

Press Release

Digital printing on glass in unrivalled formats

World's largest flatbed printer now in operation at sedak

Gersthofen, 4 April 2014. In just a few years, sedak has advanced to become the trailblazer in glass finishing, standing for maximum quality and exceptional pane sizes in international architecture. Now sedak GmbH & Co. KG, which is based in Gersthofen in southern Germany, has reached new heights with its latest digital ceramic-ink screen printing technology for oversize glass formats. This new capability offers architects and clients exciting new design options.

Full-coverage printing on panes of glass in sizes of up to 3.21 x 15.00m using the roller-coater technique is now joined by flatbed digital printing that can produce complex, multi-colour pattern designs and images in high-resolution photo quality. "Excellent quality is not all we get with a print resolution of 720 dpi. In digital printing the ink can also be applied in much thinner layers than is the case with screen or rotary printing," says Bernhard Veh, sedak's managing director. "This technique allows us to achieve translucent printing and graduated transitions."

The printing process is similar to that used by ink-jet printers for paper. However, the inks consist of ultra-fine ceramic particles. These ceramic inks are sprayed onto the glass surface with a plotter. Subsequent firing in a furnace bonds the inks permanently to the glass. The fired ink coating is durable and scratch-resistant. After printing, the glass can be sent for laminating, cold-bending or processing to create insulating glass units.

Glass panes printed by this method are suitable for different areas of application, ranging from the eye-catching glass installation in a lobby space to the most contemporary all-glass building skin. Photographs, images of materials and textures, and repetitive decorative patterns are all possible. This flexibility makes digital ceramic-ink printing a cost-effective option for creating unique building façades and works in glass.

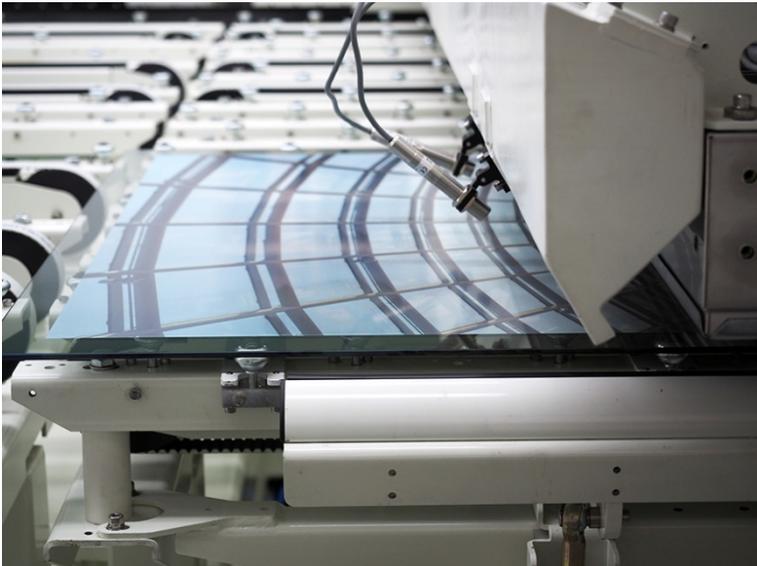
If you want to find out more, sedak will be demonstrating its new printing capabilities at the following trade fairs:

26–28 June 2014: AIA, Chicago
23–26 October 2014: Glasstec, Düsseldorf, Germany
19–24 January 2015: Bau, Munich, Germany

sedak



Brilliant digital ceramic-ink screen printing up to 3,21 x 15m



The world's biggest fladbed printer for digital ceramic-ink screen printing technology is based in Gersthofen, Germany.

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About sedak GmbH & Co. KG

Based in Gersthofen near Munich, sedak GmbH & Co. KG is one of the world's leading glass processing companies. Supported through its own intensive research and development, the company produces high-quality glass products and spectacular all-glass designs for glass architecture. The company's unique glass projects regularly garner innovation awards for glass stairs, glass bridges and all-glass buildings.

Proudly maintaining its commitment to delivering glass products made to the very highest standards of quality, sedak's production facilities process, temper laminate and print panes of glass in sizes of up to 3.21 x 15.00m.

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