

# SP 250-S V3 IR/BUTT WELDING TOOL



## TECHNICAL SPECIFICATION:

**Size range:** 90mm - 250mm (3" - 10")

**Piping:** Single and double wall

**Materials:** PVDF, PP, PPH, PPn, PE100-RC, ECTFE (Halar®), Poly-Flo® (double wall) PE and PP

**Required Power\*:** 400V/3ph/30Amp

**Optional Transformer\*\*:** 208/230V to required 400V/3ph/30Amp

**Working dimensions:** 41" x 57-1/2" x 53-1/2"

**Shipping dimensions:** 46" x 63" x 61"

**Shipping Weight:** 2115 lbs.

## FEATURES:

- Automated planing depth feature
- Automated fusion process
- Internal validation program
- Machine and accessories in a compact box
- Comes with printer and cleanroom labels
- Ideal for shop or cleanroom operation
- Bluetooth connected with AGRU WELD NET for data retrieval and software updates

## POWER REQUIREMENTS:

- **\*Transformer is required to operate tool - see page 2 for more information**
- 208/230v to 400V/3ph transformer is required when tool is purchased. Power plug requirements come with rental units only.
- Tool must be plugged into a dedicated power source.

## OPTIONS:

- Digital caliper for weld bead measurement into weld data records

## ABOUT THE SP 250-S V3 MACHINE:

The SP 250-S V3 is an automated IR/butt welding machine that offers excellent weld quality with 100% repeatability. The machine is operated with RFID technology and includes magnetic clamp inserts for welding different pipe sizes. The machine and accessories come in one, compact box that is suitable for cleanrooms. Welding parameters for each material are defined and pre-programmed on the machine for simple functionality.

\*\*Transformer is supplied with rented tool and can be purchased as needed if site does not have 400v/3ph/30Amp service available. Rental units require a separate line on rental PO for transformer with tool - see page 2. Power must be a dedicated source, uninterrupted and free from voltage swings.



