

Press release

22. October 2022

Clear energy saving thanks to servo-electric drive for ultrasonic welding

Apart from the far better welding quality with a servo-electric drive, it also helps to achieve savings of around 80 percent compared to pneumatically driven ultrasonic welding machines.

The clearly higher efficiency of the electrical drive is a result of the much more direct movement of this drive. Stepless regulation is possible, which saves energy.

The savings potential is enormous according to Danie Risch, the strategic key account manager at the MS Ultrasonic Technology Group: "Energy-efficient motors and adjustable drives together, result in an 80% savings compared with the standard energy consumption. This reduces CO2 emissions, which in turn saves electricity costs".

Although the investment in a servo-electric drive is around 20% more expensive, this can be recouped within a short time given the high electricity prices.

When making investments, the problem is often that the purchasing department makes a purchase decision based on the costs and not based on the key data that makes the most sense as a whole. As a result, "Energy guzzlers" are purchased that are cheap but not efficient. As energy prices continue to rise, decisions will hopefully be made with more foresight and in addition to energy-efficient machines, investments will also be made in high-quality machines.

Apart from the choice of drive, ultrasonic technology is fundamentally more efficient than alternative methods for joining plastics. No additives or other auxiliary materials are required and due to cold welding tools, no energy is wasted here either.

From product development to delivery, MS always makes sure that product solutions are developed and produced in a way that is as cost-efficient as possible and CO2 neutral.



MS sonxTOP MEMBRANE
Increased efficiency by combining two process steps.

Contact

MS Ultraschall Technologie GmbH
Karlstraße 8-20
78549 Spaichingen
Germany

Phone: +49 7424 701-800
E-mail: vertrieb@ms-ultrasonic.com
www.ms-ultrasonic.com

Follow us

