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Press Release 3/2021

* **ROEMHELD at the Fakuma:** **Efficient die or mould handling** **throughout the entire process chain**
* **Concept for continuous mould handling from the warehouse to the injection moulding machine**

*Hilchenbach, 22.* July 2021. The ROEMHELD Group will present a coordinated concept for the efficient change and handling of dies or moulds throughout the entire process chain for the first time at the Fakuma 2021. Dies or moulds can be handled easily, quickly and safely from removal to transport up to positioning and clamping on the machine.

The concept is based on coordinated components that can be combined depending on the customer's requirements. A wide range of products is available, from racking systems and transport carts to magnetic clamping plates for quick and safe positioning and clamping on the machine.   
At the Fakuma, the group of companies will present its concept and a selection of clamping and handling technology in Hall A1 at Stand A1-1223.

**Safe die or mould handling with coordinated components**

Different types of racks can be assembled to the desired size for the storage of dies or moulds. Die or mould transport is carried out by changing carts. Different models for different weights are available that can be moved either manually or electrically with battery power.

A uniform docking system with which all racks and transport carts are equipped ensures safe handling. Dies or moulds can only be moved when the components are firmly connected.

**Magnetic clamping plates position and clamp dies or moulds in just a few seconds**

For positioning and clamping the moulds on injection moulding machines and rubber presses, ROEMHELD relies on magnetic clamping plates. The flexible and universally applicable quick clamping technology is suitable for all ferromagnetic dies and moulds - regardless of their size and geometry. Standardisation is not necessary.

Clamping and unclamping take only a few seconds. A current pulse activates the permanent magnets, which then work independently of the current during operation. Thus, almost all dies or moulds can be clamped over their entire surface with high bending stiffness and unclamped again.

**Up to 240°C and for all safety levels**

The various magnetic clamping plates of the M-TECS product range are designed for temperatures up to 80 °C, 120 °C or 240 °C. According to the respective requirements, they can be freely designed in size, geometry, clamping force and equipment and are manufactured to customer specifications.

All magnetic clamping systems comply with the current standards for injection moulding machines and rubber presses and the specifications of performance levels “d” and “e”. They are virtually maintenance-free and can be retrofitted to existing machines within a few hours.

**Hydraulic, electro-mechanical and purely mechanical clamping technology**

As an alternative to magnetic clamping technology, ROEMHELD offers a wide range of hydraulic, electro-mechanical and purely mechanical clamping systems to handle almost all clamping situations.

**About ROEMHELD:**

Whether for aircraft, automobiles, machine tools, or cases for smartphones: ROEMHELD technologies and products have been used to manufacture numerous industrial commodities and goods for end users for more than 60 years.

Innovative and smart clamping technology solutions for workpieces, as well as for dies in forming technology and plastics processing, form the core of our ever-increasing portfolio. This is supplemented with components and systems for assembly and handling technology, drive technology and automation, and locking mechanisms for rotors on wind energy systems.

In addition to a constantly growing range of more than 30,000 catalogue items, ROEMHELD also specialises in developing and realising customised solutions and is internationally regarded as one of the market and quality leaders.

Innovation through tradition: ROEMHELD was established in 1707 with a foundry in Friedrichshütte, which still belongs to the ROEMHELD Group today and counts as one of Germany’s oldest active industrial businesses.

The owner-managed group of companies employs approximately 560 workers at the three locations Laubach, Hilchenbach and Rankweil/Austria and is represented in over 50 countries by service and sales organisations. With customers from the mechanical engineering sector, and the automobile, aviation, and agricultural industries, ROEMHELD generates an annual turnover of more than 100 million Euro.

**Photo:**



Efficient die or mould handling throughout the entire process chain: rack systems and changing carts are equipped with a uniform docking system to transport dies or moulds safely. Moulds can be positioned and clamped on injection moulding machines and rubber presses in a few seconds with magnetic clamping plates or hydraulic clamping technology (Photo: ROEMHELD).

**You can download the press release as a word document and the image material in print quality:**

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