

TOX PRESSOTECHNIK meets current DIN EN ISO 16092

## Presses in compliance with new standard

When presses are redesigned, modernized or upgraded, this is always done in accordance with standards. The DIN EN ISO 16092 approved in August 2019 applies with immediate effect. TOX PRESSOTECHNIK knows what is changing and is producing machines in compliance with the new product standard.

DIN EN 692 is becoming obsolete. For the press manufacturer, TOX PRESSOTECHNIK GmbH & Co. KG, this means the establishment of new processes to meet the standard, in particular with regard to the design of mechanical servo presses. The structure of the standard has also changed: Where each press type previously had its own standard, all versions are now grouped together in one DIN EN ISO. Part 1 includes the general safety requirement for the design of all press types. Parts 2 to 4 describe the specific requirements of the individual drive versions – mechanical or servo-motor driven, hydraulic or pneumatic. Depending on the press type, developers apply the general part combined with part 2, 3 or 4 accordingly.

### Focus on mechanical servo presses

For the first time, the new standard considers servo-motor driven presses as subcategory of the mechanical systems. This explains why TOX PRESSOTECHNIK needs to switch the adjustment and evaluation for its presses with TOX-ElectricDrive drive to the new standard – part 1 and 2, to be precise, while the conformity assessment procedure for mechanical, hydraulic and pneumatic presses remains the same. Up to now, the engineers from Weingarten had shown evidence of conformity for standard models of the servo-motor driven presses by means of a type examination. For special machines, the comprehensive quality assurance system is applied in addition. "However, due to our valid type examination, the time factor October 2021 is not relevant here", says Stefan Katzenmaier, Head of Sales Components & Regions at TOX PRESSOTECHNIK. This examination will be replaced by reference to the new product standard in a next step.

Further changes control safe operation of the <sup>presses</sup>: For example, if the opening to the working area of the press is larger than 650 mm, the previously sufficient two-hand control must be supplemented by an additional protective measure. For the remaining three sides, the new standard now generally prescribes a protection.

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**Meta title:** TOX PRESSOTECHNIK is working in accordance with new press standard

**Meta description:** New, modernized and upgraded presses must comply with the new DIN EN ISO 16092 with immediate effect. TOX PRESSOTECHNIK knows what is changing and is working in compliance with the new safety directive.

**Keywords:** TOX PRESSOTECHNIK; press standard; DIN EN ISO 16092; safety directive; TOX-ElectricDrive; servo-motor;

Captions:



**Image:** Extra safe - TOX PRESSOTECHNIK is already producing in compliance with DIN EN ISO 16092 today

**Image:** 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.

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