SafMed

Track, Trace & Instrument Management Solutions

Digital Surgical Instrument & Set Management System

Manual Track & Trace System

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TRACK, TRACE & INSTRUMENT MANAGEMENT SOLUTIONS

Advanced Digital Track and Trace System

Cloud Based Digital Track & Trace System
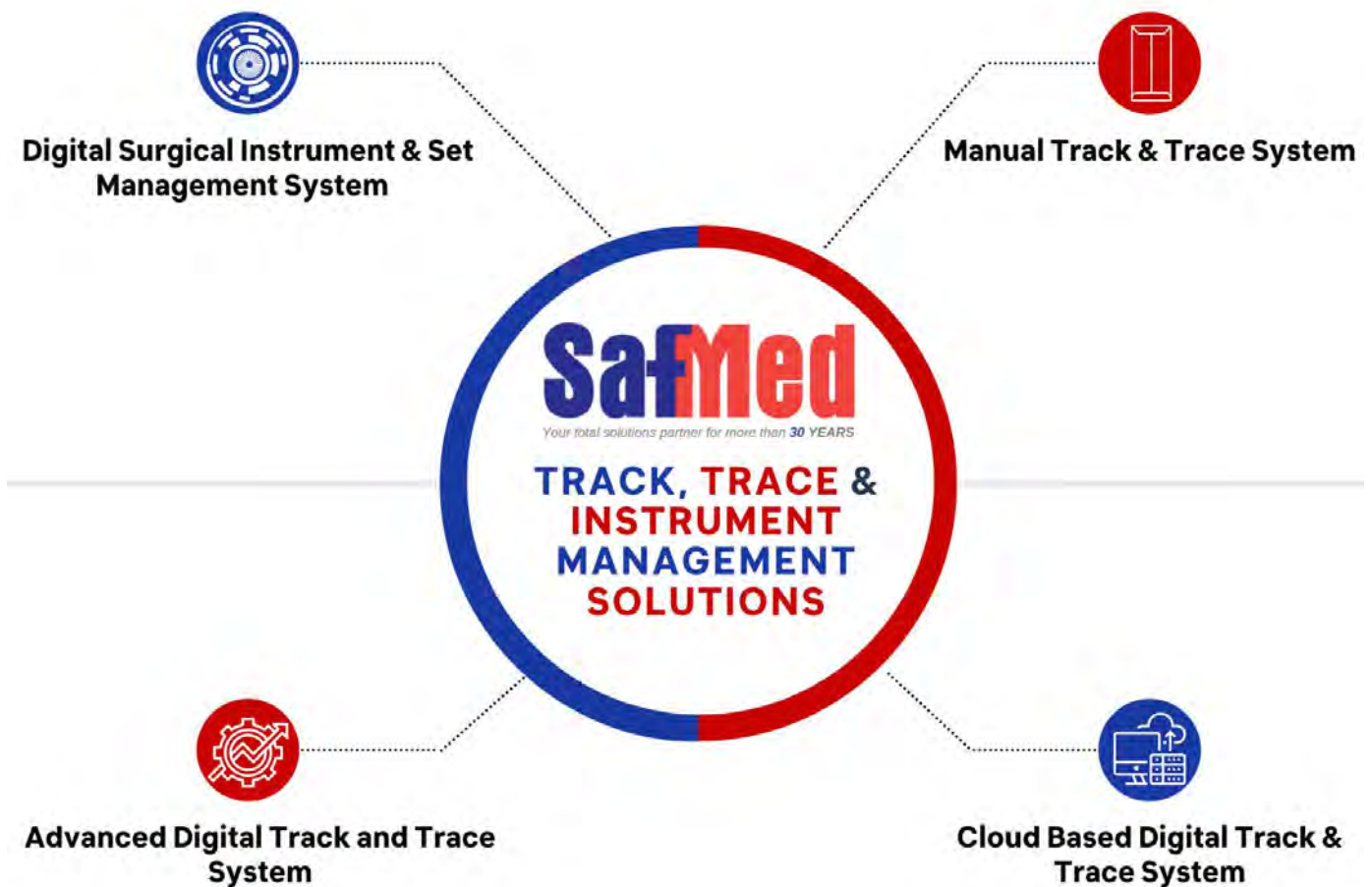
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We specialise in providing solutions and products that improve the productivity and effectiveness in the CSSD, Operating Theatre & Endoscopy Unit.

From expert advice on new theatre or CSSD designs to providing the latest digital operating theatre and instrument tracking technology, we have the products and experience to offer meaningful value to our customers.

