



AESCULAP Aicon® - The new Aesculap® Sterile Container System

A JUMP AHEAD IN STERILE SUPPLY MANAGEMENT

AGENDA

1. Sterile supply management – what it is all about?
2. How we got to AESCULAP Aicon®
Developing a customer oriented technology
3. What are the main challenges customers have to face?
What are our answers?

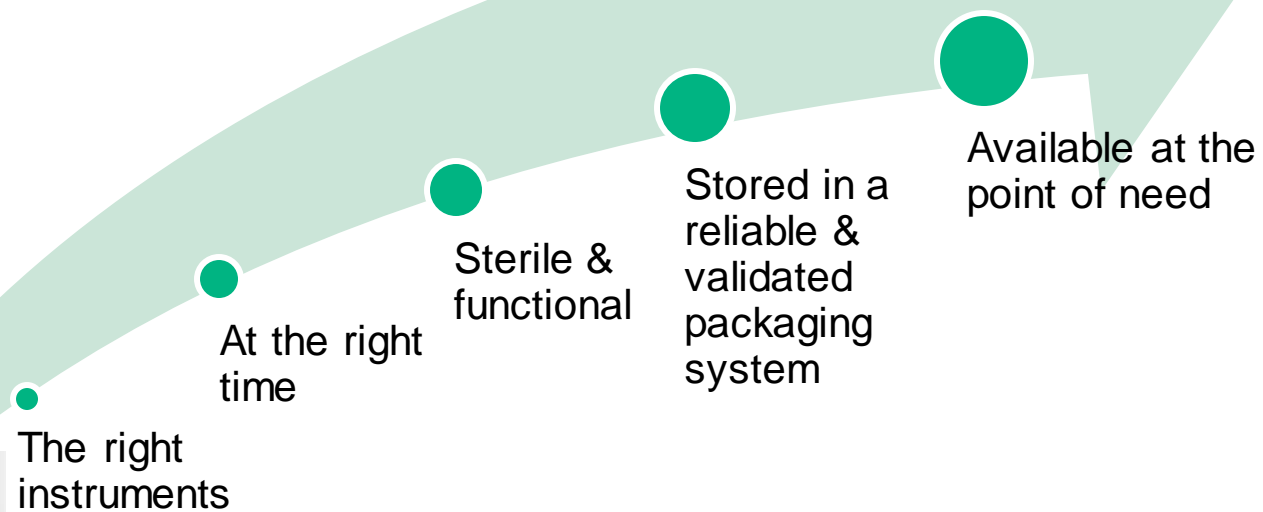


ISO 11607: Definition Of A Sterile Packaging System

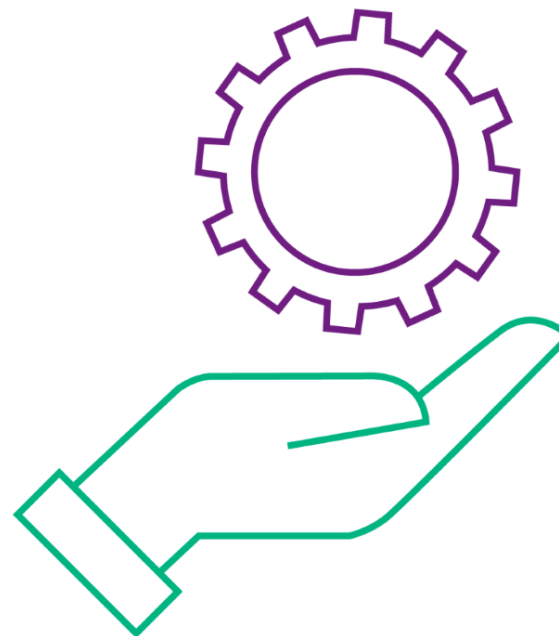
*“The objectives of a sterilised medical device packaging system is to **allow sterilisation**, provide **physical protection**, **maintain sterility** up to the point of use and allow for **aseptic presentation**”*



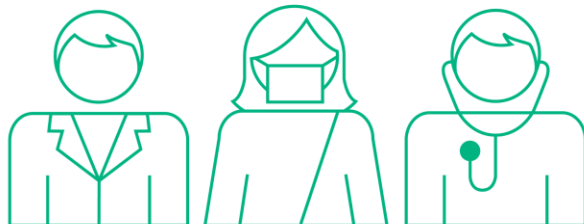
Sterile Supply Management: it is about...



