



Due to the wide range of machines available from the Wickert portfolio, Wickert Maschinenbau is always able to design and build press systems for a multitude of materials across a wide range of business sectors. Our modular concept forms the basis for the development and production of the press and automation technology.

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WICKERT
hydraulic presses



WICKERT
hydraulic presses

COMPOSITE

Presses & press systems

COMPOSITE TECHNOLOGY WITH WICKERT

The Wickert modular design of the WKP S series makes it possible to adapt individual processes in the field of composite press technology. Wickert Maschinenbau designs both, fully automatic press systems and simple presses with manual operation for the respective application areas.

Amongst others we realise following processes for materials such as, for example, GRP, CFRP, BMC and SMC:

- **RTM and RIM**
- **Thermoforming and compression presses**
- **Wet-Layup and Preforming**



COMPRESSION PRESSES FOR COMPOSITE MATERIALS AND PROCESSES



COMPOSITE PRESSING **WITH INTEGRABLE INJECTION** FOR HP-RTM, RTM AND RIM FOR EXAMPLE



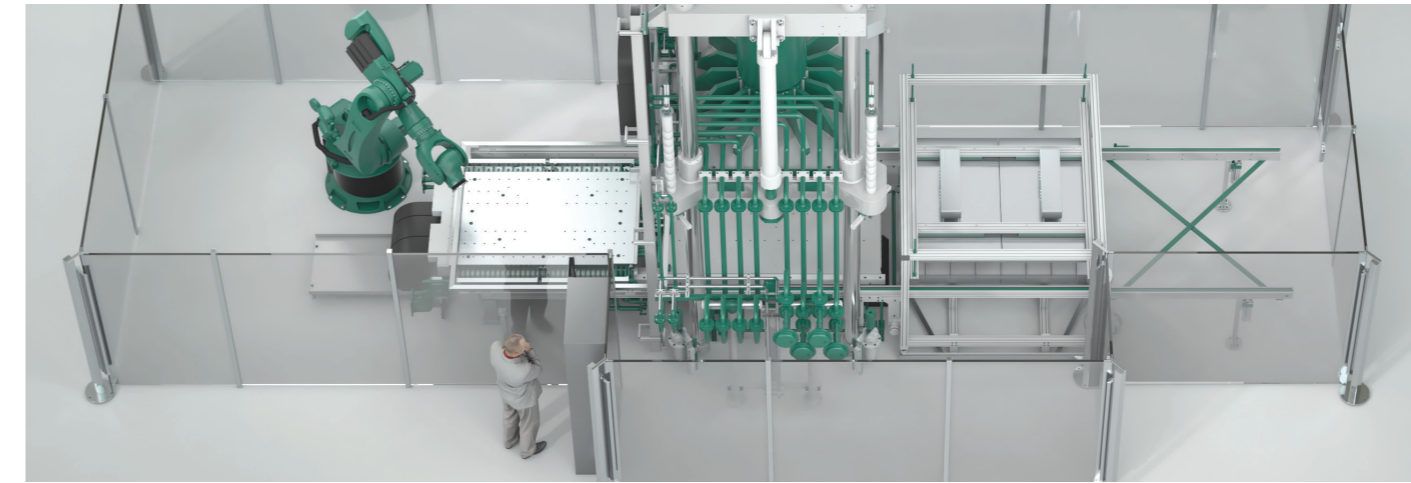
COMPOSITE THERMOFORM PRESSES FOR LOW AND HIGH TEMPERATURE RANGES



PROCESS SYSTEMS **INTEGRATED AUTOMATION SOLUTIONS** AS WELL SPECIAL SOLUTIONS FOR COMPOSITES

Place your trust in a company that has been an innovative force in the development of hydraulic presses for over 110 years. We find the best technical solution especially for you!

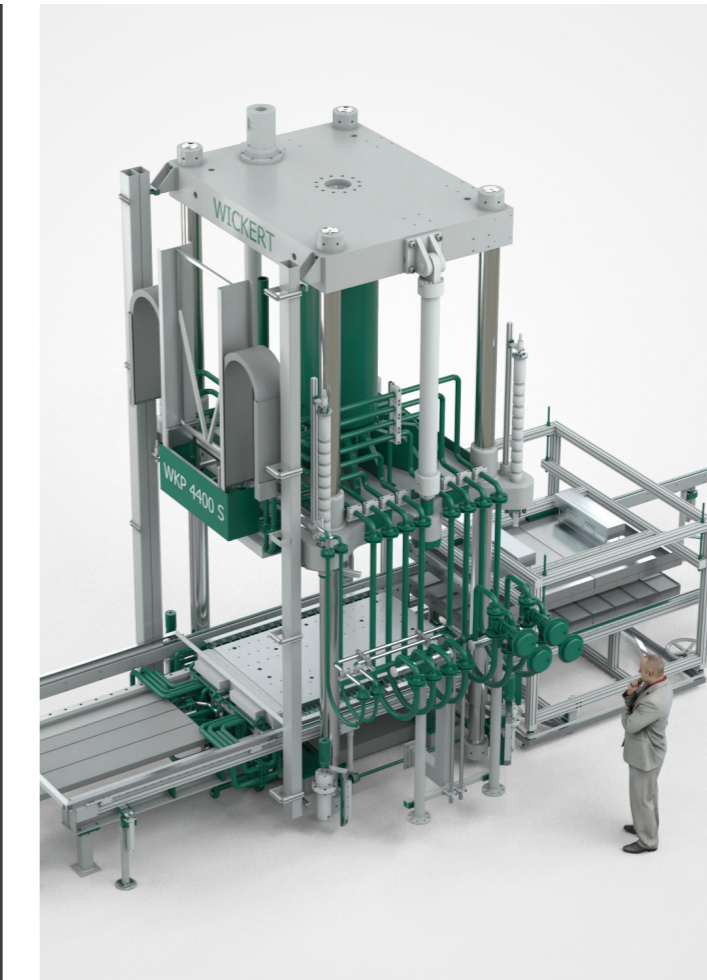
Do not hesitate to involve Wickert in your project planning at an early stage. Together with our R&D engineering team, we find the key to your innovative solution and make your customized implementation a reality for you.



AN OVERVIEW OF THE ADVANTAGES OF USING OUR WICKERT COMPOSITE PRESSES:

- Heating processes up to 500°C
- Heating/cooling rates of 50 K/min
- Special vacuum solutions up to 1 mbar final vacuum
- Homogeneous temperature distribution using precision hotplates with accuracies up to ± 0.3 K on the hotplate surface
- High parallelism with the option of active parallelism control up to 0.025 mm/m

➤ **5 YEAR WARRANTY ON ALL LOAD-BEARING PARTS**



BEST POSSIBLE INDIVIDUALISATION

Specific press dimensions individually selectable from 5 - 110.000 kN with platen sizes also over 10.000 mm in length and several daylight.

INTEGRABLE PROCESS SOLUTIONS:

- Infrared heating systems
- Automation
- Component handling systems
- Heating/cooling systems
- Process data backup
- Integration of collaborative robot solutions
- Intelligent networking with additional plant participants and superordinate process control systems
 - Industry 4.0

