

"For the last fourteen years we have successfully operated Meditrax tracking and traceability systems, including many of the latest updates to Traybax. As a 'proven' accurate and user friendly system, it was an easy decision to continue with Meditrax"

Mrs Morag Muir, Sterile Service Manager Ayrshire Central Hospital 2011

New state-of-the-art CDU at A

2011 saw the successful opening of a brand new, multi-million pound Central Decontamination Unit (CDU) at Ayrshire Central Hospital. The highly impressive, state-of-the-art facility, one of the most advanced in Europe, was designed from scratch by a specialist team that included two of the most respected Sterile Services professionals in the NHS, Morag Muir and Louise Redpath. It will provide patients and clinicians throughout Ayrshire and Arran with one of the NHS's most modern and cost-effective decontamination services.

The new CDU will service all operating theatres, wards, departments and outpatient clinics together with the Ayrshire Maternity Unit and Community midwifery services, Family Planning and Well Woman services, GPs and school dental services as well as healthcare providers working in the private sector.

Supported by Meditrax advanced tracking and monitoring systems to ensure complete instrument traceability, the new

CDU expects to deal with nearly three million single surgical instruments and medical devices over the next year.

Meditrax is extremely proud that, with over fourteen years' proven service to the former Theatre Service Supply Unit, their advanced traceability systems were, once again, selected for the new unit.





Ayrshire Central



Traybax

Fully integrated SSD management system incorporating full electronic tracking and traceability of surgical instruments

A distinguished record

The new generation Traybax follows intensive, research and development programme spearheaded by some of the world's most experienced healthcare IT engineers. It represents the culmination of more than 20 years' continuous development of the stable and comprehensive Traybax system.

For further information on the new Traybax, or for a FREE consultation, please call our Customer Support Team on 01454 318373, or email us at enquiries@altrax.co.uk



Morag Muir and Louise Redpath, Sterile Service Managers at Ayrshire Central Hospital



NHS
Greater Glasgow
and Clyde

Glasgow

A Centre of Excellence



The pioneering work begun at the Glasgow Royal Infirmary by Joseph Lister back in the mid-nineteenth century continues in the twenty-first. The NHS Greater Glasgow and Clyde Health Board - the largest of its kind in the UK - not only covers a huge geographical area but provides specialist regional services to more than half of Scotland's population.

For example, the GGHB is at the forefront of endoscopy decontamination in the country and, by the end of 2012, a total of eight separate Endoscopy Decontamination Units, employing over a hundred trained personnel including those at the Glasgow Royal Infirmary, will be using Scantrack's advanced Track and Traceability system to successfully reprocess over 100,000 scopes per annum. One of the main benefits of this challenging task will be to reduce waiting times from 16 weeks to 2 weeks.

left: Glasgow Royal Infirmary



Scantrack EMS

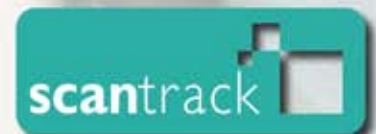
Endoscope Management System

Effective decontamination of flexible endoscopes is critical in the management of healthcare acquired infection and patient safety. It is essential that practices and processes applied to the reprocessing of flexible endoscopes are of the highest quality, reflecting current standards.

Scantrack Endoscopy provides an Endoscopy Department with a cost-effective, fully integrated system for the tracking and tracing of flexible endoscopes.

Key Features

- Full visibility and traceability of endoscopes through the sterile services department
- Reduces the potential for clinical risk and maximises efficiency
- Configurable rules provide compliance to specified processes, and direct operators through the correct procedures to ensure repeatability and accountability, whilst maximising productivity
- Patient association linking endoscopes to patients to provide accurate compliant data
- The solution will help deliver process efficiencies, allowing increased income generation to be delivered for the hospital
- Detailed comprehensive reporting tools and exception reports are integrated into the system. These reports include endoscope processing history, individual operator activities which help to indicate efficiency, elapsed storage period, location of all scopes within the hospital and look-back reports linking endoscope to procedure, patient and process.



How do we do it?

To learn more about Scantrack EMS please call us on

+ 44 (0) 1454 320580 or

email us on info@scantrack.com



Chiptrax[®] rfid

the way forward

Chiptrax is designed to deliver high-speed, accurate tracking of healthcare items using electronic tags. RFID (Radio Frequency Identification) technology uses radio waves to instantaneously transfer data from slimline electronic tags attached to single items - for example a blood bag - and allows data from hundreds of such bags to be read with total accuracy within a matter of seconds.

