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Press Release 1/2019

* **ROEMHELD: New wedge clamping element with additional locking mechanism for maximum safety**
* **Die is retained even with complete failure of the hydraulics**

*Hilchenbach, January 15th 2019*. The ROEMHELD range of die clamping systems for presses, systems and injection moulding systems has been supplemented with a new series of robust wedge clamping elements. The group of companies has developed a hydraulic model specifically for the fixing of upper dies which meets the highest of safety requirements. An additional locking cylinder hold the wedge clamping bolt in position and prevents any inadvertent retraction. Release of the clamping device is only possible once the locking mechanism has been opened. This will ensure that the upper die is retained in position, even in the event of a pressure drop.

The wedge clamping element itself comprises a block cylinder with housing-guided clamping bolt. Its angled contact surface creates a frictional connection in conjunction with angled die clamping edges. A position control is integrated as a space-saving measure to monitor the clamping and release position, as well as the status of the locking mechanism. A notification is also issued wherever there is no die available.

**Easily retrofitted**

As the ROEMHELD wedge clamps are constructed as a variant system, they can be flexibly adjusted in accordance with respective customer requirements. The standard range already includes seven designs with clamping forces of 25 to 630 kN and cylinder dimensions of between 25 and 125 mm. Clamping strokes of 15 to 36 mm are available here, and the maximum operating pressure is 350 bar respectively. If the elements are to be used for processes with high heat requirements, special designs are also available which are temperature-resistant up to 300 °C. In addition, there are also versions for straight clamping edges, as well as models with clamping forces of up to 1250 kN and even higher retention forces. Further options include a special permanent lubrication and multi-layer, high-tech coatings for the clamping bolt and the housing which have a positive influence on the wear properties.

The variant design guarantees cost-effective production, high parts availability and short delivery times. As existing dies can often be retooled for wedge clamping with the introduction of wedge bars, the elements are also suitable for retrofitting.

**ROEMHELD: Setup time optimiser for sheet forming, plastic and rubber processing**

With its extensive range of quick die clamping technology, the setup time optimiser ROEMHELD can complete virtually any clamping technology task in sheet forming, plastic and rubber processing. The magnetic, hydraulic and electromechanical clamping systems are versatile in use and help to make the processes of single and series production in virtually every industry more efficient and economical. Products for changing dies, including die changing carts, roller bars and powered carrying consoles complete the range.

**About ROEMHELD:**

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

Efficient 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 locking mechanisms for rotors on wind energy systems.

As well as a wide range of approximately 20,000 catalogue items, the ROEMHELD Group is also specialised in the development and realisation of customised solutions and is internationally respected as one of the market leaders for quality today.

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 the oldest active industrial businesses in Germany.

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

**Photo:**



ROEMHELD has developed a wedge clamp specifically for the fixing of upper dies which meets the highest of safety requirements. An additional locking cylinder with bolt holds the wedge clamp in position and prevents any inadvertent retraction (photo: ROEMHELD).

**The JPG image in print resolution and the text of the press release as a Word document with captions can be downloaded from the page** [**https://www.auchkomm.com/aktuellepressetexte#PI\_273**](https://www.auchkomm.com/aktuellepressetexte#PI_273)

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