

**IN FOCUS**

# The convenient ultrasonic hand welding unit MS sonxPRO



The MS sonxPRO hand welding device with the new operating and control unit ensures even more reliable, efficient and convenient welding, riveting, crimping or cutting. The MS sonxPRO constitutes the universal solution for machining individual items, small series as well as for reworking – and this with the highest operating convenience, ease of use and great application safety.

Thanks to the new operator panel, with a simplified menu structure (inspired by our MS sonxTOP servo press), the operation and setup for your applications is greatly simplified.

## **BENEFITS**

- + Ergonomic handling as the switch from the gun to the rod version simply requires a rotation of the handle
- + Standard operating modes for variable fields of application and simple operation
- + Energy turn-off for operator-independent and repeatable welds
- + Monitoring of welding energy consumption to determine the weld pressure
- + Clearly arranged graphic display of numerous parameters
- + Short tooling times due to the quick-change system
- + Converter and sonotrode cooling with centralized compressed air supply, optimizes the handling and guarantees short welding intervals
- + High process quality due to the availability of various sonotrode geometries adapted to the component
- + Low weight guarantees working without tiring
- + Integrated sonotrode cooling (optional) – especially space-saving in case of tight spaces in the component
- + Coupled turn-off option as a safety device for machine connection (optional)



## INNOVATIONS

- + Reworked design with improved operating convenience
- + Use of the newest ultrasonic technology such as the MS sonxGEN generator
- + Presentation of the functionalities in a clearly arranged color display
- + Handy operation via a touchscreen with intuitive controls
- + Real-time display of amplitude, power, energy and welding time
- + Production monitoring by means of a piece counter as well as the displaying of "weld OK" or "not OK"
- + Recipe management (parameter set) with a quick selection of up to three favorites
- + User management with authorizations for operators, set-up technicians A / B / C and the administrator
- + Informative displays of process data and messages
- + Detailed error descriptions
- + Interface for data communication (EU: ProfiNET / USA: EtherNET / IP)
- + Additional turn-off option: "Power shut-down"
- + Outputs for control of external displays (light, horn, etc.)
- + Detailed weld and error protocol for even faster service

## TECHNICAL DATA

Power	1,000 watt
Frequency	35 kHz
Compressed air connection (for sonotrode cooling)	> 2 bar
Supply voltage	EU Version: 230 V US Version: 120 V

## OPTIONS

- + The individual components as the hand welding gun or operating and control unit available separately for extension or quick toolless replacement
- + Language selection German / English (other languages by request)
- + Practical transport case in an attractive design for safe and convenient transport, also available as a trolley
- + Holder for the deposit of the hand welding gun, available as a table version and as a wall holder
- + Safe holder for the attachment of a balancer

## ACCESSORIES

The MS sonxSON sonotrodes cover a wide spectrum of different welding variants. They are available in different designs for rivet welds and area welds.



One setting with both designs (pictures on the left and centre) | Transport case with tool, available as trolley (picture on the right)