RFID (Radio Frequency Identification) uses radio waves to transmit information about a product or person for identification and tracking purposes.



RFID | improves patient safety

Created specifically for the healthcare sector, the unique characteristics of **Chiptrax** technology have a wide variety of patient safety benefits for any department involved with the tracking and traceability of single surgical items. This includes orthopaedic and trauma parts, dental implants, pathology samples and blood bags.

RFID | dramatic cost savings

At a time when budgets are under increased scrutiny, **Chiptrax** technology will provide departments with valuable cost savings through a dramatic reduction in the administrative burden.

RFID | speed and ability

Developed with Magellan's ground-breaking PJM technology, **Chiptrax** has the ability to identify, record and trace many hundreds of RFID tags attached to surgical items with a single pass, regardless of how those items are packed.

Even where products are tightly packed in bulk, overlapping, or in any 3D orientation, the system can quickly identify each item with complete accuracy at speeds of up to 800 tags per second. Unlike other RFID systems, or barcodes which must be manually scanned, **Chiptrax** tags have the unique ability to be read in bulk, in 3D, and without line of sight.

PJM RFID | how does it work?

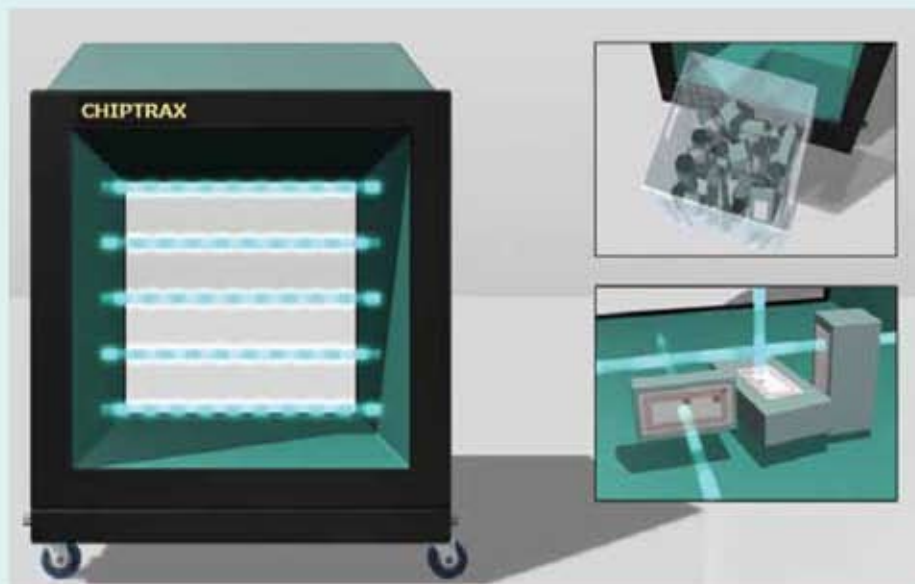
PJM RFID stands for Phase Jitter Modulation Radio Frequency Identification. It uses safe high frequency (HF) 13.56Mhz radio waves to instantaneously transfer data from electronic tags attached to surgical items into advanced tracking software. PJM RFID is the recommended technology of choice within the healthcare industry, is more robust and at least 10 times faster than other RFID systems, and has been adopted as the internationally recognised standard ISO/IEC 18000-3 Mode 2.



RFID portable reader

RFID chip tags come in all shapes and sizes





The Chiptrax tunnel reader uniquely reads in 3D at speeds up to 800 tags per second



hospital applications

medical implant kit tracking

THE CHALLENGE | time management

The management and audit of orthopaedic, dental and other kits is a time-consuming task for both CSSD and theatre staff, especially within loan kits. Currently staff have to check each item in the kit manually to ensure that the ordered components are all present and correct. Incomplete kits lead to procedural delays and the logistical challenges of last minute procurement of missing items.

Staff expend valuable time keeping track of all items consumed in theatre and, in the case of loan kits, ensuring that all the unused implants are sent back to the correct supplier. Unused items which are not returned, or returned in an incorrect kit, result in administrative headaches and unnecessary financial implications.

The Chiptrax 3D tunnel reader in action



HOW IT WORKS | the steps for success



1 Theatres (or suppliers) send an electronic advanced requirements list to the hospital SSD stores, which is then uploaded to the software system.

2 Upon receipt of the kit (or loan kit), each tub is passed through a tunnel reader. All tagged sterile implants are instantly read and verified against the theatre's (supplier's) requirement list.



