SP 110-S V3

INFRARED WELDING: LATEST TECHNOLOGY





FOR ALL AGRU PIPING SYSTEMS

PE 100-RC, PP-H, PP-R, PP-Pure, Polypure, PVDF, PVDF-UHP, ECTFE, PFA, Poly-Flo, HV-liner piping system

AUTOMATIC WELDING

Excellent weld quality with 100% repeatability

MAXIMUM PERFORMANCE

More than 20 years accumulated experience in infrared welding technology

ALL-IN-ONE-BOX

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

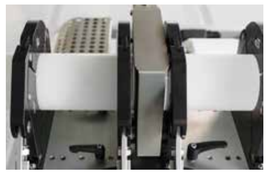


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The Plastics Experts.

Premium welding technology AGRU SP 110-S V3

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.

OPTIMISED FOR CLEAN ROOMS

Universal transport box design with smooth, easy-to-clean surfaces. Equipped with integrated cut-outs for forklifts. For welding under special conditions, the machine can simply be removed from the box.

13 LANGUAGES AVAILABLE



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.



NOW AVAILABLE FOR POLY-FLO



The new AGRU double containment piping system Poly-Flo in PE and PP can now be welded quickly and perfectly.

MAGNETIC CLAMPING INSERTS



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

INTEGRATED MAINTENANCE



Integrated remote maintenance program including documentation for best service.

HUGE DATA STORAGE

A huge data memory capacity for > 20,000 welds and 42 welding parameters ensures a longer operation time in highly sensitive areas.

PERFECT WELDS



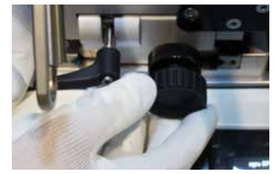
All welding parameters predefined by AGRU, such as temperature, joining pressure and welding times, are constantly monitored, controlled logged and regulated depending on ambient temperature, which is also constantly measured. QA/QC guidelines for evaluating welds and precise bead measurement by an integrated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

PRACTICAL TRANSPORT BOX



Compact, solide and lockable box for safe and easy transport and fast start up. Also available with an integrated transformer (110 V/ 230 V).

VERTICAL AND HORIZONTAL ADJUSTMENT

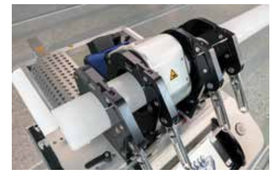


Mechanical vertical and horizontal adjustment of the clamps for precise, tension-free alignment of the welding zone and lowest offset.

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 ethernet connection. This gurantees to be in line with the highest standards.

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.

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New standard in welding technology

SP 110-S V3 is suitable for all AGRU pipe components between OD 20mm (1/2“) and OD 110mm (4“). The weldable materials include PE 100-RC, PP-H, PP-R, PP-Pure, Polypure, PVDF, PVDF-UHP, ECTFE, PFA and Poly-Flo in PE and PP. Based on AGRU´s long standing welding experience welding parameters for each material are defined and pre-programmed on the machine.



The SP 110-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

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