Process Improvement

Track, Trace & Asset Management

Digital Theatre Systems

CSSD & Operating Theatre Design Advice

SafMed EDUCATION — Online & Classroom Based Education

CSSD & Operating Theatre Design Advice

SafMed EDUCATION — Online & Classroom Based Education

Sterility Assurance

Decontamination

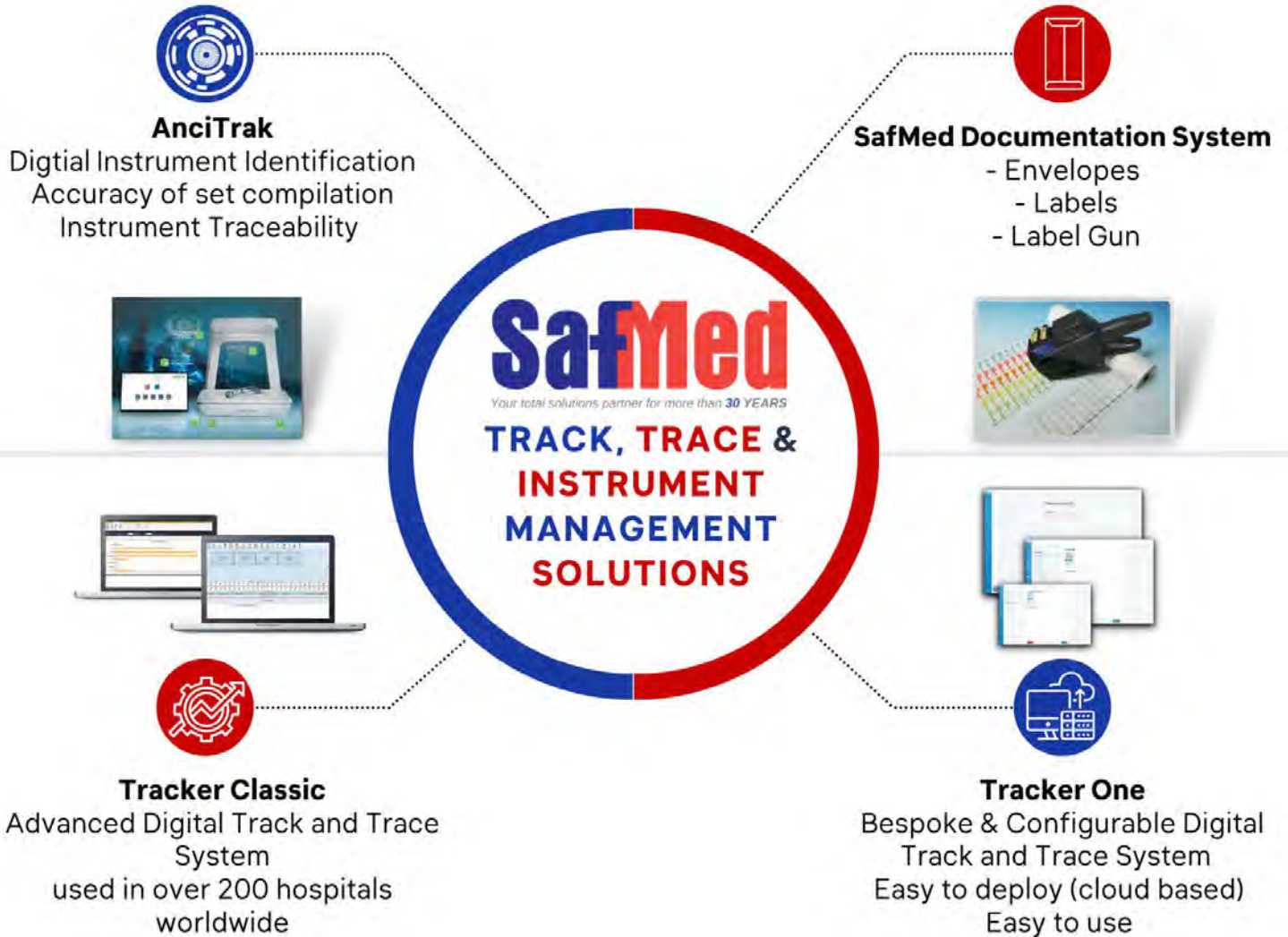**Customized Service Programs**

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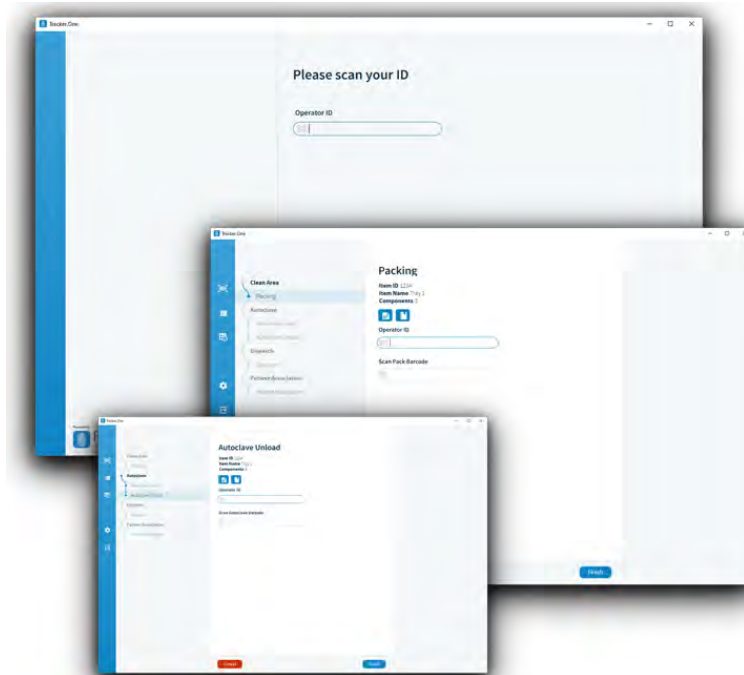
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AnciTrak
Digtial Instrument Identification
Accuracy of set compilation
Instrument Traceability

SafMed Documentation System
- Envelopes
- Labels
- Label Gun

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TRACK, TRACE & INSTRUMENT MANAGEMENT SOLUTIONS

Tracker Classic
Advanced Digital Track and Trace System
used in over 200 hospitals worldwide

Tracker One
Bespoke & Configurable Digital Track and Trace System
Easy to deploy (cloud based)
Easy to use

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SafMed Tracker One

This cloud-based system is powered by FingerPrint Medical in collaboration with SafMed and has been designed for use in the South African market.

Fingerprint Tracker One can be used to effectively and efficiently record, track and trace the decontamination steps performed on medical devices and surgical instruments. Tracker One is configurable and can be used to manage the reprocessing of endoscopes, surgical instruments and other processes as required. Tracker One uses templates designed to meet your requirements, capturing any process flow.

Features:

- Provides traceability from product to patient.
- Prints labels for tracking and tracing purposes.
