

Mobile clinching with the TOX-BatteryTong

400 clinch points with one battery load

TOX PRESSOTECHNIK has designed new handheld tongs, which are easy to operate, and can be used anywhere thanks to the rechargeable battery. The TOX-BatteryTong of type MBT-C 050 is the first model that operates independent of an external power and compressed air connection.

Whether it is prototype construction, serial production or building site operation – there are always situations in which clinching is required with little effort and low quantities. The application does not always justify the investment in pneumohydraulic handheld tongs, which are generally used in connection with an external pressure intensifier as well as a balancer. Sometimes, the space or infrastructure on site is simply lacking, for example in case of repairs outside of the production halls. For this reason, TOX PRESSOTECHNIK has designed a significantly lighter and easy to operate model: the TOX-BatteryTong MBT-C 050. Including the lithium-ion battery, it only weighs seven kilogram and generates press forces between ten and 50 kilonewton – accurately adjustable via the display in 1 kN steps. This makes it strong enough to permanently join different materials and metal thicknesses.

The battery-operated clinching tongs are available with a 30 or 60 millimeter large C-frame, and set up to 400 clinch points with one battery charge. The cycle time is six seconds. The user can connect to the tongs and read out relevant process data via a Bluetooth interface and the respective app.

The TOX-BatteryTong is supplied in a case including the required clinching tools, a powerful Li-ion rechargeable battery and the charger. Optionally, the user can also order another battery or an X-dimension gauge for checking the residual bottom thickness in the clinch point.

1,859 characters incl. spaces

Meta title: On-the-go clinching: the new TOX-BatteryTong

Meta description: Light in the hand and easy to operate – the new battery-driven handheld tongs from TOX PRESSOTECHNIK are a reasonably priced solution for mobile clinching.

Keywords: TOX PRESSOTECHNIK; handheld tongs; TOX-BatteryTong MBT-C 050; clinching; clinching tongs;

Captions:



Image 1: The TOX-BatteryTong of type MBT-C 050 is the first model that operates independent of an external power and compressed air connection.



Image 2: Safely stored: Handheld tongs, charging unit and clinching tools have their fixed place in the handy case.

Images: TOX PRESSOTECHNIK GmbH & Co. KG

The high-resolution images can be downloaded [here](#).

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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