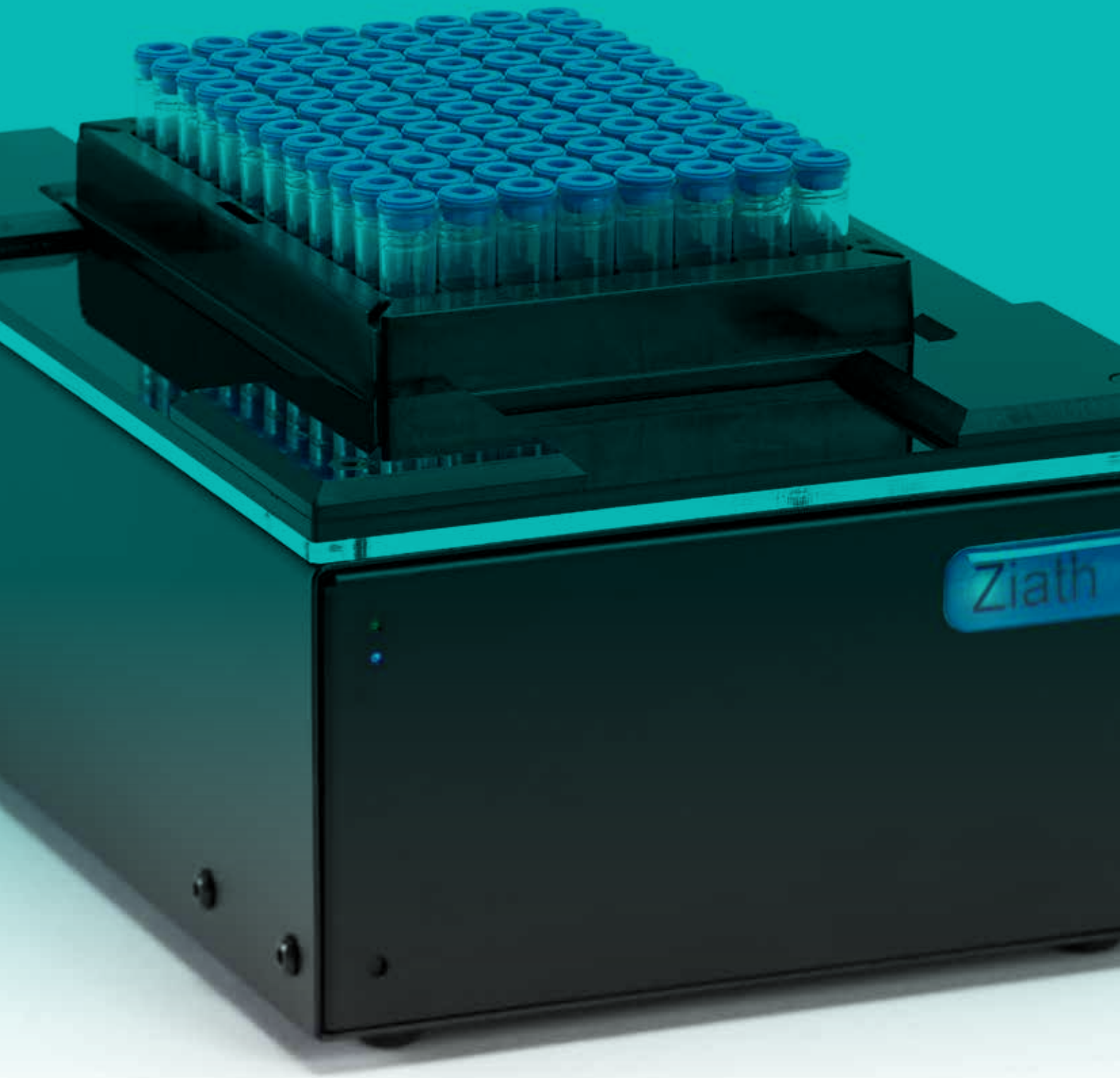
Ziath

INNOVATIVE SOLUTIONS FOR SAMPLE TRACKING AND MANAGEMENT



ziath.com

ABOUT US

We have direct experience at the bench, understanding the applications and challenges faced by our users. This enables us to deliver an unrivalled service to our customers. No matter what your needs, you can rely on us to provide trustworthy solutions to help you manage your samples.