- Provides scanning of labels and barcodes.
- Prints instrument tray check lists.
- Assists staff to compile instrument trays accurately.
- Gives the ability to view or find instrument trays etc. in their current positions in real time.
- Enhances equipment provisioning.
- Has Web Based Dashboard reporting that:
  - Provides a complete list of all instruments sets and devices.
  - Can identify infrequently used or dormant instrument sets.
  - Facilitates instrument tray management.
  - Provides data on operator workload.
  - Can assist to identify operator training needs.

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SafMed Tracker One

Tracker One is Configurable:

- You can decide what steps of the decontamination process you would like recorded.
- It can be used to record the decontamination process of other devices like flexible endoscopes.

Tracker One User Interface:

- Has independent interfacing allowing the application to run low resolution screens as well as high resolution 4K screens without any text blurring or windows appearing too small on high-resolution screens.
- Uses Windows Presentation Foundation, compatible with Windows 7, 8 and 10.
- Large UI elements to cater for touch screen devices.
- Works on Windows 10 Tablets.
- Simple, non-cluttered interface for easy management of items.
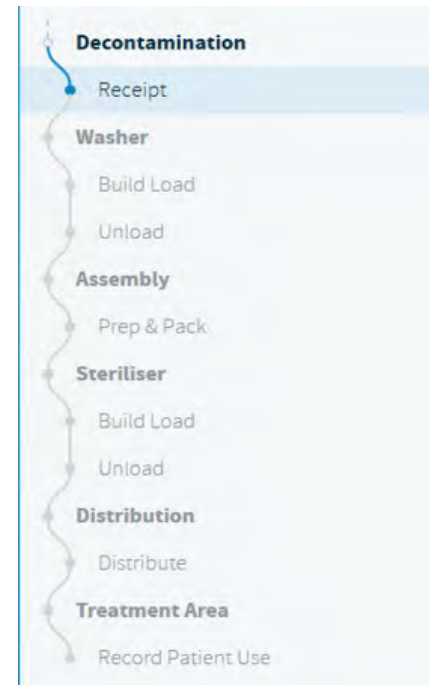
Tracker One is Cloud Based:

- Cloud based management of data and services.
- It can be easily deployed.
- Can be used anywhere in the world.
- Installation and set-up is simple due to the cloud based technology.
- Can be used on various devices including Desktop PC's, tablets, mobile smart devices.

