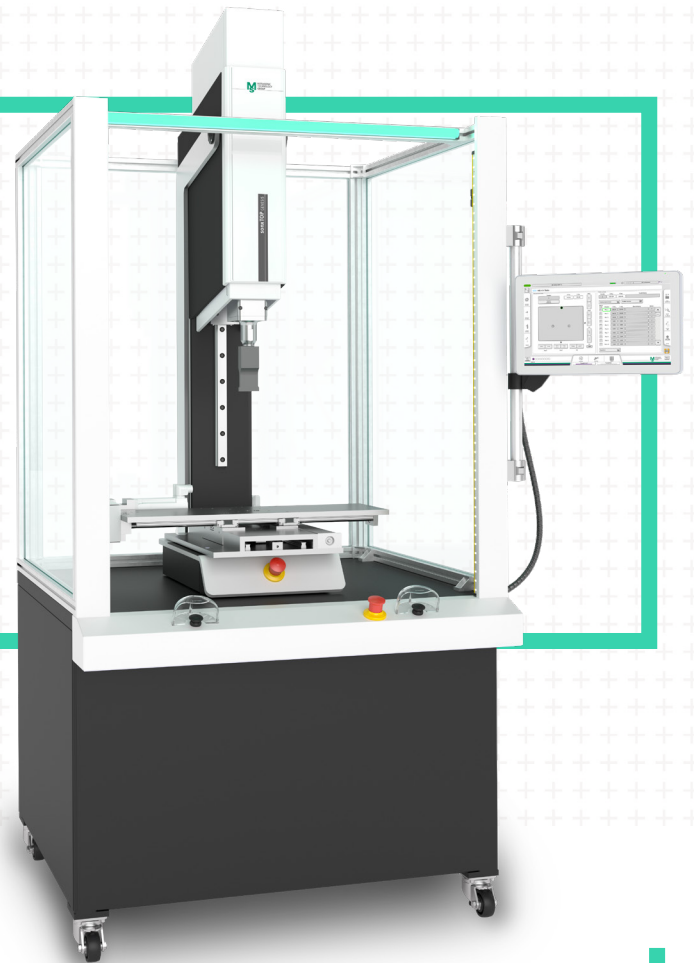


EXPANSION MS sonxTOP

**Everything under one roof –
servo presses with the
expansion MS sonxTOP
XY sliding table**



The high-precision, servo-electric driven servo press MS sonxTOP has been expanded with an XY sliding table. This expansion in the application range opens up possibilities to new applications with a multitude of welding points.

You will receive “everything from under one roof” and the full integration of the tried-and-true MS sonxTOP control. The expansion of functions in the MS Sequence, with the activation of the X and Y servo-axes of the XY sliding table, enables sequences with a variety of welding points.

As is known with the MS sonxTOP, the flexibility of tooling changes which allows the working of various components, remains unchanged. The servo-drive technology of the XY sliding table – like the servo-drive of the MS sonxTOP – enables precise positioning of the workpiece with high processing speed which results in high efficiency.

BENEFITS

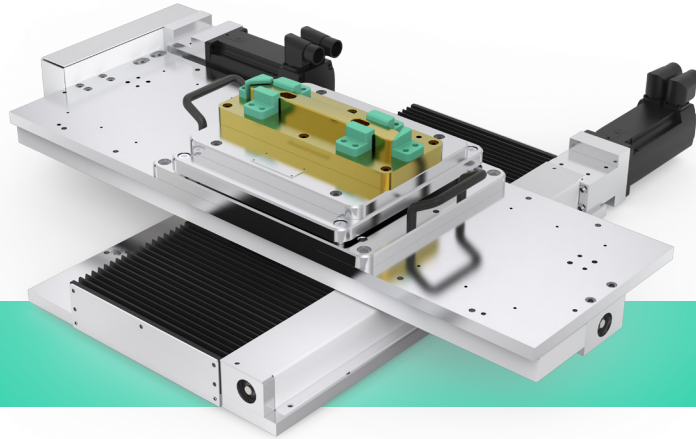
- + Compatible with the tried-and-true ultrasonic standing machines MS sonxTOP NEXUS / FUSION / GENESIS (20 kHz, 30 kHz)
- + The expanded, intuitive control technology with the function MS Sequence enables you to create a machine operating sequence in a short time through the HMI of the MS sonxTOP and without programming knowledge
- + All welding points can be freely determined via the HMI and offer you high flexibility with an increasingly wide variety
- + Clear visualization of the current process position on the HMI
- + Through standardization, we guarantee you significantly shorter delivery times up to 50% (12–16 weeks)
- + Cost-attractive alternative to our proven custom machines
- + Increased longevity due to end-to-end standardization
- + Unbeatable energy efficiency and high positioning precision through integrated servo-drive technology and dynamic movement of the XY sliding table
- + You invest in intelligent and seamless connectivity for your industry 4.0 production



EXAMPLES

Workpieces with multiple welding points can be welded in an automatic welding sequence and workpieces in a predetermined sequence can be precisely positioned. Examples:

- + Instrument holder
- + Absorber
- + Engine compartment cover
- + Spoiler
- + Mowing robots
- + Circuit boards



TECHNICAL DATA

Machine weight	approx. 800 kg
Measurements (WxDxH)	1,180 x 1,160 x 2,500 mm
Traverse XY sliding table	+/- 200 mm and +/- 125 mm (custom machine models have larger dimensions)
Traverse speed	300 mm/s
Compatible with	MS sonxTOP NEXUS / FUSION / GENESIS in 20 kHz, 30 kHz
Welding points	open programming with MS Sequence max. 200 welding points at 90° angle
Languages	14 languages
Interfaces	USB, network, fieldbus, 30 digital inputs and outputs
Applications	up to 1,000 pieces
MS Sequence	easy step-by-step programming to define program sequences according to your own wishes

OPTIONS

MS sonxWARE Remote	remote maintenance and parameterization completely via HMI MS sonxTOP
MS sonxWARE Gateway	Profinet, EtherCAT, EthernetIP, OPC UA, Profibus (V1.0), more on request
MS sonxWARE Network	network access to the machine
MS sonxWARE Import Export Manager	Data exchange via USB
MS sonxWARE Scan	defined scanners of the MS sonxTOP (handheld scanner or integrated scanner)
MS sonxWARE RFID	sonotrode detection and user identification
MS sonxWARE USB Administration	machine access via USB / parameterizable operator level and page authorization