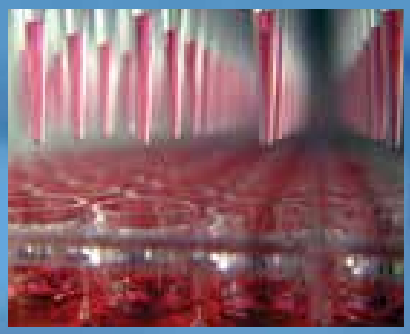
We work with a range of people from different backgrounds and industries who all rely on large sample and compound libraries to drive their work.

Here at Ziath, we combine industry expertise with advanced technologies to deliver bespoke solutions and unparalleled technical support to ensure our customers can spend more time on their research and less worrying about the location of their samples.

WHO WE SUPPORT

Academia

We offer bespoke sample management solutions and comprehensive technical guidance to academic institutions.



Biotech

We understand the challenges involved in developing new and innovative procedures. Our robust and flexible solutions are fully customisable, reliable and scalable.

Pharma

Our high-quality instruments offer efficient sample tracking for busy pipelines and are designed to easily integrate into existing systems and workflows.

OUR 2D BARCODE SCANNERS

Camera-based scanners

EXPRESS:

The Express is a compact camera scanner that reads all SBS formatted 2D barcoded racks and tubes, with a really fast image capture time. The Express is the smallest scanner on the market and since it's only slightly larger than the SBS rack itself, it's ideal for robotic integration.

CUBE:

The Cube is a fast camera scanner with a unique cuboid design that can scan and decode all rack types currently available on the market. This high speed scanner utilises a dual camera set-up and can decode a 96-tube rack in 1-2 seconds on a normal computer. A robust build and minimal cabling make it great for both benchtop and integrated applications.

MIRAGE:

Our latest 2D barcode rack scanner, the Mirage, was designed around two main criteria – low profile and low cost. With both achieved, the Mirage can be used for both desktop and automation applications and comes at a price normally associated with older document scanner-based instruments. It can scan all commonly used SBS format racks at the speed you would expect from a camera-based instrument.

Designed for speed

HIGH SPEED:

The High Speed is a fast and cost effective scanner, which will scan a complete rack in just five seconds. This scanner is very easy to set up and seamlessly integrates into robotic platforms.

Multi-purpose

MULTIRACK:

The MultiRack is a flexible scanner that can scan up to four racks at once. It can scan both SBS and cryobox formats and has a choice of five different masks, enabling users to scan almost any combination of racks.

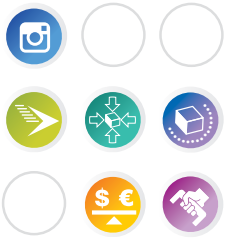
CAMERA | LOW COST | AUTOMATION FRIENDLY | LARGE DEPTH OF FOCUS | FAST | MULTIPLE RACK TYPES | COMPACT SIZE | NO MOVING PARTS | PORTABLE

OUR 2D BARCODE SCANNERS

Single tube scanner

SINGLE TUBE:

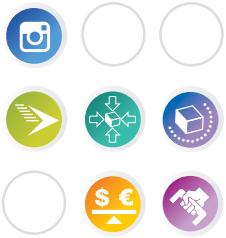
Designed with ease-of-use in mind, this scanner rapidly reads single tubes in less than one second per tube. The single tube scanner is very easy to configure, and the 'keyboard wedge' functionality enables users to enter barcode data directly into their application software. This scanner is very robust, and the mineral glass scanning window is scratch-resistant.



Handheld scanner

HANDHELD:

The first truly portable scanner on the market that allows sample management on the move. The Handheld incorporates a lightweight build and intuitive interface that's easy to use. It has five operating modes; simple tube scanning, scan and display data, picklist operations, edit data/add new sample, and the optional 'Scripts', which enables wireless access to your database. Users can also define unique applications for the Handheld and our programmers will convert these into reality.



Scanner options

CRYOPROTECTION:

Our unique coating prevents scanning windows from fogging up when a cold rack is used on a warm instrument. We do not use heat or blown air to avoid any risk of thawing your precious samples.