Tracker One is a cost-effective solution:

- Minimal hardware required.
- Minimal IT infrastructure.
- Reduced installation costs.
- Remote technical support.

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Tracker - Track And Trace Software For Central Decontamination Units
Managing The Full Reprocessing Path Of Your Reusable Surgical Devices

Tracker is designed to deliver a best-in-class equipment decontamination management process that ensures:

- ✔ Cost reductions
- ✔ Asset management
- ✔ Enhanced patient safety
- ✔ A reduction in the risk of hospital-acquired infections

We achieve this by providing the real-time insight needed to:

- ✔ Drive continuous improvement
- ✔ Follow Standard Operating Procedures
- ✔ Deliver streamlined performance
- ✔ Identify the need for targeted staff training
- ✔ Provide an audit trail

Tracker is designed to meet the needs of central decontamination units. It guides operators through the complete decontamination process in a methodical and intuitive way. This enables them to follow Standard Operating Procedures (SOPs) to ensure patient safety and a reduction in the risk of hospital-acquired infections.

In addition, **Tracker** ensures that a hospital has complete control of their medical devices and surgical instruments, knowing what assets they have and where they are at all times.

Dispatch · Receipt · Manual Wash · Stores · **Tracker** · Machine Wash · Autoclave · Pack
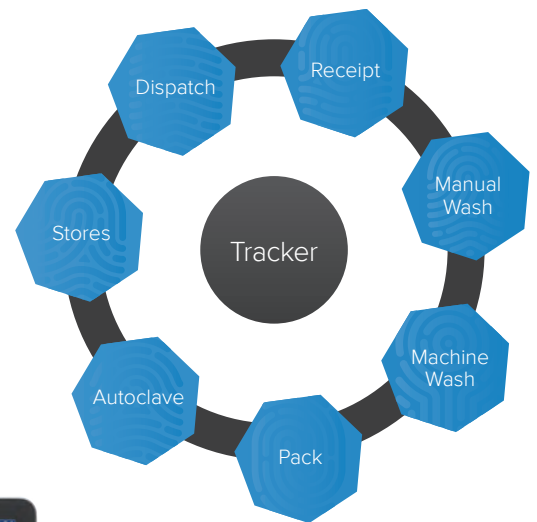
Tracker captures data at all steps in the decontamination process.

Powered By:
FingerPrint Medical
Driving Change Through Data

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Benefits of Tracker include:

Financial

✔ **Delivers a rapid return on investment** through asset management, improved productivity and lowered process costs.

✔ **Enhances equipment provisioning** by being able to identify which equipment needs replacing and which has a useful life.

✔ **Reduces paper usage and carbon footprint** by eliminating the need for paper trails.

Productivity

✔ **Drives continuous improvement in the process** and reduces costs associated with errors in reprocessing and with procedure cancellations or delays due to equipment being unavailable.

✔ **Increases equipment utilisation** by providing complete visibility of where equipment is at any moment in time.

✔ **Integrates with all types of instrument marking technologies to increase automation and reduce cost. Tracker** enables you to gather valuable process and business management data at every stage of the equipment decontamination lifecycle.

✔ **Improves identification of training needs** as real-time visibility of operator performance enables managers to identify if an individual operator needs training at certain steps. This helps deliver improvement quickly and in a way that reinforces a no-blame culture.

✔ **Improves employee productivity** by having instrument images, packing instructions and important tray information on hand.

Patient

✔ **Reduces the risk of hospital-acquired infections** by ensuring equipment is safe to use.

✔ **Cuts the likelihood of cancelled procedures** by increasing the visibility of equipment availability.

Compliance

✔ **Provides full traceability of product to patient**, and patient to product, with real-time reporting.

✔ **Enables adherence to Standard operating procedures.**

Increasing transparency and productivity at every step in the decontamination process

Whether you are a large hospital, a multi-site organisation or a single dental practice, you can be assured that we have the experience, technology and expertise to meet your requirements. **Tracker** covers the whole equipment decontamination lifecycle, from the receipt of dirty returns through to dispatch of fully decontaminated equipment to theatres and treatment rooms. It also provides full patient association and can integrate with a wide range of reprocessing equipment, automates data capture and provides process validation data.

