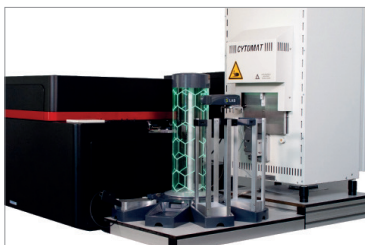


# S-LAB<sup>PRO</sup>

AUTOMATED PLATE HANDLER



**PAA**

AT THE HEART  
OF LABORATORY  
AUTOMATION

A Directech Company

[paa-automation.com](http://paa-automation.com)

# S-LAB<sup>PRO</sup>

THE S-LAB<sup>TM</sup> PRO AUTOMATED PLATE HANDLER IS AN ENTRY LEVEL AUTOMATION SOLUTION DESIGNED FOR MULTIPLE APPLICATIONS AND EASE OF USE.

These simple, versatile, and reliable automated plate handler will offer you improved throughput capabilities to help reduce your timelines.

We have an ever growing list of standard instruments, that offer rapid installation. For other instruments we can provide a bespoke integration service.

By using Harmony<sup>TM</sup> and Overlord<sup>TM</sup> software, control is simple, via an intuitive user interface on a laptop. Connection is via Ethernet.

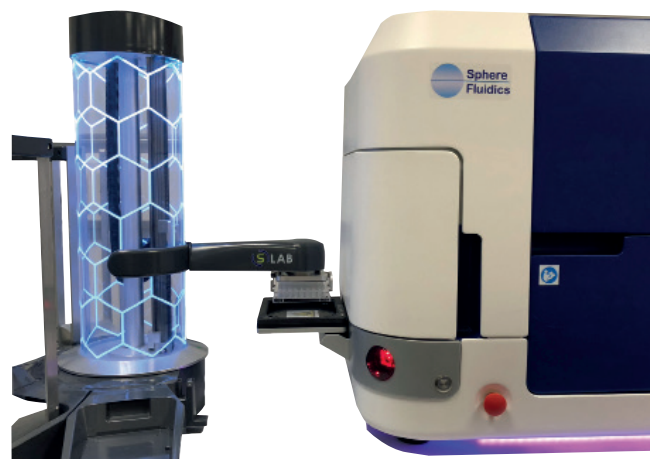


## Benefits

- / Compact plate handler (portrait or landscape), with the reliability of a robotic arm. Can fit within a standard laboratory safety cabinet
- / Already compatible with an extensive range of laboratory instruments, with Harmony Batch Manager<sup>TM</sup> and Overlord<sup>TM</sup> software for complete control
- / Improves laboratory productivity with walk-away automation.
- / Efficient handling of microplates: capacity up to 100 unlined/ 80 lined
- / Handles lined microplates providing sterility for cell-based or sensitive assays
- / Barcode reading and optical plate sensing for reliable, unattended operation
- / IQ/OQ certification available

“Our Cyto-Mine is compatible with 96- and 384- well microtiter plates, providing a high-throughput platform for single cell analysis. By combining this with the S-LAB, an easy-to-use automated plate handler from Peak Analysis and Automation, we will be able to offer improved throughput capabilities to help dramatically reduce timelines in biotherapeutic discovery and cell-line development.”

