

Automated Roll Heat Sealer

The Automated Roll Heat Sealer enables up to 5,000 perfect seals without manual user intervention, providing a true walk-away system. The main advantage of the Automated Roll Heat Sealer is that it is powered by electric motors, with no requirement for any air supply. This enables the Automated Roll Heat Sealer to generate a reliable and consistent sealing pressure, resulting in superior seal uniformity. In addition, it provides the user the flexibility to use this instrument without the need for an external air supply, enabling ease-of-use as a stand-alone unit on a lab bench or within integrated robotic set-ups. Consistent sealing is achieved through a fixed high sealing pressure and accurate time and temperature controls, ensuring reproducible seal uniformity on the widest range of plates. The high-performance heating block design enables rapid heating with no delay between seals, and provides a uniform temperature across the entire heating block. The Automated Roll Heat Sealer is compatible with a wide range of SBS footprint plates, including all PCR plate formats from 96 to 1536 wells, assay plates, deep well storage plates and microplates. The Automated Roll Heat Sealer can be used with the wide range of sealing materials that Azenta offers, including gas permeable seals with no further instrument modification, enabling a wide range of applications.

- Unrivalled sealing performance and consistency; 5,000 perfect seals without intervention
- SiLA compatible; Easy integration into robotic systems
- Powerful electric motor generates consistent sealing pressure for superior sealing uniformity
- High-performance heating block design generates uniform temperature across entire heating block

Features

- Powerful electric motor drives plate sealing mechanism
- SiLA compatible
- Compatible with a wide range of plates and seals; 2 positions for different roll sizes
- Variable time and temperature controls
- Seal cycle time < 15 seconds
- High-performance heating block design
- Color touch screen with intuitive user interface
- Unlimited password protected protocols
- Auto standby mode
- Optional roll cover
- 2 year warranty



Color touch screen with intuitive user interface – ease of use



Benefits

- Reliable and consistent sealing pressure; Superior sealing uniformity; No requirement for any air supply
- Easy integration into robotic systems through plug & play
- Flexibility with a wide range of consumables including gas permeable seals without instrument modification
- Enables optimization of any seal / plate type
- Time-saving
- Rapid heating, no delay between seals; Uniform temperature across entire heating block, +/- 1 degree edge-to-edge, corner-to-corner
- Ease of use, saving time
- Save personalized and SOP-set temperatures and times
- Energy-saving; prolongs component life
- Seal protection for sensitive applications
- Instrument reliability



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Providing The Perfect Solution For Automated Heat Sealing

Plug and Play Robotic Integration

- The automated Roll Heat Sealer is compliant with SiLA standards for rapid integration of automated systems (www.sila-standard.org). This means it can be “plug and play” connected with other instruments, such as readers, robotic arms and liquid handlers, to give a custom automated system without the need to write expensive custom drivers.
- The Automated Roll Heat Sealer is extremely versatile leaving you the freedom to expand and reconfigure your systems such as adding robotic plate handling.
- Full communication protocol available — operate the instrument and record sealing conditions for each seal using the RS232 communication port
- SiLA compatible — quick and easy integration with other SiLA compliant devices using the SiLA driver

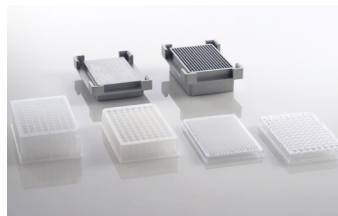


Technical Specifications

Parameter	Value
Dimensions (W x L x H)	230 x 507 x 276 mm
<i>Please note: Additional space is required if large seal rolls are used</i>	
Sealing Temperature Range	100-195°C
Sealing Time Range	0.1-10 sec
Weight (without roll)	27 kg
Power Supply	V in: AC 100-240 V V out: DC 24 V 320 W
Power Consumption	700 W (max)
Working Temperature Range	10-30°C
Operating Humidity (RH)	0-85%
Connection	RS-232 serial port, USB port



Flexibility of seal material choice - Azenta offers a wide range of sealing films and foils



Compatibility with a wide range of plate types - two adapters supplied for optimal sealing results, with custom adapters available on request

Ordering Information

Automated Roll Heat Sealer

Includes: Power cord, manual, plate support adapters A (4ti-0665-2) and B (4ti-0665-3), 24 months parts and labor warranty

AS4ti-0665	Automated Roll Heat Sealer, for use with adapters A and B
Accessories	
AS4ti-0665-1	Automated Roll Heat Sealer Seal Loading Tool, 1 per case
AS4ti-0665-2	Automated Roll Heat Sealer Adapter, adapter A
AS4ti-0665-3	Automated Roll Heat Sealer Adapter, adapter B
AS4ti-0665-4	Automated Roll Heat Sealer Roll Holder Set. 1 kit
AS4ti-0665-5	Automated Roll Heat Sealer Vacuum Cups, front, set of 2
AS4ti-0665-6	Automated Roll Heat Sealer Vacuum Cups, back, set of 2
AS4ti-0665-8	Automated Roll Heat Sealer Dust Cover, clear plastic roll
AS4ti-0665-41	Automated Roll Heat Sealer SiLA Driver



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