

**PRESSE RELEASE**

* **WICKERT presents fully automated spraying system for hydraulic presses at K trade fair**
* **In use on Wickert presses, retrofittable to other machines**

*Landau, October 29, 2025.* Wickert Maschinenbau GmbH of Landau/Germany unveiled at the K Show in Düsseldorf its developed fully integrated automated spraying system for rubber and plastics processing in hydraulic presses. This system eliminates the error-prone manual application of release and flow agents, which carries significant risks for both product quality and workplace safety.

The automated spraying system uses movable distribution manifold bars equipped with adjustable nozzles. A spraying unit travels between the upper and lower mold halves, coating the mold halves homogeneously and reproducibly. The system can also be retrofitted to existing presses, allowing manufacturers to integrate precise application of release and flow agents into established production processes.

**Precisely controlled spray Volume and pattern**

For a mold measuring 1,000 x 1,000 millimeters, each spraying manifold bar is fitted with ten nozzles. Both spray volume and spray pattern can be precisely adjusted to product requirements, with different parameters possible for the upper and lower mold halves as well as targeted application. This enables highly accurate and consistent dosing.

The efficiency gains are substantial: while automated spraying of a 1,000 x 1,000 millimeter mold takes just seven to ten seconds, manual spraying requires about three times as long. For multi-level presses, the time savings multiply further thanks to parallel spraying.

**Workplace Safety in Focus**

The system also improves workplace safety. Spraying occurs with the safety grill closed, so operators and the surrounding environment are reliably protected from spray mist and vapors. Before opening, remaining spray mist is automatically extracted.

**Full process integration**

The system can be configured for different release agents. Control is handled centrally through the press’s PLC. All parameters—such as nozzle pressure, spray cycles, and spray speed—are adjustable via the HMI. They are continuously logged and stored as product-specific recipes, ensuring full traceability of every spray cycle. This enables comprehensive quality assurance, which is essential for many industries, such as aerospace.

**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.

Applications are diverse. The pharmaceutical industry, medical technology, aerospace, and the security and defense industries use WICKERT presses, as do manufacturers of safety-critical automotive and e-mobility components. The presses are also found in laboratories and research institutions.

Wickert manufactures exclusively in Germany's Landau/Pfalz region, from where it supplies customers in Europe, America and Asia. In 2024, 200 employees generated a turnover of around € 47 million.

**Photos:**

Ein Bild, das Maschine, Im Haus, Stapel enthält.

KI-generierte Inhalte können fehlerhaft sein.

Photo 1:

WICKERT presented a fully automatic spray system at the K Fair that operates unmanned, process-reliable, efficient, flexible, and with high precision (Photo: Wickert).

Ein Bild, das Maschine, Bautechnik, Stahl, Im Haus enthält.

KI-generierte Inhalte können fehlerhaft sein.

Photo 2:

Between the upper and lower molds, a spray beam with nozzles travels back and forth, homogeneously and reproducibly wetting the mold halves at all times (Photo: Wickert).

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