

SP 250-S V3

INFRARED WELDING:
LATEST TECHNOLOGY



FOR ALL AGRU PIPING SYSTEMS

PVDF-UHP, PVDF, PP-R, PP-H, PP-Pure,
Polypure, ECTFE, PFA, Poly-Flo, HV-
Liner and PE 100-RC piping systems

AUTOMATIC WELDING

Highest weld quality with 100%
repeatability

MAXIMUM PERFORMANCE

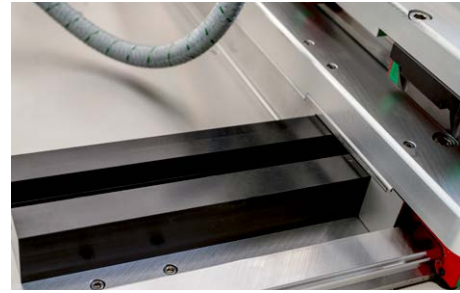
25 years accumulated experience in
infrared welding technology

ALL-IN-ONE-BOX

Machine and accessories in a compact
box that is suitable for clean rooms



AUTOMATIC PROCESSING



Entire processes are servo-electronically controlled for precise pressure and for movement welding.

LARGE DISPLAY WITH 3D MENU



A 10.1" touchscreen supported by 3D animations guides you through all the required settings and welding procedures.

FULLY-AUTOMATED WELDING PROCESS



RFID data input for system access and welder identification in combination with the pre-programmed welding processes ensure a very safe and automatic welding process.

AGRU WELD NET SOFTWARE

The AGRU WELD NET software enables the detailed analysis of all collected data on the PC (welder, welding time, material, welding parameters, etc.).

CHOOSE YOUR OWN LANGUAGE



The user instructions are available in German, English, traditional and simplified Chinese, French, Dutch, Italian, Japanese, Korean, Russian, Spanish, Swedish and Czech. Other languages are available on request.

FULL-FEATURED DOCUMENTATION



„Ongoing job report“ on the machine, QR code and mobile AGRU app record all welding parameters, such as temperature, joining pressure and time.

JUST AWESOME

As a big brother, the SP 250-S V3 has the same features as the SP 110-S V3. In addition, the machine offers longer clamping tables and even better clamping jaws, extended analysis options, parallel height adjustment, a collapsible transport box and external fuses.



EVERYTHING IS IN BALANCE



For perfect welding results, a bubble level is integrated. It allows perfect alignment of the welding machine in two dimensions.

LONGER CLAMPING TABLES

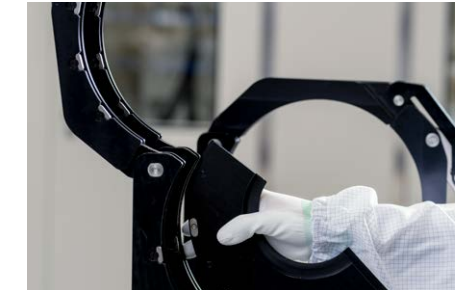


Longer external tables for the main clamping jaws facilitate the clamping of large parts, such as Ø diaphragm valves.

HUGE DATA STORAGE

A huge data memory capacity for > 20,000 welds and the input option of 42 freely selectable additional parameter trees ensure higher operating times in highly sensitive areas.

MAGNETIC CLAMPING INSERTS



Magnetic clamping inserts enable a fast, easy and particle-free changing to other dimensions without any additional tools.

SAFE DATA TRANSFER

Updating machine software and welding process parameters as well as downloading welding documentation and service information can easily be done by using a USB stick or bluetooth connection. This guarantees to be in line with the highest standards.

SAFE TRANSPORT



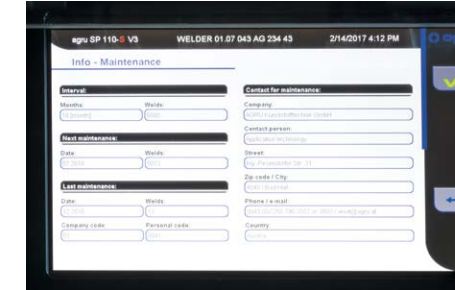
The heating element can be firmly locked with a clamping lever for safe transport.