Total visibility for real-time decisions

As a result, **Tracker** helps to streamline entire equipment decontamination processes and underpins your drive for continuous improvement and the achievement of key organisational and patient related KPI's (Key Performance Indicator).

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Features	Tracker Classic	Tracker One
Traceability of Single medical Items	□	□
Traceability of Medical Sets	□	□
Traceability to individual instrument level	□	x
Track equipment lifecycle to patient	□	□
Program (windows) based reporting	□	Limited
Web based reporting	x	□
Customisable Templates (journeys)	x	□
Cloud based installation option	□	□
On site installation option	□	□
Unique user identification	□	□
Capture all steps of reprocessing	□	□
Prevent skipping any process/step	□	□
Configurable Reprocessing journey	□	□
Unique tray identification	□	□
Barcode each tray	□	□
Print tray and pack labels	□	□
Find instrument tray in real time	□	□
Assist with tray assembly	□	□
Improve accuracy of tray assembly	□	□
Images of individual instruments	Yes - Upload / Add to items	x
Images of complete sets/items	Yes -Upload / Add to items	Yes - Limited (Embedded in Word/PDF document)
Identify who packed a tray	□	□
Reduce instrument loss	□	x
Print tray check list	□	□
On screen set checking/packing	□	x
Database of tray inventory	□	
Database of instrument inventory	□	x
Process warning / alerts	□	x
Identify dormant sets	□	□
Identify frequently used sets	□	□
Identify department workload	□	□
Identify operator workload	□	□
Identify equipment workload	□	□
Ability to Fast Track /Prioritise items	□	x
Manage limited use items	□	x
Record Non-conformance/Events	□	□
Message other areas in the system	□	x
Set skill levels for staff and items	□	x
Ability to track specific individual instruments using key dot technology available from SAfmed	□	□

SafMed AnciTrak Surgical Tray Management System

AnciTrak is a traceability and instrument management workstation that helps in surgical tray reassembly by identifying surgical instruments and ensuring the surgical tray is complete. It allows the management of surgical trays assembly at the instrument level by the creation of a complete database of trays and instruments with names, references & HD pictures. This helps operators during the assembly process (HD pictures, physical recognition, localization of instrument into the set) and provides management of the instrumentation & surgical trays within the hospital.

The AnciTrak workstation houses three 4k cameras, a weight sensor and a processor to weigh and take HD pictures of surgical sets and instruments which is then saved into the AnciTrak database. The workstation is placed on the clean side of the CSSD so that surgical trays can be placed on the workstation after cleaning/ disinfection and the AnciTrak algorithm can compare the weight and picture of the tray to the initial data captured to ensure that it has been reassembled correctly and is complete.

SafMed AnciTrak Surgical Tray Management System

Features		Details
Captures Packing step	Yes	AnciTrak is usually located on packing tables, right after the washing of surgical trays. All trays are checked and re-assembled before being packed. ANCITRAK could help in pre-checking of the content before washing the instrument (trial is under progress).
Unique tray identification	Yes	The user can scan the pre-made barcode from tracking software or create one using ANCITRAK: YY/M/D/Numbers. This barcode can be printed out by ANCITRAK using a printer connected to the ANCITRAK system.
Barcode each tray / or use barcode from tracking system	Yes	All labels created are linked to the content of the tray created.
Print tray labels	Yes	
Assist with tray assembly	Yes	The aim of ANCITRAK system is to help CSSD staff to create and re-assembly instrumentation trays/sets accurately. Once a tray has been created, the ANCITRAK system can identify each singe instrument placed on the platform. The system is able to indicate where in the tray each items must be placed.
Improve accuracy of tray assembly	Yes	The EasyIDM® patented technology and the neural network application that ATH Medical facilitates a 3D picture of single instrument. The cameras capture the colour, shape, size, weight (0,5g precision) and the following attributes: · Surface area of the instrument · Ratio (heigh x width) · Boundingbox of the instrument (small rectangle underlining the instrument) · Roundness of the instrument · Perimeters of the instrument · Outline of the instrument (to stick to the thickness and curve of the instrument)
Images of instruments	Yes	ANCITRAK takes the pictures of each instrument and of the completed tray of instruments.
Percentage tray accuracy	Yes	ANCITRAK will indicate after washing if the tray has the same weight than before packing and use on the patient. If the completed tray is not the correct weight, it is an indication that the tray is not compete.
Weigh tray / instrument	Yes	
Identify who packed a tray	Yes	Each person using the system is allocated unique identification.
Identify missing instruments based on weight and shape measurement	Yes	Each instrument can be placed into the platform, if there is one or several instruments missing, the machine will indicate that instruments are missing.
Reduce instrument loss	Yes	The system can quickly identify if instruments are missing so that the process of locating the missing items can be initiated soonest, thereby reducing instrument loss.
Print tray check list	Yes	
Data base of tray inventory	Yes	Each tray created is stored in the ANCITRAK database.
Database of instrument inventory	Yes	Within the tray's check list.
Reports:	Yes	Each time a tray is processed data is saved. A variety of reports can be generated.
Identify dormant sets	Yes	By filtering the data, one can identify sets that are dormant.
Identify frequently used sets	Yes	By filtering the data, one can identify sets that are used frequently.

