Brooks

# PathFinder™ 350A Archiver

Your answer to sealing, sorting and archiving of sample tubes

# PathFinder™ 350A Archiver

The PathFinder™ 350A Archiver is a benchtop robotic workstation for the post analytical management of sample tubes. For convenience, tubes can be presented to the system directly from analyzer racks. Just load the sample racks and walk away.

The PathFinder™ 350A takes care of the rest, the system automatically seals and sorts sample tubes into low cost storage racks recording the date, time, rack ID and position for each tube. Tubes are sealed with a laminated foil which seals the tube from leakage and evaporation during freezer storage or transport.

When interfaced to a Laboratory Information System (LIS), the PathFinder™ 350A relays each tubes bar code identification to the LIS. If the LIS indicates all tests are complete, the tube will be selectively foil sealed and sent to a storage rack. Tubes with any outstanding tests will be automatically sorted into a different rack for further processing.

Without a LIS connection, all tubes in a presented analyzer rack will be foil sealed and archived into storage racks. The tube storage locations can then be retrieved directly from the in-built database which is accessible locally or remotely from any network station in the lab.

The PathFinder™ 350A's size and flexibility in configuration makes tube automation accessible to small and medium laboratories. With robust functionality, the PathFinder™ 350A at last provides a simple and affordable solution to automating both the sealing and archiving of samples in one system.

Easy access to load new capping foil

## Applications

- Managing open sample tubes as they are removed from an analyzer
- Automated sealing of tubes for storage
- Sorting and management of samples for off-site testing send outs
- Segregating tubes into short term and long term storage (serology)
- Post analytical sorting of tubes for further processing
- Auditing test panel completeness

# Easy-to-Use Software

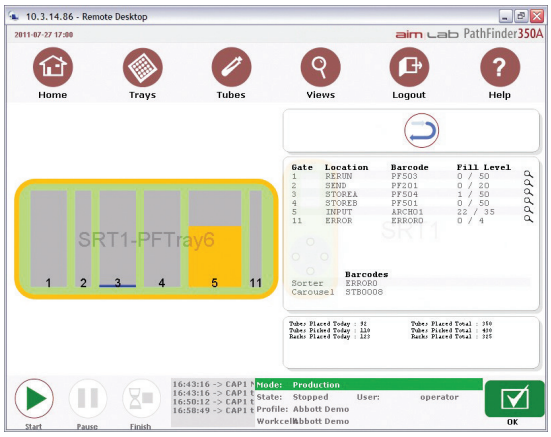
All the operator needs for routine operation is displayed through the Graphical User Interface which provides the current instrument status via colored graphical displays, intuitive icons and message windows.

More detailed information can be easily obtained as required by clicking on a module graphic or in the case of diagnostics, through help menus.

Search for the location of a specific tube, check to see if racks have been filled/emptied or access a productivity report either through the touchscreen or on any computer connected to your network using your browser.

Generate and print a list of samples by well position in a specific destination rack. In the case of samples sent off site, this can be used as a packing or check list.

For samples in containers that don't fit the tube specifications, the software has provisions to accept manually scanned samples to centralize your archiving requirements through the one system.




## Flexible

- Picks directly from a range of analyzer racks
- Mix 12mm and 16mm diameter tubes in the same rack
- Quick layout changes from different applications
- Color coded destination racks for ease of identification
- Different configuration options to access closely spaced tubes
- Choice of different languages
- On board database for operation without a LIS interface

# Lab Automation Made Easy

## Step 1

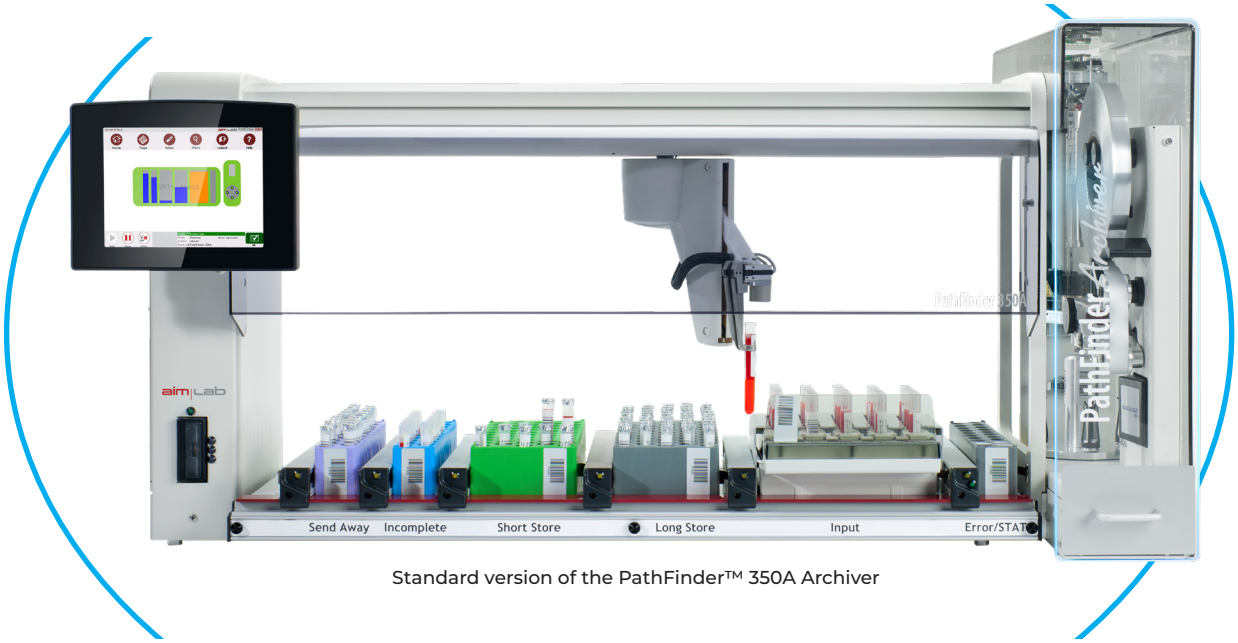
Completed analyzer rack is loaded directly onto the PathFinder™ 350A.

