



**Thwing-Albert  
Instrument Company**

**More Than a Century of Testing Solutions**

## **Heat Sealer TA12-AS/2 & TA24-AS/2**

Precision Heat Sealer on an open-back frame featuring a digital timer and temperature controller, surface mounted thermocouple, and dual action cylinders. The open-back frame allows for both front-to-back and lateral pass-thru capabilities. This model offers upper and lower sealing dies (ordered separately)

### **Available Options:**

**Power Options:** 110 V, 60 Hz or 220 V

### **12" and 24" Models**

Sealing die with Teflon coated flat surface.  
All standard dies are 1/8" tall. Ordered Separately:

- 1/8" wide seal rib
- 1/4" wide seal rib
- 3/8" wide seal rib
- 1/2" wide seal rib
- 1" wide seal rib



**Short Cycle Indicator** disables the sealer if a seal cycle is terminated before the entire dwell time has fully elapsed, indicating to the operator that the last seal cycle was incomplete.

**High/low temperature alarm** with programmable alarm set points. The sealer will not function if the temperature is outside the set range.

**High/low pressure alarm** with programmable alarm set points. This feature includes a digital pressure gauge and an inline pressure transducer to monitor the regulated pressure.

**Resettable panel** mounted digital cycle counter.

**External output ports** (temperature, pressure and dwell time) on the side of the machine for use in process control verification and the calibration process. Three thermocouple output ports provide seal bar temperature data for right, left, and center point signals.

**Hinged plexiglass instrument cover** with lock to restrict access to the control panel.

**100% validatable and calibratable.**

**CE compliant & ISO 11607 compliant**

The guarding **meets ANSI, OSHA and CE requirements** regarding the opening in the relation to any burn or pinch points.

**Free fully executable** sample IQ and OQ documents provided with the purchase of a standard machine.





## Physical Specifications

	12" Model (TA12-AS/2)	24" Model (TA24-AS/2)
<b>Standard Base Size (W x D):</b>	412.8 x 492.3 x 536.7 mm 16.3" x 19.4" x 21.1"	692.2 x 492.3 x 536.7 mm 27.3" x 19.4" x 21.1"
<b>Machine Weight:</b>	120 lbs	160 lbs

*Note: All dimensions are for reference only.*

**Electrical Requirements:** 115 VAC, 6Amps, 50/60 Hz, 1 Phase  
 120 VAC, 11Amps, 50/60 Hz, 1 Phase (if lower heat option is selected)  
 Note: 220V 50 Hz Optional

**Pneumatic Requirements:** 125 PSI max (Compressed Air, CO2 or Nitrogen.)  
 0.11scf/cycle at 80psi (12" model)  
 0.19scf/cycle at 80psi (24" model)

## Optional Features:

**Removable work surface/fixture** provides a surface to prepare the material that is to be heat sealed.

**Fixed depth removable backstop** which is mounted to the machine frame will provide a positive stop behind the seal die.

**Adjustable depth backstop** which is mounted inside the machine. The position of the back stop is adjustable from 7/8" to 12" back from the center line of the seal die via an access hole in the back of the machine.

**Lower Heated Die** with the addition of an independently controlled lower heated die assembly (max. temperature of 400°F) including a second temperature control.

**CeraTek Timer Verification Tool** is a verifiable hand-held device is used to measure the seal time repeatability and accuracy.

**Static control options** including HepaClean Filtration, Particle Traps, and Ion Blowers.

*Specifications subject to change without notice.*

**Thwing-Albert Instrument Company**  
 14 W. Collings Avenue, West Berlin, NJ 08091, USA  
 tel 856-767-1000 ■ fax 856-767-2615 ■ info@thwingalbert.com

