



## MANUAL SEALING TONGS

### 1S SERIES

These portable welding tongs with generator are easy to handle and lightweight, and enable nuclear waste to be disposed safely and without effort in leakproof bags. The 2 thermocouples ensure permanent and continuous monitoring of the welding zone, and therefore a hermetic seal that prevents any leakage or contamination during transport and storage.

THEY TRUST us



1S

#### Uses



Nuclear sector



Laboratory pharmaceutical and biological



Air filtration



- ✓ Portable, easy-to-handle, lightweight welders with a compact footprint.
- ✓ Control and regulation of the welding temperature of each heating tapes by a system of 2 thermocouples associated with an electronic board.
- ✓ Continuous monitoring of welding parameters defined during the qualification process.
- ✓ Quality and regularity of welds: traceability by memorising welding cycles.
- ✓ Easy to use: all welding steps are submitted to the operator for approval.
- ✓ Multifunction parameter-setting software (time, temperature, pressure...).



1 year warranty<sup>(1)</sup>

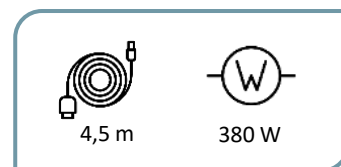
<sup>(1)</sup>Except wear parts



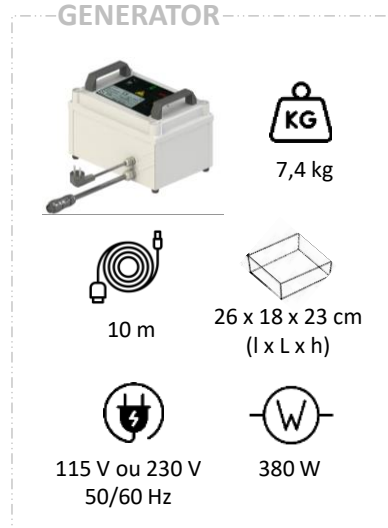
Compliance with CE standards

## TECHNICAL DATA

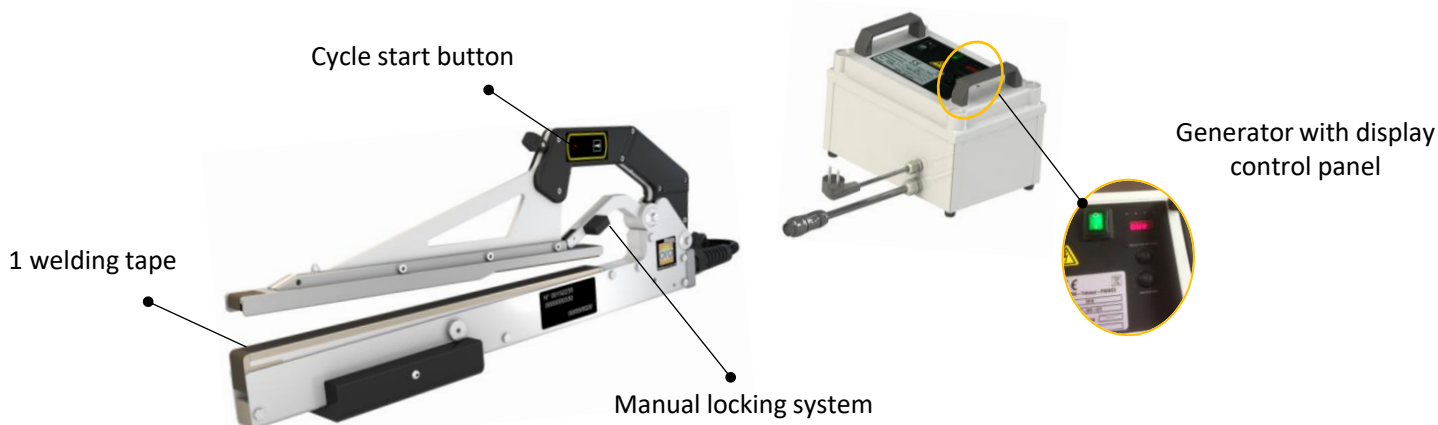
MODELS					
<b>1S 353</b>	51 x 6 x 19 cm	350 x 3 mm	manual	Ø 220 mm	1,7 kg
<b>1S 358</b>		350 x 8 mm			
<b>1S 352</b>		350 x 12 mm			
<b>1ST 352</b>		350 x 6 (3+3) mm	auto		
<b>1S 403</b>	56 x 6 x 19 cm	400 x 3 mm	manual	Ø 250 mm	2,2 kg
<b>1S 408</b>		400 x 8 mm			
<b>1S 402</b>		400 x 12 mm			
<b>1ST 402</b>		400 x 6 (3+3) mm	auto		
<b>1S 503</b>	66 x 6 x 19 cm	500 x 3 mm	manual	Ø 300 mm	2,8 kg
<b>1S 508</b>		500 x 8 mm			
<b>1S 502</b>		500 x 12 mm			
<b>1ST 502</b>		500 x 6 (3+3) mm	auto		



### GENERATOR



## EQUIPMENT



## CONFIGURATION SOFTWARE

- ✓ 2 secure profiles with different user rights.
- ✓ History and traceability by memorising welding cycles.
- ✓ Integration of weld characteristics according to needed parameters: material, thickness...

(more information on page 3)



### Need more information?

Contact the sales department  
+33 (0)4 74 00 59 54

## TABLE OPTION

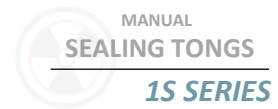
Compact work table with 5 wheels swivelling at 360° with brakes.

Not height-adjustable.