## Step 2

Tubes are sequentially collected, scanned and identified from their barcode ID by the LIS.

## Step 3

Tubes are foil sealed if LIS confirms all requested tests have been completed.




Standard version of the PathFinder™ 350A Archiver

## Step 5

Any tubes with outstanding tests are transferred uncapped to a destination rack for further processing.

## Step 4

Foil sealed tubes are transferred to storage rack for archiving or separate rack for further off-site testing.



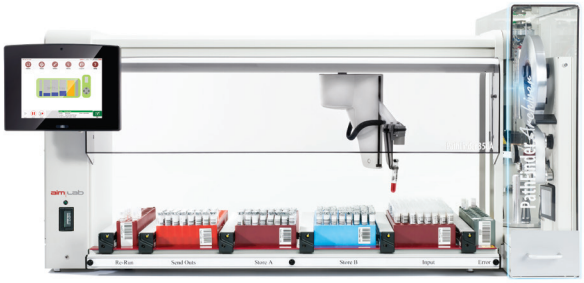
Interchangeable deck layouts

## Key Benefits

- Automatically seals and stores tubes in one step
- Archives samples in low cost storage racks
- Eliminates RSI injuries from manually capping tubes
- Prevents samples being sent to storage prematurely
- Eliminates manual handling errors
- Reduces biohazard exposure
- Low cap costs compared to other alternatives
- Optimizes storage requirements by sorting to different storage racks

# Different System Options

In its Standard configuration, the PathFinder™ 350A can process a mix of 12mm and 16mm diameter specimen tubes storing them into racks that hold 50 tubes. If the diameter of the tubes processed is restricted to 12-13mm, a High Capacity version of the PathFinder™ 350A Archiver is available, specifically designed to accommodate storage racks holding up to 128 tubes.

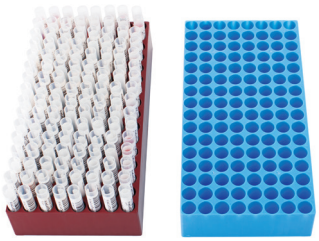


High Capacity Version of the PathFinder™ 350A Archiver

## Storage Racks

The PathFinder™ sample racks have been designed specifically for use on PathFinder™ automation systems and to provide a high density of samples in a small footprint. They are available in a range of different colors for easy identification. Sample well positions are indexed for easy tube retrieval.

They present a low cost and space efficient solution for managing samples, particularly for storage.



PathFinder™ PF128 storage racks

PathFinder™ PF50 storage racks

## PathFinder™ 350A Archiver Specifications

### Throughput
- Up to 350 tubes per hour

### On-Board Cap Capacity
- 15,000 seals/roll

### Tube Dimensions
Standard Version:
- Diameter: 12 - 16mm
- Height: 63 - 105mm (uncapped), up to 120mm (capped)

High Capacity Version:
- Diameter: 12 - 13mm
- Height: 63 - 105mm (capped or uncapped)

### Rack Types
- PathFinder™ racks - 20, 50, or 128 well sample racks, available in different colors
- Choice of rack adapters for loading different analyzer racks

### LIS Interface
- CLSI/NCCLS LIS1-A (ASTM1381-95) and LIS2-A (ASTM1394-97), bi-directional (TCP/IP or File Transfer)

### Dimensions
- 115cm (45”) L x 47cm (19”) W x 56cm (22”) H

### Combined Weight
- 50kg (Sorter module, capper module, specimen tray)

### Power Supply
- 100 - 240VAC, 47 - 63Hz, 280W, 24VDC output

### Operating Temperature Range
- 10°C - 35°C (50°F - 95°F)

### Utilities Required
- Power
- Network Point
- Compressed Air

### Certification
- Designed and manufactured in accordance with ISO13485
- Meets 2014/30/EU,2014/35/EU, REACH, RoHS.

### Compressed Air Supply
- 6 bar, oil free, filtered

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