of flat glass software are not able to offer us Turkish language versions. And they have no service technicians in Turkey. ALBAT+WIRSAM software is not only available in a proper Turkish language version, more-over, it was adapted to the functional requirements of the Turkish market. At the same time this software is so flexible that it also supports us excellently in our international export business. We're benefiting tremendously from the long presence of ALBAT+WIRSAM on the Turkish market, especially from the experience and expertise of the

Turkish ALBAT+WIRSAM consulting- and service team."

**Optimizing Production Control**

Currently, Hilmi and his team are discussing with ALBAT+WIRSAM Turkey the implementation of a tailor made ALCIM barcoding- and production monitoring solution in both Ümraniye and İzmit plants. When fully completed, this extension will enable Yildiz Cam an almost paperfree production, with all pertinent data and machine guidance information relayed exclusively to the individual workstations by barcode scanning and monitor display.

**With the Future in Mind**

One can see that Yildiz Cam does not rest on its laurels but understands innovation as an ongoing process in order to provide the utmost service – probably the only way to meet the constantly changing challenges of the market, even tomorrow. Their outstanding product range, firm customer base – domestic and abroad – and, equally important, their commitment to quality of product and employer/employee team ship, signal Yildiz Cam as a well-situated, highly motivated owner-driven enterprise – best equipped for the busy years ahead!



Always in view: XTV on large screen at the breakout table. The visualisation tool shows cutting pattern and rack allocation and thus helps to avoid expensive mistakes.

## Contact Yildiz Cam

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