6 This is checked against the consumption list to ensure only consumed items are missing from the tub. The kit is ready to be returned to the CSSD or the supplier.



3 After surgery items are marked as used, either manually or using the optional compact desktop reader in theatre.



5 The software instantly identifies what is present and what is missing.



4 The kits are packed and passed through the tunnel reader again.

THE SOLUTION | Chiptrax® rfid

Chiptrax PIMS (PJM Implant Management System) is a RFID logistics tracking system for sterile implants. By utilising 100% accurate RFID tags, the system offers significant time savings to hospital staff in both pre- and post-procedure, thus freeing up valuable resources. In addition, for loan kits, the system allows hospitals to harness the advantage of the major global implant suppliers who are in the process of enabling their products with RFID tags.



hospital applications

blood tracking and traceability

Chiptrax rfid offers an unrivalled solution for the real-time tracking and traceability of blood products, either as individual units or packed en-masse. The system will track from donation to final usage with instant data retrieval, and can be easily retrofitted into existing refrigeration and storage units.



Chiptrax | HOW RFID BENEFITS BLOOD TRANSFUSION MEDICINE



INCREASED PATIENT SAFETY:

- High level automated verification reduces potential for handling errors
- Ensures recipients receive the right unit, every time

COMPLETE AUDIT TRAIL OF TRANSFUSION UNITS:

- Provides an automatic audit trail of blood units as they move from the central distribution centre to the laboratory and remote fridges, and eventually to the recipient
- No manual counting and verification required

INCREASED EFFICIENCY OF THE SUPPLY CHAIN:

- Know where blood units are at each stage of the supply chain
- Alerts issued when stock is due to expire, or when it has been out of a controlled environment for too long



Chiptrax | RFID STORAGE SHELVING

Designed to eliminate errors in inventory management procedures, the **Chiptrax** shelves are suitable for a wide range of inventory tracking applications, including orthopaedic implants, dental implants, blood bags, pharmaceuticals and reagents. They can be used in dry storage cupboards and drawers, and being moisture resistant are also suitable for refrigerated environments.



inventory tracking

Chiptrax | RFID IMPLANT STORAGE CABINET

Chiptrax cabinet storage systems feature Magellan technology to provide countless options for implant storage, with secure access control. Custom shelving with embedded antennas and 3D read capabilities offer real-time inventory management, allowing you to know exactly what you have and where it is, regardless of the alignment in which it is stored.



Custom storage shelving with embedded antennas and 3D-read capabilities offer real-time inventory management



Chiptrax | REAGENT INVENTORY TRACKING

Reagents are highly valuable assets and misplacement, or poor product rotation, can lead to costly waste through increased volumes of date expired stock. A simple Chiptrax rfid solution can audit a department's entire reagent inventory within seconds, quickly highlighting product rotation details and stock level warnings.

pathology tracking and traceability

Chiptrax | TRACKING SAMPLES THROUGHOUT THE LABORATORY

With **Chiptrax** it is simple to track samples from collection all the way through the laboratory to final. In addition to tracking the sample, the information written to the RFID tag, such as the patient demographics and collection data, can be used to ensure positive patient ID throughout the laboratory processing.



Easy to use in
conjunction with
Chiptrax label
printers

RFID Demonstration Suite opens in Bristol

A fully equipped RFID suite to illustrate the advantages of **Chiptrax** and RFID technology has opened at the Altrax Technology Centre in Bristol. This is the first showcase unit of its kind in the United Kingdom and presents a unique opportunity to learn more about the benefits of RFID at first hand.



If you would like to arrange a no obligation visit to include a free presentation by one of our RFID specialist advisors please contact the Altrax Customer Care Team on 01454 318373 or email us at enquiries@altrax.co.uk

We look forward to seeing you.

FREE!

The new 2012 Instrumark brochure is now available. Simply email us at enquiries@instrumark.co.uk to order your copy