**TOOL PURCHASE PART NUMBER: 5869002**

**TOOL RENTAL PART NUMBER: 9869003**

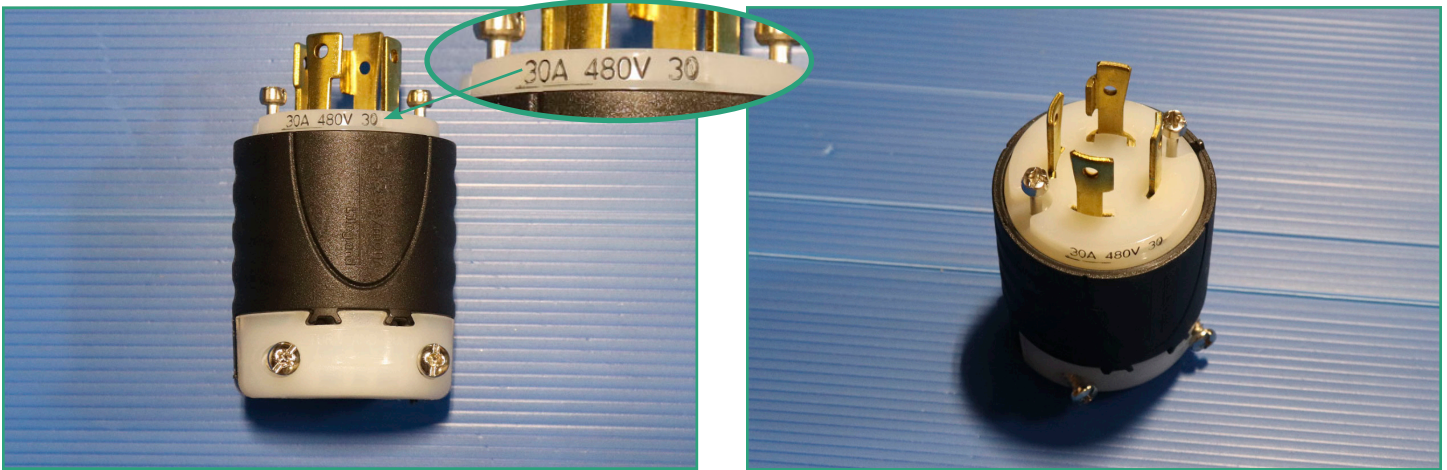
# SP 250-S V3 IR/BUTT WELDING TOOL

## \*TRANSFORMER INFORMATION FOR SP 250-S V3 TOOL

- All Asahi/America SP 250-S V3 and SP 315-S V3 welding tools require a transformer in order to operate. If available site power does not meet the 400V/3ph/30Amp tool power requirement, a transformer must be purchased or rented separately with the tool. See transformer purchase and rental part numbers at the bottom of this page.
- The machine comes supplied with 400V/30Amp/3ph plug when purchased
- The transformer brings the supplied 208V/30Amp/3ph power up to 400V/30Amp/3ph for the tool
- If the machine is rented, the units are already set up to correct power requirements of 208V, but sometimes customers change this depending on onsite power
- Each operating site needs to have 208V/30Amp/3ph power with correct NEMA plug where the transformer plugs in
- Tool requires uninterrupted dedicated line of power

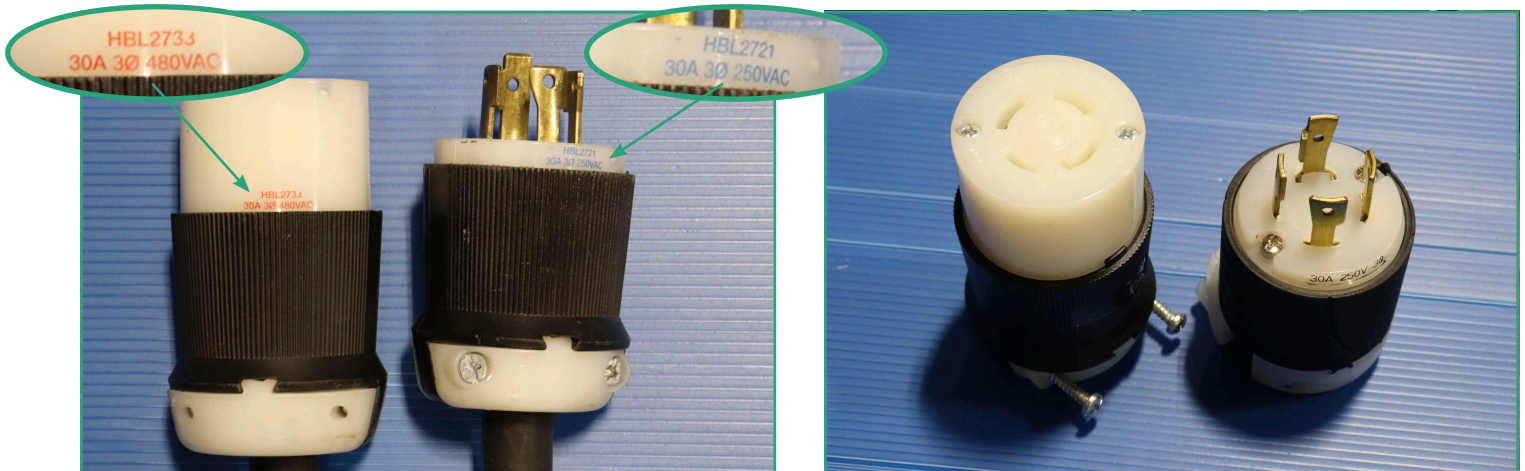
## TOOL PLUGS:

The SP 250-S V3 tool comes supplied with 400V/30Amp/3ph male plug. To operate the SP 250-S V3 tool, a transformer is needed to bring power output from 208V up to 400V.



## TRANSFORMER PLUGS:

The transformer must be purchased or rented separately. Transformer comes with a female 400V/ 30Amp/ 3ph plug and 208 V/ 30Amp/ 3ph male plug. Onsite wall/generation should have these requirements.



For questions, please reach out to our tool and rental department at 781-388-4618 or [toolmanager@asahi-america.com](mailto:toolmanager@asahi-america.com)

**(TRANSFORMER) PURCHASE PART NUMBER: 9569003**

**(TRANSFORMER) RENTAL PART NUMBER: 5869003**