

**PRESS RELEASE**

* **Wickert Maschinenbau at the DKT:** **Press solutions for the efficient production of high-quality elastomer moulded parts**
* **Individual system concepts and a wide range of services**

*Landau, Germany, 23 May 2024.* Customized press systems for the efficient production of high-quality elastomer moulded parts are the focus of Wickert Maschinenbau's presence at this year's DKT trade fair in Nuremberg.

The broad portfolio includes systems for small batch numbers as well as for large-scale production and ranges from simple, manually operated hydraulic presses to highly customized, fully automated production systems.

The available manufacturing processes include compression moulding (CM), transfer moulding (TM) and injection transfer moulding (ITM). Micro and precision parts can be manufactured on the elastomer presses, as can thin-walled and large-volume components - under vacuum and in clean room conditions if required.

The machine manufacturer will be showcasing product examples and press concepts at the DKT from 1 to 4 July in Nuremberg in Hall 9, Stand 9-517.

**From component development to turnkey solution**

In addition to the customized presses, Wickert also offers its customers a comprehensive range of services. This begins as early as the component development stage, followed by concept and feasibility studies if required. The machine manufacturer also takes on the overall planning and general contracting of the systems - also as part of turnkey solutions on request.

**Leading global technology manufacturer**

The elastomer presses of this leading global technology manufacturer are used wherever high precision and exact processing temperatures are required in addition to high dynamics. The machine manufacturer therefore sees itself as a performance leader for elastomer processing in presses which are prized in industry as well as in cutting-edge research.

**Fast, precise and very hot**

One of the most important characteristics of the presses is the very homogeneous temperature distribution with accuracies of up to ± 0.3 K on the heating plate surface. Another special feature is the extremely precise plane parallelism of up to 0.05 mm. The company also has decades of experience in clean room presses for rubber processing in a vacuum, which is why many pharmaceutical presses are manufactured in Landau.

And the fastest heating-cooling press in the world also comes from Landau. It reaches a peak temperature of up to 450°C with the currently unparalleled heating rate of 55 K/min; cooling is almost twice as fast at up to 100 K/min. It is used at the Institute for Lightweight Structures at the Chemnitz University of Technology. With the help of this press, scientists there are developing mass production technologies for processing high-performance thermoplastics, among other things. The focus is on structural components for aerospace and automotive construction, components for electromobility and hybrid products made of plastic and metal.

**About Wickert Maschinenbau GmbH**

Wickert Maschinenbau GmbH is a medium-sized, family-owned company based in Landau in der Pfalz. It develops and produces complex, fully automated systems that are then integrated in its hydraulic presses. 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. The presses are used in the production of pharmaceutical sealing plugs, as well as 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.

Stephanie Wickert and Stefan Herzinger act as partners and managing directors of the family-owned company, founded in 1901, which is supported by an Advisory Board chaired by Hans-Joachim Wickert. Wickert manufactures exclusively in Germany's Landau/Pfalz region, from where it supplies customers in Europe, America and Asia. In 2023, 200 employees generated a turnover of around € 41 million**Pictures:**

Ein Bild, das Boden, drinnen, blau enthält.

Automatisch generierte Beschreibung

Picture 1:

Compression press WKP 100000 for the production of large-volume parts (picture: Wickert).



Picture 2:

For the large-scale production of small and miniature precision parts, Wickert recommends transfer moulding presses such as the WKP 2000S (picture: Wickert).

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

Automatisch generierte Beschreibung

Picture 3:

Wickert offers manually operated presses as well as complete systems including automation (picture: Wickert).

Ein Bild, das Zahnrad enthält.

Automatisch generierte Beschreibung

Picture 4:

Elastomer moulded parts produced on Wickert presses (from left to right, top row): Shut-off valves for oil or gas wells, rubber diaphragm, (bottom row) radial shaft seals, O-ring, coupling made of a rubber-metal connection with a diameter of 2 meters (picture: Wickert).

**You can also download the text of the press release as a Word document and the pictures in print quality from** [**https://www.auchkomm.com/aktuellepressetexte#PI\_566**](https://www.auchkomm.com/aktuellepressetexte#PI_566)

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