

**PRESS RELEASE**

* **Wickert Maschinenbau will be represented at JEC 2022 in Paris as a One-Stop Supplier for Composite Fabrication**
* **The entire composite value chain from one source**
* **Live presentation: Flexible lightweight press for wide-ranging applications in aviation research**

*Landau, Germany, March 15 2022.* At JEC World in Paris, Wickert Maschinenbau will spotlight highly productive press systems and complete production lines for composites processing. The family-owned company will be presenting its impressive range of services there from May 3 to 5: It covers everything from component development and concept and feasibility studies to complete planning and general contracting and includes turnkey solutions. As such, Wickert offers fabrication solutions for the entire composites value chain from a single source. The company will be exhibiting at JEC in hall 5, booth M64.

**Increased demand for engineering and custom complete solutions**

The composite specialist has responded to an increasing demand for services relating to the planning and development of press systems with its broader range of products and services. What's more, today's customers increasingly ask for the flexibility to use composite presses for different applications. This is why Wickert systems can already be upgraded with little effort to include add-on modules for injection processes such as RTM (Resin Transfer Molding) and RIM (Reaction Injection Molding), along with polyurethane injection units. Given that many system operators have scaled back their own engineering, they can now take advantage of the expertise of Wickert's technicians and engineers.

**Presentation: Multifunctional lightweight press for lightweight research Aviation**

Exemplifying multifunctional versatility, the company will be presenting the concept of a lightweight press being used most recently by the Institut Neue Materialien Bayreuth (NMB) in its lightweight construction research. Steve Büchner, sales representative and project manager, will be providing in-depth insights into the system at JEC in his presentation entitled “State-of-the-art composite molding on presses” on Wednesday, May 4, 2022 from 4:30 to 4:55 p.m. in hall 5.

**Digital process chains and technologies for manufacturing structural components for aviation**

The NMB scientists are using the press system in several aviation research projects with thermoplastic and hybrid high-temperature fiber composites. They also intend to use it going forward in the development of digital process chains and technologies for manufacturing structural components for the aviation industry.

The researchers use the press, among other things, to produce custom molded parts made of foamed materials and fiber-reinforced thermoplastics as well as hybrid components with metal. This is why the press scores points with, for example, its processing temperatures of up to 450º C and its extremely fast component transfer capabilities. It takes a mere 4.2 seconds, which includes die closing and buildup of the high press force for forming up to 600 tons. Moreover, the system features a very homogeneous temperature distribution with accuracy levels of up to ± 0.3 K on the hot plate surface.

**Wide range of composite products**

Various components, semi-finished products and one aircraft door for an Airbus A350 that were produced on Wickert presses will also be on display at the trade show booth. They represent an overview of the bandwidth of composite products fabricated with the Wickert presses.

**About Wickert Maschinenbau GmbH**

Wickert Maschinenbau GmbH is a medium-sized, family-owned company based in Landau in Germany. It develops and manufactures hydraulic presses and fully automatic press systems. All machines and systems have a modular structure and feature pressing forces of between 20 and 100,000 kN, with a customer-specific layout in each case. The provided systems are used to process elastomers, composites, plastics and powder materials. They are used not only for the production of pharmaceutical sealing plugs, but also to manufacture safety parts in automotive brake systems and bi-polar plates for fuel cells. Other applications for Wickert presses include e-mobility, laboratories and research facilities.

Partners and executive directors Hans-Joachim Wickert and Stefan Herzinger manage the family-operated company that was founded in 1901, which manufactures exclusively in Landau and supplies its customers from there to locations in Europe, the Americas and Asia. In 2021,190 employees generated revenue of around € 45 million.

**Images:**

**Ein Bild, das Wand, drinnen, Haushaltsgerät enthält.

Automatisch generierte Beschreibung**

Photo 1:

At JEC World in Paris, Wickert Maschinenbau will spotlight highly productive press systems and complete production lines for composites (Photo: Wickert).

Ein Bild, das drinnen enthält.

Automatisch generierte Beschreibung

Photo 2:

Exemplifying its multifunctional versatile system, at JEC, Wickert will be presenting the concept of the lightweight press illustrated in this photo, which the Institut Neue Materialien Bayreuth (NMB) has recently begun using in its lightweight construction research (Photo: Wickert).

Ein Bild, das Person, Wand, Mann, Anzug enthält.

Automatisch generierte Beschreibung

Photo 3:

Steve Büchner, sales and project manager with the press manufacturer Wickert in Landau, Germany, will be presenting the system used by NMB at JEC in his presentation “State-of-the-art composite molding on presses” on Wednesday, May 4, 2022 from 4.30 PM to 4.55 PM in hall 5 (Photo: Wickert).

**You can also download the text of the press release as a Word document and the photos in print quality online from**

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**Contact:**

**Wickert Maschinenbau GmbH**

Stephanie Wickert

Head of Marketing

Wollmesheimer Höhe 2, D-76829 Landau

Phone: +49 (0) 6341 9343830; email: [s.wickert@wickert-presstech.de](mailto:s.wickert@wickert-presstech.de)

For more **information** go to [www.wickert-presstech.de](http://www.wickert-presstech.de).

**Print copy requested:**

auchkomm Unternehmenskommunikation, F. Stephan Auch, Hochstr. 11, D-90429 Nuremberg, [fsa@auchkomm.de](mailto:fsa@auchkomm.de), [www.auchkomm.de](http://www.auchkomm.de).