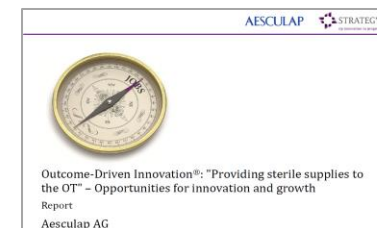
2. Development Process – How We Got To AESCULAP Aicon®



Development Process – How We Got To AESCULAP Aicon®



Market Research – “Jobs to be done”



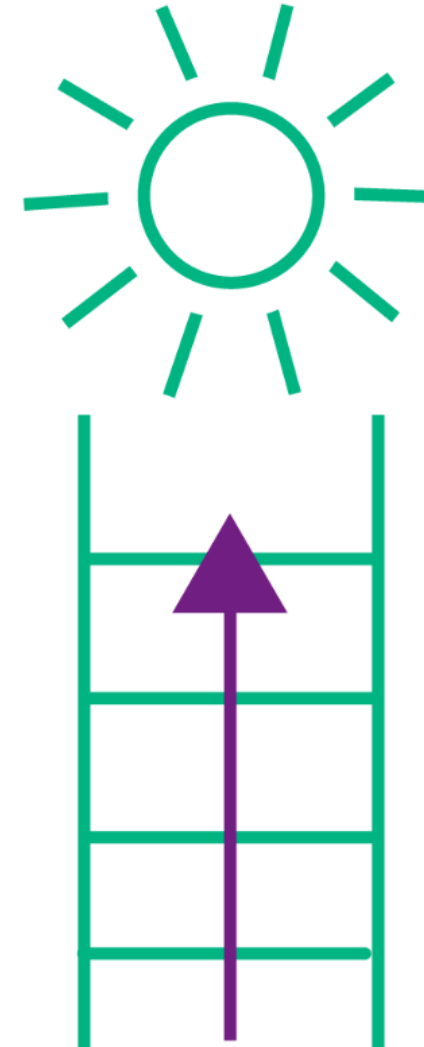
Advisory council meetings

Continuous discussions with KOLs
in Europe and in the United States



Developing User Orientated Technology

- Streamline processes: **Reduce process times** wherever possible (drying time, handling, sterilization, packaging, cleaning)
- Optimize **processes** in the operating room (OR)
- **Improve processes** between OR & Central Sterile Service
- **Logistic processes**: Well organized, delivering safe transportation of sterile and contaminated goods
- **Economic efficiency**: Deliver immediate cost savings compared with traditional disposable wrap



3. What are the main challenges customers have to face?
What are our answers?



Current Challenge

Throughput and pressure to deliver instrument sets on time is a daily challenge.

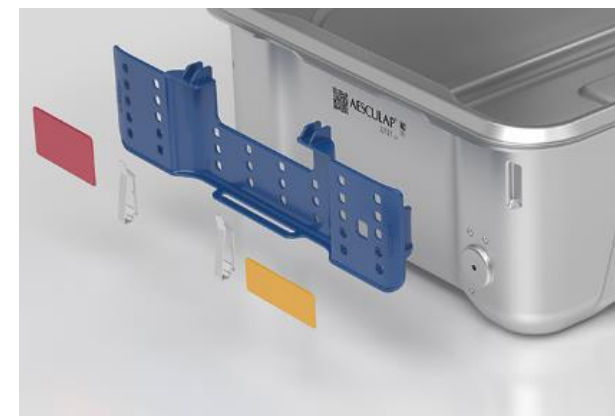
There is a need to **reduce complexity of processes** and to avoid time-consuming steps such as searching for sets or waiting for items coming back from reprocessing.

Documentation of reprocessing is done by different medias and thus the packaging system must offer the respective interfaces.