Instrumark

An Altrax Group Company



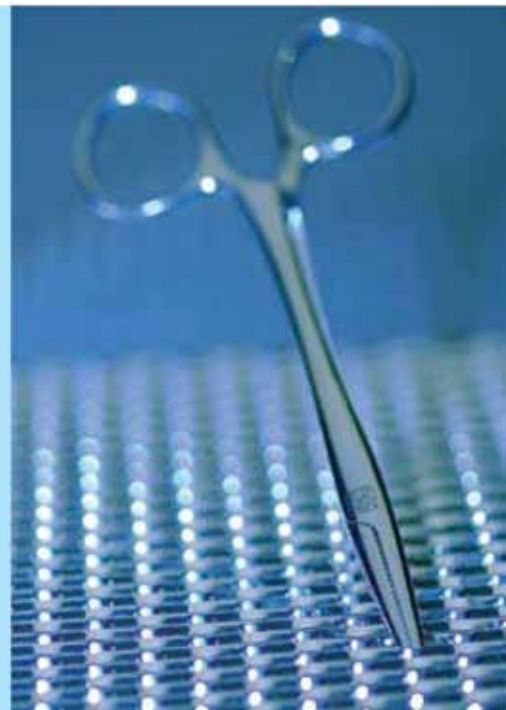
Single Instrumark

The identification of single surgical instruments using unique laser marking

Single Instrument Traceability

Compliance with IPG196, HSC2000/032 & DOH AIDC recommendations

To learn more about Instrumark's instrument laser marking solutions, or to arrange a FREE demonstration, please call our Customer Support Team on +44 (0) 1454 318373 or email us on enquiries@instrumark.co.uk





Almost any size instrument can be marked

Single instruments occur in a wide variety of shapes and sizes, especially in ophthalmology and paediatrics where uniquely delicate instruments are in common use. The laser technology within the Instrumark system enables almost any

size instrument to be marked, including tiny elongated rectangular marks for ultra-slim instruments and the miniature marks needed, for instance, on ophthalmological and paediatric instruments.



Even tiny, ultra-slim instruments can be successfully marked

InsTrax 'TOUCH SCREEN'

Hardware and software package

For the quickest validation of instrument sets, our 'Touch Screen' technology package allows for the ultimate in operator simplicity.

ent Marking

urgical ser technology



Key features

- Surgical instruments can easily be incorporated within TrayBax® (Meditrax), IMS® (Scantrack), or other decontamination or instrument management software systems
- The first instrument marking system in the UK to be awarded accreditation as a GS1-UK Certified Solution
- The fastest, most accurate, secure and fully compliant single instrument marking system in the world
- SAFE, INEXPENSIVE and SIMPLE to use
- Almost any instrument surface can be marked with total CONSISTENCY
- Can be used with GS1 codes, or in conjunction with other unique codes

www.instrumark.co.uk

Altrax Labelling Solutions for healthcare

Like them or not, hospitals depend on labels. Without them we would have no idea what a pack contains, how it is to be used, what it's made from, where it came from, what it does or doesn't do, is it dangerous - the list is endless. Even the most basic label can hold information that could be critical.

Labels deliver instructions, components, directions, dangers and usage, as well as recording data on conformity and compliance including the most commonly requested information, name of manufacturer, date of manufacture, expiry dates, methods of sterilisation, Lot numbers and Cycle numbers.

With over thirty years' experience Altrax understands what is needed when it comes to producing labels for sterile packaging, and to ensure that they conform to the latest guidelines.

Many of the labelling systems and operational procedures used within sterile services were developed by Altrax in consultation with highly experienced SSD personnel. We have in-depth knowledge of the specialised materials required for sterilisation such as steam, chemical, gas plasma and ethylene oxide.

Altrax Medical Labels



- Competitively priced
- Fit for Purpose
- Suitable for ALL purposes
- Huge choice
- Wide range of colour options
- Bespoke solutions – just ask!

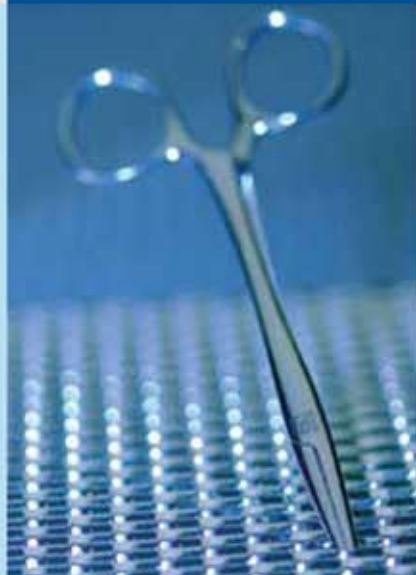
The Altrax Group also supply a range of high quality printers, scanners and label applicators, together with thermal transfer ribbons and bar-code tape.

If you would like to discuss your department's label requirements please call our Customer Support Team on 01454 318373, or email us at enquiries@altrax.co.uk



Altrax Group

Innovators in Traceability



Traybax

Integrated SSD Management System

Total process management solution
incorporating full electronic tracking and
traceability of surgical instruments

inside trax

from the Altrax Group Ltd



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