Dr Frank Craig, CEO, Sphere Fluidics



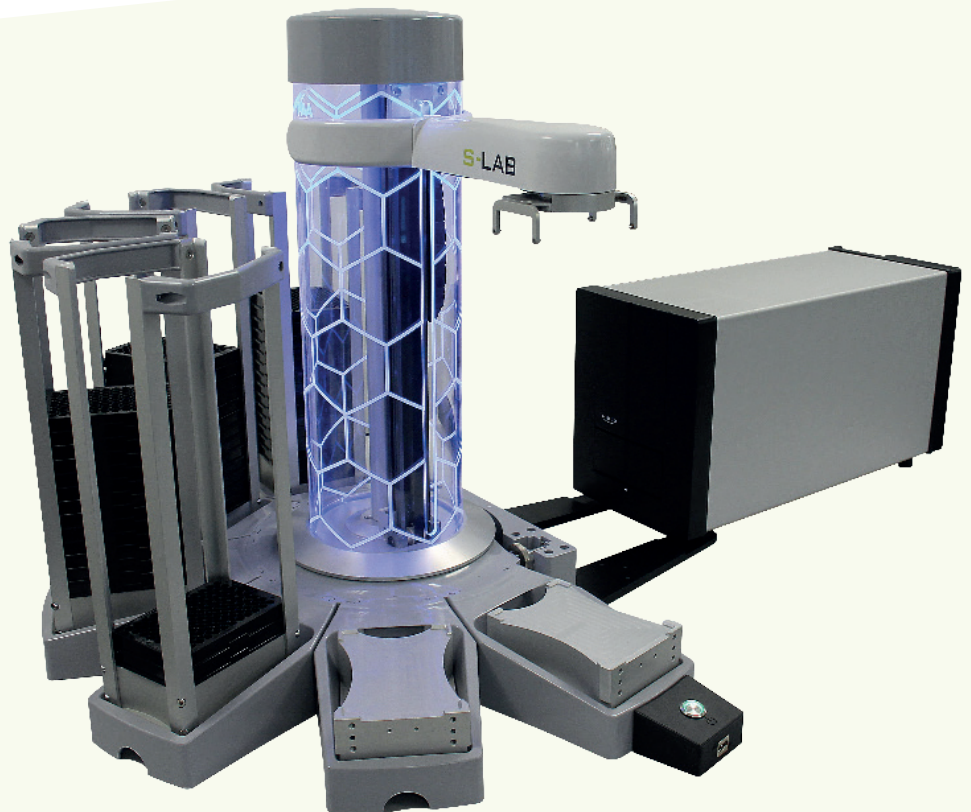


“We regularly run 20+ plate screens which are often barcoded, or requiring de-lidding. We were seeking a cost-effective and versatile arm, capable of loading a variety of different equipment including our plate reader and combi dispenser. The S-LAB has been easy to use, versatile and reliable meaning we can leave it unattended for long periods - including overnight. This reliability enables us to work in a flexible manner on multiple projects in parallel, developing new assays or engaging with our academic partners to establish new programmes.”

Trevor Askwith Ph.D , Senior Research Associate,  
Drug Discovery Group, University College London

## Easy instrument integration

S-LAB's flexibility allows easy integration with instruments from leading suppliers, offering a cost-effective automation solution for all your science needs.



## Applications for S-LAB integrations:

### / Liquid Dispensing/ Plate Washers:

- Thermo Multidrop Combi, Wellwash
- Tecan HydroFlex , HydroSpeed, D300e
- Gyger Certus
- Cybio Felix

### / Cellular Analysis:

- Intellicyte iQue Screener/Plus
- Nexcelom Celigo Imaging Cytometer
- Synentec CELLAVISTA
- Zeiss CD7 ( Celldiscover 7)
- GE IN Cell Analyser

### / Drug Discovery:

- Hidex Sense
- Molecular Devices SpectraMax
- Perkin Elmer Envision and Nivo
- Tecan Infinite, SPARK
- Thermo Fluoroskan, Luminoskan, Multiskan, Varioskan

### / Flow Cytometry:

- Miltenyi MQX, MQ10, MQ16

### / Genomics:

- Thermo Quant Studio

## General specifications

Dimensions	Height: 595mm, maximum width: 504mm, maximum depth: 648mm (with 6x S-LAB base units connected)
Capacity	Up to 100 standard microplates (unlidded) / 80 lidded
Plate exchange time	Plate loading time as quick as 16s and full cycle time at 32s
Microplate gripper	Allows presentation of microplates in either portrait or landscape orientation
Plate detection	Optical sensor
Barcode reader	Barcode reader included. Compatible with standard barcode formats
User interface	User-friendly web application available via PC
Power	100V-240V ~ 1.7A 50/60Hz Device rating: 30VA 24VDC
Weight	7kg with 6x S-LAB base units connected
Connectivity	1x ethernet RJ45 2x USB 2.0 ports Access to the S-LAB system is through a fixed wire connection to the ethernet port Instrument connectivity: USB, RS232 using USB/RS232 adaptor (supplied) or SiLA web service provider Remote control: RESTful API
Compliance	CE marked

## Storage components

The S-LAB comes with six slot-in base units which can be mounted around the plate handler. Each base unit can accommodate the following S-LAB storage components.

Stacks (Last in first out)	25x unlidded ANSI SLAS 1-2004 microplates (max height 15mm) 20x lidded ANSI SLAS 1-2004 microplates (combined height 17mm)
Plate park	A single microplate position to re-grip the microplate, improving plate loading accuracy and allowing barcode reading.
Lid park	A single microplate position with to store lids.



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