SafMed Tracking & Documentation System

The SafMed Tracking and Documentation system allows the CSSD and Theatre to trace and record the link between items used on patients and their sterilization process

This system allows users to create a label containing vital sterilization information including:
- Process date
- Expiry date
- Sterilizer used
- Cycle/batch number
- Operator identification

The system consists of:
- **The labelling "gun"**, with duplex tracking labels, enables the user to adjust the dial on the gun to capture/document the date when the items was place in the sterilizer, who the operator was, which sterilizer was used and which cycle of the day it was.
- **The duplex tracking label** containing the information as captured by the end user is attached to the items to be sterilized.
- **TST Load Chec**k which is designed as a process challenge device. If the chemical indictor has passed, the CSSD manager can be assured that the required sterilization parameters were met at that point of the sterilizer, allowing the manager to release the load.
- **Archive Envelopes:** The envelope enables the user to archive all relevant data related to the performance of the sterilize including the results of the Biological Indicator, the Bowie and Dick Test pack and the sterilizer print out.

The label is affixed to the outside of the pack prior to the pack being processed through the sterilizer. After sterilization the chemical indicator should have changed colour. In the operating room the label is removed from the pack prior to opening and affixed in the patient's records (or according to hospital policy). The label is linked to the archive envelope.

SafMed Decontamination Tracking System

A documentation System to Track, Record and Verify Medical Device Decontamination (Cleaning)

In addition to being able to trace and record the link between items used on patients and their sterilization process, this system allows the hospital to trace the link between medical devices used on patients and their cleaning process.

This system allows users to create a label containing vital reprocessing information. The label is affixed to the instrument check list. The check list is then placed inside the cleaned set ready for packaging. (Alternatively the label can be applied to the packing of a single packed instrument). The label is linked to the proof that the instrument washer was working correctly, or linked to information regarding the manual cleaning of that device (who cleaned it and when).

The label is removed from the instrument check list only when the sterile set/pack is opened and used on a patient. The label is then affixed to the patient's perioperative document, linking the patient to the recorded cleaning process.

This additional label is attached next to the sterilization label in the perioperative document, facilitating a more detailed tracking system.

The system consists of the following items:

- **Labelling Gun**
- **Tracking labels:** The duplex tracking label is pre-printed with the term: DECONTAMINATED.
- **STF Load Check:** This device is designed to test the cleaning efficacy of the washer disinfector in accordance with ISO 15883 part 5.
- **Archive Envelopes**

This is an easy to understand, simple to implement, complementary system to enhance your ability to provide evidence of device decontamination.

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SafMed Printex Documentation System

The Printex Label Gun can print 2 print lines and uses labels that are 37x19mm. Each print line can be numercial or alphanumerical. Printex labels for CSSD documentation are made in double adhesive support and with Type 1 process indicators according to EN ISO 11140-1. The labels are produced with indicators for **DECONTAMINATION, STEAM, EO and PLASMA sterilization.**

The following information can be printed on the tracking labels:

- **Sterilization date**
- **Expiry date**
- **Operator**
- **Sterilization cycle number**
- **Batch/Lot number**
- **Product number**
- **Sterilizer code**

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➤ B-BBEE Level 2 Contributor

➤ ISO 13485:2016 Accredited

➤ Member of SAMED

➤ Medical Device Licence Numbers:

- Cape Town - 00000243MD (Manufacture/Distribute)
- Johannesburg - 00000227MD (Manufacture/Distribute)
- Cape Town - 0000680MD (Wholesale)
- Johannesburg - 00000643MD (Wholesale)

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