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Press Release 6/2024

- **ROEMHELD at Euroblech: set-up time optimizer presents innovations in die clamping and changing technology**
- **Integrated solutions from the rack to the press**

Laubach, August 28, 2024. ROEMHELD will present various innovations designed to optimize set-up times on presses and punches at Euroblech. A new hollow piston cylinder, which can be flexibly adapted to dies with clamping edges of different heights, will make its trade fair début.

Other new innovations are the pull-push chain systems with several control options. They are available in various standardized versions as “quick and simple plug & play packages”.

A redesigned arch clamp will also be on display for the first time. And yet another highlight will be the wide range of die changing carts.

ROEMHELD will present a comprehensive overview of its full range of die change solutions along with its new products at Euroblech from October 22 to 25, 2024, in Hanover, Hall 27 at Booth K65.

Innovative hollow piston cylinder for dies with clamping edges of different heights

The new hollow piston cylinder clamps dies with clamping edges of different heights. This makes forming work easier, especially for contract manufacturers who use different, non-standardized die clamping edges.

According to the manufacturer, the unrivalled element can be used for clamping edges with a difference in level of up to 30 mm. The desired height can be set in increments of 1 mm. The new hollow piston cylinder offers clamping forces of 60 or 100 kN and can be used with an operating pressure of up to 400 bar.



From a single source: new pull-push chain system for plug & play

The new pull-push chain system for loading presses and punches is suitable for almost all application scenarios and dies up to 40 tonnes. It can be installed either directly on the system or on a rail-bound transport system. Alternatively, for loading by crane, it can be integrated into a manually or electrically driven die changing console.

The pull-push chain system is available as a complete solution in various standardized versions and with different control variants. Since all components are designed to work together, the manufacturer promises a quick and simple “plug & play” installation.

New arch clamp for superior operating and process reliability

For the first time at Euroblech, ROEMHELD will exhibit the new, redesigned arch clamp for dies with straight clamping edges. It is suitable for dirty, hot environments up to 250° C on press beds and rams in sheet metal forming, and in die casting and forging applications. A special, long-lasting corrosion-resistant coating ensures excellent sliding properties. As a result, the bolt releases effortlessly even under the most demanding use.

The arch clamp is available in seven versions each with or without position monitoring for superior process reliability. An integrated mechanical locking bolt holds the upper die reliably, even in the event of pressure loss.

Wide range of carts for changing dies

The extensive range of transport carts for changing dies includes models for loads between 500 kg and 40 tonnes. There are manually movable models with small turning radii for narrow aisles and short distances to larger free-moving versions for loads of up to 8 tonnes and rail-bound systems that connect different halls to one another. Smaller models are available with or without an integrated auxiliary drive.

All transport carts offer a standardized docking system adapted to the respective press, which ensures safe transfer of the die to the machine. Hydraulically lowerable ball bars on the transport surfaces make it easier to move the dies.



About the ROEMHELD Group:

Whether in medical technology, mechanical engineering, the automotive, aviation and agricultural industries or the manufacture of housings for smartphones: technologies and products from the companies of the ROEMHELD Group have been used in the manufacture of numerous industrial goods and products for the end consumer for over 80 years.

The constantly growing range of more than 25,000 catalogue items includes innovative and smart solutions for manual and automated clamping and set-up of dies, workpieces, fixtures and pallets as well as for handling and assembly. They are used in numerous industrial companies worldwide, particularly in machining, forming technology, plastics processing and 3D printing.

The focus is always on efficiency and productivity - through minimised set-up times, fast production and a high degree of flexibility.

Innovation through tradition: ROEMHELD has its origins in the Friedrichshütte foundry founded in 1707, which still belongs to the ROEMHELD Group today and is one of the oldest active industrial companies in Germany.

The owner-managed group of companies comprises three members. Römheld GmbH Friedrichshütte, Laubach/Germany, specialises in workpiece clamping elements, assembly and handling technology as well as die clamping and changing technology. Zero-point clamping systems, machine vices and tower clamping systems are produced by STARK Spannsysteme GmbH, Rankweil/Austria. Technical advice and development of machine vices, tower clamping systems and die clamping and changing technology is provided by Hilma-Römheld GmbH in Wilnsdorf/Germany.

The group of companies employs around 530 people and is represented by service and sales companies in over 50 countries. It generates an annual turnover of more than 90 million euros.



Photos:



Image 1:

The new hollow piston cylinder has an infinitely variable adjustment option for dies with different clamping rim heights (Photo: ROEMHELD).

