

# a4S Automatic Roll Heat Sealer

Integration friendly

A perfect solution for automated heat sealing of microplates, PCR plates, assay plates and storage plates used in medium to high-throughput or full automation applications. Unrivalled sealing performance and consistency with as many as 5,000 perfect seals without user intervention.

## KEY FEATURES

### Simple Installation

- ✔ No need for compressed air - Installation is fast and flexible
- ✔ 2 positions for different roll sizes - Increased flexibility
- ✔ Optional roll cover - Seal protection for sensitive applications



### Easy Handling

- ✔ Colour touch screen with intuitive user interface - Ease of use
- ✔ Unlimited password protected protocols - 3 security levels save personalised and SOP set temperatures and times
- ✔ Rapid heating - Fast start up time, block uniformity is maintained to  $\pm 1$  °C
- ✔ Variable time/temperature controls - Adjustment of time and temperature settings enables the perfect seal to be established for any sealer friendly, high-quality plate type, e.g. all 4titude® plates
- ✔ Up to 5,000 seals without manual intervention - True walk-away-system

### Reproducible Sealing

- ✔ Reproducible sealing - Fixed pressure and accurate time and temperature controls ensure consistent sealing
- ✔ High sealing pressure - Improved seal uniformity on the widest range of plates
- ✔ Sealing cycle time of less than 15 sec - Time saving

### High Flexibility

- ✔ Compatible with a wide range of plate types, from racked tubes to 1536 well PCR plates - Highest flexibility
- ✔ Flexibility of seal material choice - 4titude® offers a wide range of sealing materials, with a variety of properties
- ✔ Compatible with gas permeable heat seals - No instrument modification necessary for maximum convenience

### Economic Efficiency

- ✔ Competitive pricing - Save money without compromises
- ✔ Auto standby mode - Saves energy and prolongs component life
- ✔ 2 year warranty on parts and labour
- ✔ Extended warranty and service contracts available - For peace of mind

Automated  
Storage Systems

Cryopreservation &  
Cold Chain Solutions

Informatics &  
Technical Solutions

Sample Storage,  
Lab Services & Transport

Sample Consumables  
& Instruments

## Plug and Play Robotic Integration

- ✔ Compliant with SiLA standards for rapid integration of automated systems ([www.sila-standard.org](http://www.sila-standard.org)). This means “plug and play” connectivity 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 a4S heat sealer is extremely versatile leaving you the freedom to expand and configure 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

<b>a4S Automatic Roll Heat Sealer</b>	
Dimensions (W x L x H)	230 x 507 x 276 mm
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

Rolls with a width of between 75-85 mm can be loaded in either of two roll positions, depending on roll length and available space, enabling the entire instrument to fit under the gantry of most liquid handling robots.

The width and length of the applied seals are set to precisely cover an SBS footprint plate without interfering with plate stacking. The seal position can be adjusted to give an overhang at one end of the plate to facilitate ease of seal removal.

## Ordering Information

Please contact us for further information.



Automated  
Storage Systems

Cryopreservation &  
Cold Chain Solutions

Informatics &  
Technical Solutions

Sample Storage,  
Lab Services & Transport

Sample Consumables  
& Instruments

Learn more – [www.brookslifesciences.com](http://www.brookslifesciences.com)

Contact us – [www.brookslifesciences.com/contact-us](http://www.brookslifesciences.com/contact-us)

© Copyright 2019 Brooks Automation, Inc. B2019 FC-19