1D RACK BARCODE READER:

All of our rack scanners can be fitted with a 1D scanner to read the linear barcode on the side of the rack. This is usually recorded with the 2D codes from the tubes that it contains to ensure accurate sample tracking.

AUTO-SCAN:

Our software includes the capability to automatically start a scan whenever a rack is placed onto the scanning window. This feature is available on all our instruments.

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OUR TUBES AND TUBE PICKERS

Tubes

CRYZOTRAQ:

Cryo-tubes and boxes are available in 2 mL and 5 mL volumes. The advanced cap design provides excellent leak resistance without the use of 'o' rings and is available in both internal and external threads. The CryzoTraq range can be stored at temperatures as low as -196 ºC, but can also withstand temperatures as high as 125 ºC so you can sterilise tubes in an autoclave. The cryogenic boxes are available in 48 (SBS format), 81 or 100 tube format and the larger sizes are compatible with the racks used in liquid nitrogen-based storage systems.

Tube pickers

MOHAWK:

A semi-automated tube picker that provides rapid collection of individual samples from multiple storage racks (SBS 96-well format). The integrated 1D barcode reader can be used to identify individual racks and the system's software then uses this ID to look up a pre-defined picklist. Individual tubes on the picklist are then selected from the rack by pins that elevate only these specific tubes, enabling easy selection. Your picklist can even include tubes that are contained in multiple racks. The Mohawk can also be used in a simple selection mode, where you can manually select which tubes are required by clicking on an image on the computer display.

TUBE PICKER:

Our manual pickers are available for both cryotubes and SBS tubes and allow easy one-handed removal of tubes from racks, minimising heat transfer and reducing the risk of cross contamination.

SAMPLES - INNOVATIVE SOFTWARE SOLUTION FOR SAMPLE TRACKING

Our goal is to ensure you know the whereabouts of your samples at all times. Our software solution, ***Samples***, enables us to do this by seamlessly integrating with all of our 2D datamatrix barcode scanners, allowing you to quickly locate your samples.

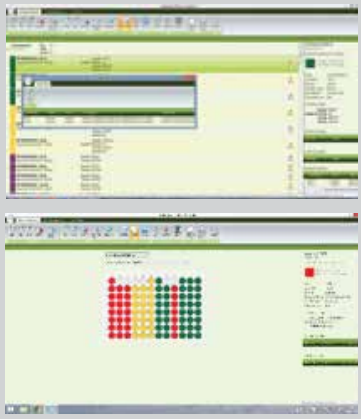
Samples effortlessly fits into your workflow and can be customised to meet your requirements. Simply install the software and either import or enter in the required information about your samples. We understand that each lab is different and that's why ***Samples*** allows you to add custom tracking tags in a variety of different formats to ensure the information is stored in a way that's meaningful for you. ***Samples*** is fully scalable and can be operated by a single user or be used on multiple computers across a network, allowing for easy data collaboration.

If ***Samples*** does not include a specific feature that you need, we have the capability of adding this functionality. We have a number of installations that have been customised to ensure that end users can do exactly what they want with the software, rather than make a compromise with a package that cannot be changed.

Finding your individual samples is made easy by the multi-parameter search feature. Specify the sample characteristics that you are looking for and ***Samples*** will locate and report any that match and, if needed, the results can then be exported in a format suitable for downstream processing.

1. Configure your system – add users and sample characteristics (tracking tags)

2. Add data by importing or scanning racks



3. Change the way the data is displayed. Edit data to reflect recent changes to your samples

4. Search your data using single or multiple parameters. Export data for further processing

TAKE THE STRESS OUT OF MANAGING YOUR SAMPLES. LEAVE IT TO US

PROVEN SOLUTIONS

Our robust and reliable products are designed to integrate into existing workflows and are primed for automation.

FOCUSED ON YOU

We pride ourselves on providing high-level technical support to ensure that our customers' sample tracking processes run smoothly and efficiently.

A DRIVER OF INNOVATION

Our commitment to the development of innovative products allows us to provide a truly bespoke experience for each customer.

ADVANCED, FLEXIBLE TECHNOLOGY

We can provide scanners to read every available rack and box format on the market with speed and accuracy.

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