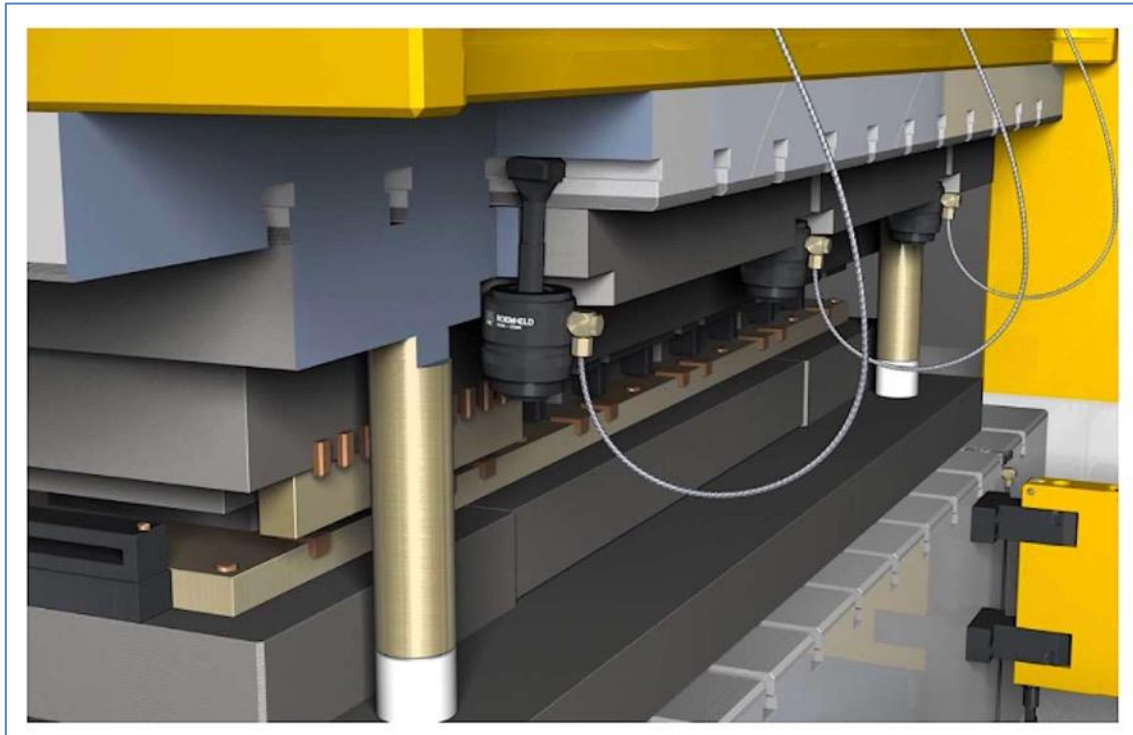


Image 2:

This makes forming work easier, especially for contract manufacturers who use different, non-standardized die clamping edges (image: ROEMHELD).

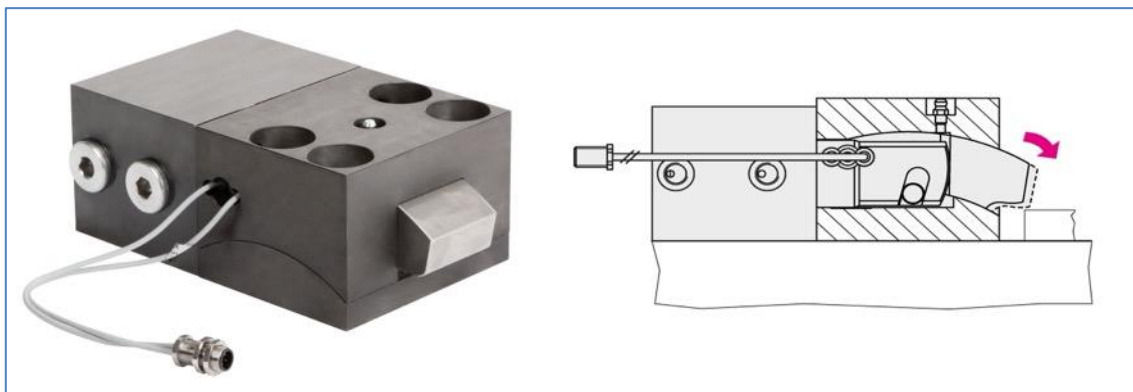


Image 3:

The new, redesigned arch clamp will be presented for the first time at Euroblech (image: ROEMHELD).



Image 4:

ROEMHELD will present a comprehensive overview of its full range of die change solutions (image: ROEMHELD).

You can also download the press release as a Word document and the image material in print quality here:

https://www.auchkomm.com/aktuellepresstexte#PI_580

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