PARALLEL HEIGHT ADJUSTMENT



Parallel guided height and lateral adjustment of the clamping jaws for exact tension-free alignment of the welding zone with minimal pipe misalignment.

INTEGRATED MAINTENANCE



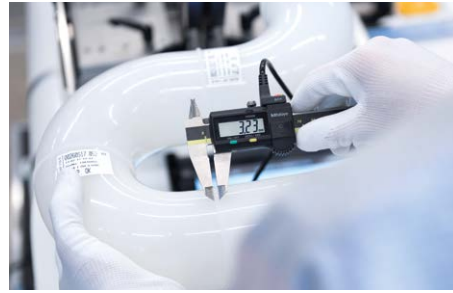
Integrated remote maintenance program including documentation for best service.

LESS STORAGE SPACE



Compact, solid, foldable, stackable and lockable box for easy, safe transport and less required storage space.

PERFECT WELDS



All welding parameters predefined by AGRU, such as temperature, joining pressure and welding times, are constantly monitored, controlled, logged and regulated depending on ambient temperature, which is also constantly measured. QA/QC guidelines for evaluating welds and precise bead measurement by an integrated calliper guarantee excellent and reliable weld quality for each material.

FULL VIEW OF THE WELDING AREA

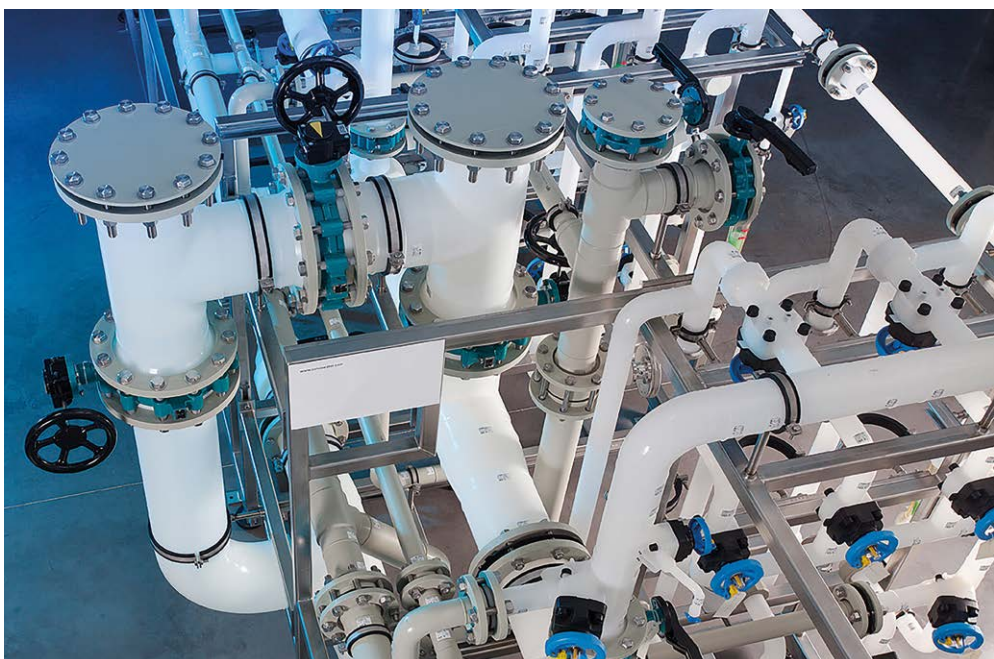


The newly designed planer and heating element are arranged in a way which ensures full 360° visibility and access to the welding area for complex isometrics.



New standard in welding technology

SP 250-S V3 is suitable for all AGRU pipe components between OD 90 mm (3") und OD 250 mm (10"). The weldable materials include PVDF-UHP, PVDF, PP-R, PP-H, PP-Pure, Polypure, ECTFE, PFA, Poly-Flo, HV-Liner and PE 100-RC piping systems. Based on AGRU's long standing welding experience, welding parameters for each material are defined and pre-programmed on the machine.



Die SP 250-S V3 is the perfect welding machine for the following fields of application:

- Semiconductor industry
- Industrial applications
- Chemicals industry
- Hospitals and laboratories
- Food and beverage industry
- Dairy industry
- Pharmaceutical industry