

Automating your microplate sealing process with our S-LAB Automated Plate Handler



Introduction

Microplate sealers are used around the globe within the medical, educational, and research environments.

Sealing microplates are typically used for the following applications:

- PCR/q PCR/N GS
- Screening
- Cell assays
- Cell culture
- Samples storage

The need to automate your laboratory microplate sealer with robotics is on the rise as laboratory samples require protection from outside contamination. Combining your microplate heat sealer with our S-LAB Pro automated plate handler for your simple workflows, allows you to increase productivity with a walk-away automation solution.

Although there are multiple heat-sealing laboratory instruments on the market, PAA have integrated our S-LAB plate handler to provide low cost automation with the two main players.

4titude® a4S Automatic Roll Heat Sealer by Brooks Life Sciences

The 4titude® a4S Automatic Roll Heat Sealer by Brooks Life Sciences allows laboratories to heat



seal a variety of microplates including, PCR plates, assay plates and storage plates. This variety of microplates coupled with an

S-LAB or KX-2 means that it is the perfect solution for medium to high-throughput workflows or full automation applications.

Agilent PlateLoc Thermal Microplate Sealer

The Agilent PlateLoc Thermal Microplate Sealer has been designed for fast, easy and reliable microplate sealing.

The Agilent offers a variety of seals for a large amount of applications and features an extended-travel plate stage which is ideal for robotic integration.



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Summary

Automating your microplate heat sealing instrument with a robotic automation process will optimise your laboratory workflow, enabling a reliable solution for unattended sample analysis.

Contact PAA if you would like advice on how to automate your instruments to increase productivity with unmatched value.

S-LAB Pro plate handler

The S-LAB Pro plate handling system is an entry level automation solution designed for easy installation and use. The S-LAB Pro plate handler operates standalone, offering unattended loading and unloading of plates into the microplate heat sealer with full plate tracking. With a barcode reader and delidding functionality as standard options, the S-LAB Pro plate handler offers a reliable, flexible, and easy-to-use automation solution.

Harmony™ user interface

PAA's Harmony™ user interface takes you through setting up your assay. Follow the process, review the entries, select run and walk away. The plates are automatically loaded into the instrument of your choice. Harmony sends you a message when the batch has been completed.

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