

**PRESS RELEASE**

* **Wickert Maschinenbau exhibits at DKT: Europe's leading elastomer press supplier shows alternatives to injection molding**
* **Economical production of a wide range of high-quality elastomer molded parts**

*Landau/Pfalz, May 31, 2022.* Press technology instead of injection molding: Exhibiting at DKT, Wickert Maschinenbau will demonstrate how high-quality elastomer molded parts can be produced economically in both, large and small volumes. With its elastomer presses, which according to the company are among the leading technologies worldwide, it targets a wide spectrum of users, including producers of micro and precision parts, manufacturers of thin-walled or large-volume components, and manufacturers of clean room pharmaceutical products.

Wickert supplies customized, fully automated press systems for Compression Molding (CM), Transfer Molding (TM) and Injection Transfer Molding (ITM) processes. Moreover, its range of products and services includes component development, concept and feasibility studies along with overall planning that includes automation and general contracting.

The machine manufacturer will be showcasing some examples of its products and press concepts at DKT from June 27 to 30 in Nuremberg, Germany, in Hall 9, Booth 9-405.

In addition, Managing Director Stefan Herzinger will give a presentation entitled "Premium Presses for Premium Applications" on (CORRECTION DATE) Tuesday, June 28 from 2:00 - 2:15 pm. It will take place in the DKT Forum in exhibition hall 8.

**Global leader in performance for elastomer processing**

Wickert ranks among its competitive advantages top positions in precision and pharmaceutical presses and in vacuum chamber technology, often required for rubber processing in clean rooms. The presses of the German manufacturer located in the Rhineland Palatinate region also feature highly homogeneous temperature distribution on the hot plate surface coupled with exceptionally high precision in terms of plane parallelism and flatness. For this reason, the machine manufacturer defines itself as a performance leader for elastomer processing in presses.

**Compression presses for parts with both, thick and thin walls**

Compression molding presses are ideal for producing large-format molded parts made of silicone or cellular rubber. They can achieve absolutely homogeneous vulcanization, maximum dimensional accuracy and the finest surface finishes.

Even for very thin-walled components and intricate products such as membranes with fabric inserts, compression molding is a process-reliable and dimensionally stable fabrication method.

**Small and micro-parts in transfer molding**

For high-volume production of small and micro precision parts, Wickert commonly recommends TM presses in addition to CM presses. Transfer molds have the advantage that items can be produced on the basis of direct gating and thus high injection pressure. This allows molds with sometimes many hundreds of cavities to be reliably processed.

The relative proportion of waste, especially in cold runner transfer, is minimal.

Large parts in volumes of more than 100 liters can also be produced economically in transfer presses. Short runners can also be used here to produce high-quality parts with extremely narrow tolerances with reproducibility.

**Producing in a vacuum is oftentimes a good option**

Generally, Wickert advises using a vacuum chamber when working with molds with multiple cavities. Also, for many high-value pharmaceutical rubber parts, a vacuum chamber or a press integrated in the clean room is an essential requirement. One example is rubber vaccine stoppers for COVID vaccines.

**Mechanical engineering company on track for success**

In 2021, the Wickert clean room pharmaceutical presses used to manufacture them were in high demand worldwide among mechanical engineering companies. The boom was instrumental in the family-owned company recording both the highest sales and the highest order intake in its history in the 120th year of operations. In the first four months of the current year, this positive trend has continued, with Wickert again recording a high number of incoming orders.

**About Wickert Maschinenbau GmbH**

Wickert Maschinenbau GmbH is a medium-sized, family-owned company based in Landau in Germany. The company is active in the development and manufacture of hydraulic presses and fully automated press systems. All machines and equipment are modularly constructed, featuring press forces between 20 and 100,000 kN, and are each configured based on a customer-specific layout. They are used to process elastomers, composites, plastics and materials in powder form. Their application not only include the production of pharmaceutical sealing plugs, but also the production of 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 Boden, drinnen, blau enthält.

Automatisch generierte Beschreibung

Photo 1:

Compression presses such as this WKP 100000 are a must for the production of large-format parts (photo: Wickert).



Photo 2:

For high-volume series production of small and micro precision parts, Wickert commonly recommends TM presses such as the WKP 2000S (photo: Wickert).

Ein Bild, das drinnen, Boden, Gebäude, Decke enthält.

Automatisch generierte Beschreibung

Photo 3:

In addition to custom-built press systems, Wickert’s range of products and services also includes complete systems including automation (Photo: Wickert).

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Photo 4:

Elastomer press from Wickert with integrated mold and product preheating for producing transfer doors with vulcanized-on seal for clean room feeding systems. Suitable for use in ISO6 and ISO8 clean rooms (photo: Wickert).

Ein Bild, das Zahnrad enthält.

Automatisch generierte Beschreibung

Photo 5:

Elastomer molded parts produced on presses (from left to right, top row): Shut-off valves for oil or gas well, rubber diaphragm, (lower row) oil seals, O-ring, Coupling made of a rubber-metal compound with a 2-meter diameter (photo: Wickert).

Ein Bild, das silbern enthält.

Automatisch generierte Beschreibung

Photo 6:

Pharmaceutical stoppers and plungers (photo: Wickert).

Ein Bild, das drinnen, kosmetisch enthält.

Automatisch generierte Beschreibung

Photo 7:

Small parts with a 3 mm diameter (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

Marketing Director

Wollmesheimer Höhe 2, D-76829 Landau, Germany

Phone: +49 6341 9343 830, Email: [s.wickert@wickert-presstech.de](mailto:s.wickert@wickert-presstech.de)

For more **information** go to <https://www.wickert-presstech.de/en/>.

**Print copy requested:**

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