

## Press release

# Insert moulding automation based on the X-LOAD eco handling cell

- **Automation solution places 15 inserts into an injection mould at the same time**
- **Cycle times of less than one minute and a high degree of automation enable economical processes**
- **The flexible X-LOAD eco handling cell from ZELTWANGER is used as the platform**

**Dusslingen, 9th February 2023** – Manually inserting fifteen small metal inserts, in four variants, into an injection mould would be a time-consuming and error-prone undertaking. An automation solution developed by ZELTWANGER Leaktesting & Automation GmbH ("ZELTWANGER") on customer request achieves this more efficiently and with greater precision. The customer is using it to retrofit an injection moulding machine from KraussMaffei.

The delicate inserts, around 10 mm in size, are separated in vibratory feeders and transported to the pick-up point on conveyor belts. A gripper specially developed by ZELTWANGER for this purpose picks up all 15 parts required for the process simultaneously. These are then precisely inserted into the injection mould using an industrial robot from FANUC. This allows a short cycle time of less than one minute to be achieved.

The X-LOAD eco handling cell from ZELTWANGER is used as the platform. This standardised, inexpensive system can be flexibly configured and thus adapted to the customer's requirements. The controller developed by ZELTWANGER allows for intuitive operation, even for those without any knowledge of robotics. The high level of automation makes it possible to achieve a short payback period and economical processes.

**Website:** [www.zeltwanger.de/x-load-eco](http://www.zeltwanger.de/x-load-eco)

### **About ZELTWANGER**

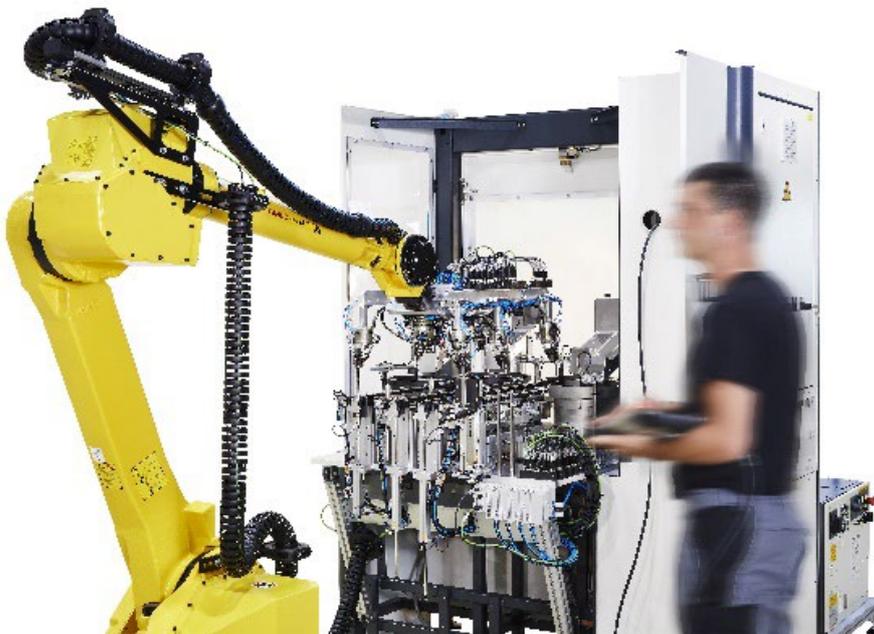
ZELTWANGER is made up of eight companies organised in a holding structure. With passion for technology, more than 470 employees create innovative solutions to make the production of the future even more efficient and sustainable. **ZELTWANGER Leaktesting & Automation GmbH** is part of the ZELTWANGER Group. The company is

one of the leading providers of leak testing solutions using air and trace gases. Its portfolio of services also includes assembly and testing systems, systems for automated loading and unloading, and laser applications. The company is headquartered in Dusslingen near Tübingen.

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**Image material**



The X-LOAD eco handling cell from ZELTWANGER, which has been adapted to customer requirements, enables efficient and precise assembly of insert moulding inserts.