(more information in the tables product leaflet).



ref. DESSCHAR

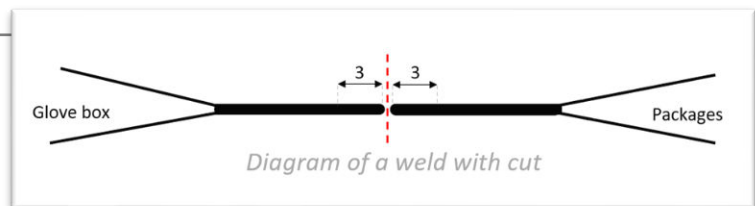


## WELDING ZOOM

### AUTO CUTTING BY T-SHAPED WIRE



- A 2 x 3 mm weld to separate the package from the isolator or BIBO, with an automatic cut in the middle
- The temperature is measured on the T-shaped throughout the cycle.



## ZOOM CONTROL PANEL



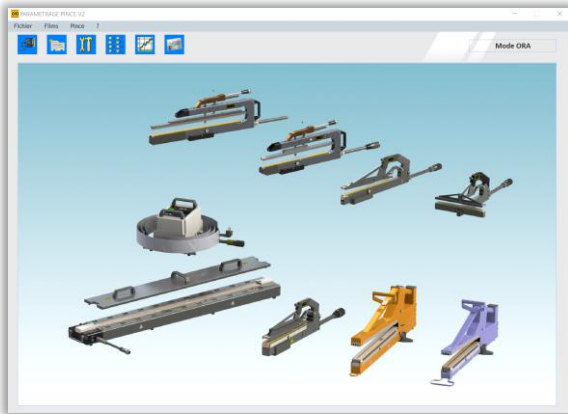
- 1 to 9 adaptable programs in memory.
- Simple 4-digit messages describing the procedure at each step of the process.



## ZOOM CONFIGURATION SOFTWARE

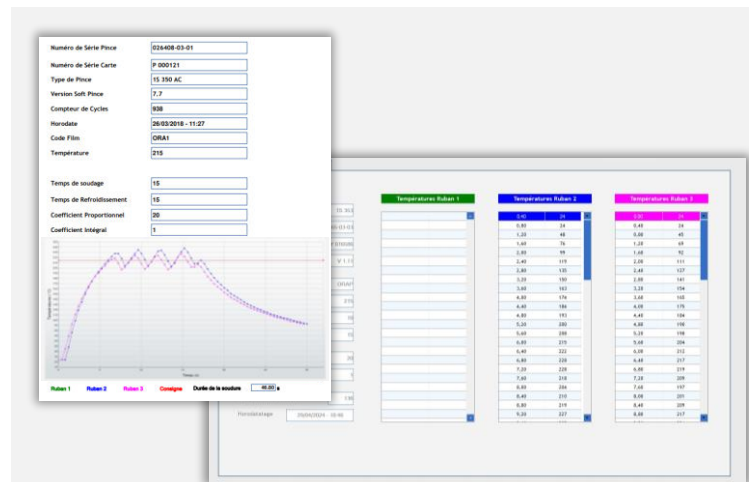
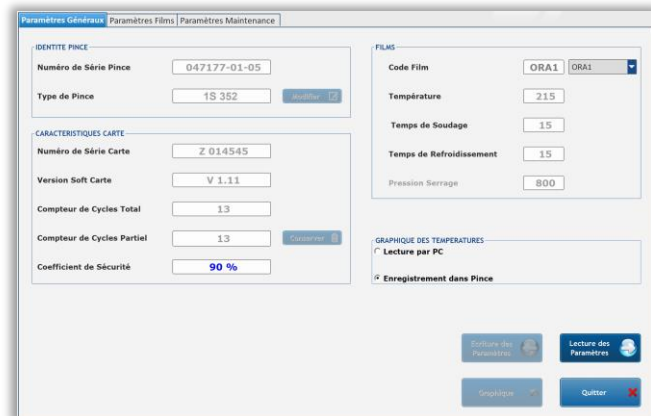
### THE SOFTWARE SUPPLIED WITH THE TONG ENABLES :

- Loading welding parameters.
- A record of the history of welds made with the tong.
- Diagnosis of incidents that may have blocked the welding process.
- The cycle is stopped if one of the parameters differs from that defined during the qualification process: the tong is held in the closed position to ensure that containment is maintained.  
(A warning message appears on the display).



### PARAMETERS :

The *parameters* menu gives all the information relating to the tong, in particular the tong serial number, the cycle counters (total and partial)... and allows the welding parameters to be defined according to the type of film.

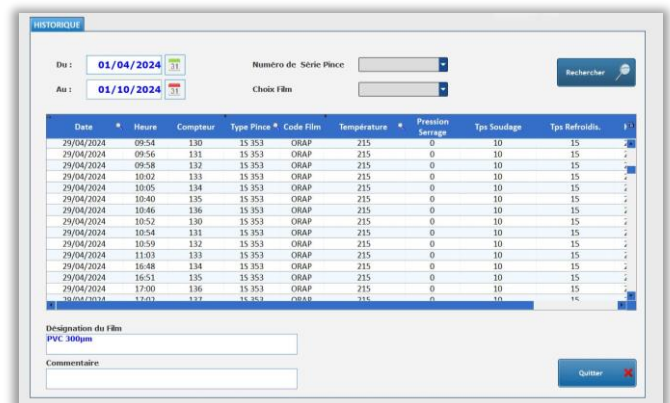


For each weld recorded in the history, the software provides details of the temperatures recorded every 300 milliseconds by each thermocouple.

### HISTORY OF WELDING CYCLES AND DEFECTS :

The software allows you to view the last 100 welding cycles with the exact temperature of each welding wire (stored in graphical and tabular form), as well as all the following information:

- Date and time of welding
- Film code
- Pressure
- Welding duration
- Cooling duration
- Counter



Need more information?



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