

TOX FlexPress Compact:

Seamless monitoring of assembly processes

TOX PRESSOTECHNIK is expanding its range of standard presses: The TOX FlexPress Compact not only enables flexible tool replacement, but also monitors the process and creates analyses on this basis. Furthermore, the mechanical engineering company from Baden-Württemberg is also establishing a completely reworked press design with this new development.

With the TOX FlexPress Compact, the mechanical engineering company from Weingarten in Germany has developed a new standard press, which keeps an eye on the parameters itself. Not only the concept is new, but also the design. For the first time, TOX PRESSOTECHNIK is moving away from its known look, without completely eliminating it. In addition to the now dominating color white, touches of green and magenta also uniquely identify the new standard press as having been built by TOX PRESSOTECHNIK, but lend it a more modern appearance at the same time.

The compact manual workstation only takes up a footprint of 425 x 703 millimeters on a table. With the highly intuitive control, the user can create a new process with just a few clicks via the 13-inch UDI (Universal Data Interface) panel. This is important, as the standard press is flexible in terms of technology – its tools can quickly be changed for any technologies mastered by TOX, such as clinching, riveting or pressing in. For the first time, TOX PRESSOTECHNIK has integrated the control cabinet into the press housing, thus reducing the space requirement of the table press.

Quiet power in four designs

The electromechanical drive TOX ElectricPowerDrive is positioned below a noise-reducing cover and drives the press with 5, 10, 30 or 60 kilonewton depending on the version. The integrated sensors measure each process and transfer the data to the process monitoring. It evaluates the information, creates analyses and thus ensures traceability of each component. Safe operation is ensured by a quiet- and quick-acting electrical safety door – with a touch of magenta – as well as RGBW illumination of the work area: This lights up in red for failed parts and green if everything is in order.

The new TOX FlexPress Compact with its integrated sensors and flexibility is ideally suited to applications requiring precision and tasks with small parts in small or serial assemblies. In short: Whenever changing components require replacement of tools and users want to record process and quality data seamlessly.

3,047 characters incl. spaces

Meta title: TOX FlexPress Compact: Flexible standard press with process monitoring

Meta description: With the TOX FlexPress Compact, TOX PRESSOTECHNIK establishes new technological possibilities and a new look: Tools can be easily replaced, processes can be adjusted and monitored.

Keywords: TOX PRESSOTECHNIK; TOX FlexPress Compact; flexible tool replacement; riveting; clinching; pressing in; manual workstation; bench press; ProcessMonitor; process monitoring

Captions:



Image 1: With the new TOX FlexPress Compact, TOX PRESSOTECHNIK not only establishes its first bench press with the latest process monitoring, but also a completely reworked press design.



Image 2: The RGBW illumination of the work area lights up in red if the work process did not run correctly and the workpieces are not in order.



Image 3: The drive enclosure lowers the noise level, the integrated control cabinet reduces the space requirement of the TOX FlexPress Compact.

Images: TOX PRESSOTECHNIK GmbH & Co. KG

About the company:

TOX® PRESSOTECHNIK is a supplier of presses, systems as well as components for sheet metal joining and assembly technology. Since its foundation in 1978, the family business has become a global player with more than 1400 employees worldwide, 550 of which are based at the headquarters in Weingarten near Ravensburg, Germany. The success story started with one pneumohydraulic drive – the TOX®-Powerpackage. The “Components” division now includes pneumohydraulic and electromechanical drives as well as controls, sensors and software for process monitoring and quality assurance. In addition to a large range of presses, the system range comprises manual, machine and robot tongs. Another mainstay are modern sheet metal joining procedures, also incorporating the TOX®-Clinching Technology, which makes the company today’s market leader.

Drives, processes and systems from TOX® PRESSOTECHNIK can be found at automotive manufacturers and their suppliers as well as at industrial businesses for household appliances, electronic components, furniture and much more. Special versions of the TOX®-Drives are also approved for the food industry.

TOX® PRESSOTECHNIK is represented worldwide: 18 subsidiaries, amongst others in the USA and South America, Europe and South Africa, India, China and the entire Pacific Region. 20 representatives in many other markets support and advise local customers.

In case of questions, contact:

TOX® PRESSOTECHNIK GmbH & Co. KG

presse@tox-de.com

Riedstraße 4

88250 Weingarten, Germany

Tel.: +49 751 5007- 0

www.tox-pressotechnik.com

In case of publication, please send a specimen copy to our agency:

a1kommunikation Schweizer GmbH

Dunja Jakob

Oberdorfstraße 31 A

70794 Filderstadt, Germany

Tel.: +49 711 9454161 - 14

dunja.jakob@a1kommunikation.de

www.a1kommunikation.de