New Identification System

- **Communication interface:** The new AESCULAP Aicon® can be optionally equipped with click-on face plates in 10 colors together with tags available in 10 colors and 2 sizes, that can be used with both, container and baskets. Additional information can be affixed using the metal brackets as well as the loop.
- In order to **reduce the time** to search for labeled bottom parts, face plates are reprocessed together with the instrument set but combined with the generic container bottom
- Lids and bottoms can be reprocessed independently from the instrument set according to the capacity of the washer/disinfector
- The new AESCULAP Aicon® can also be used without face plates and with production labels only



Current Challenge

Long drying times have impact on processing time. Long dry time impacts on throughput and overall performance of the CSSD.

“Wet sets” are an impediment in the process as they are rejected by the OR.



New Enhanced Drying System (EDS)

- The new AESCULAP Aicon® can optionally include an enhanced drying system that **reduces the drying** time significantly and delivers more consistent sets
- This results in **more production runs per day** and increases the throughput of the CSSD
- Optimizing the set content together with the right container allows **for the best possible dryness with reduced dry time**



Current Challenge

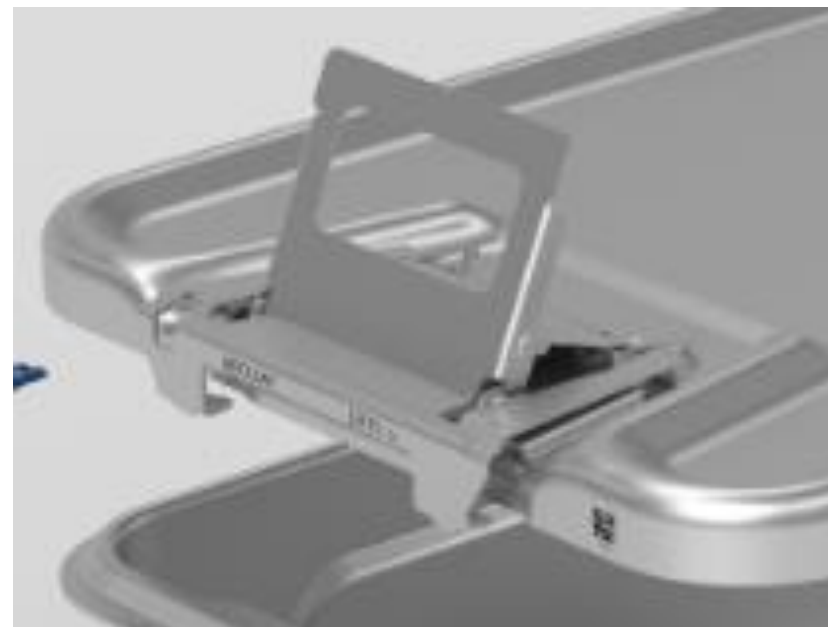
Aseptic presentation in the OR is a daily challenge for OR-nursing staff.

To be able to **quickly** check the integrity of the closing system and the safe opening of the sterile packaging system without contaminating the set content is key.



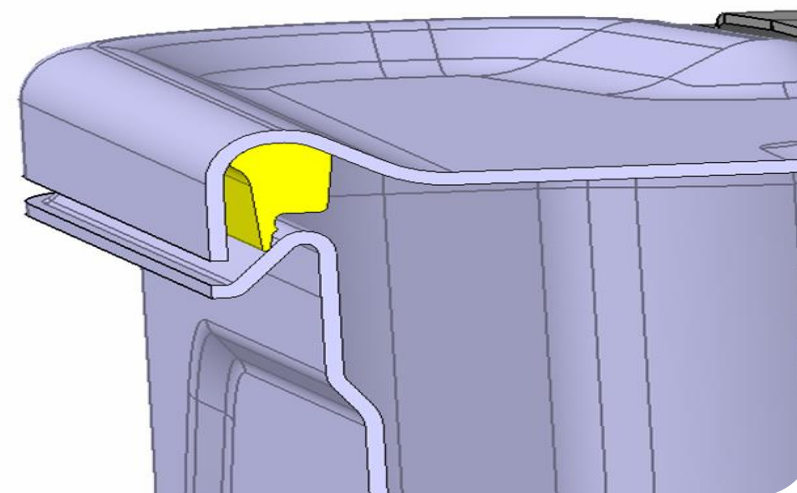
A New Closing System

- The new closing system allows user to open the container from the top: This way, there is **no risk** that the non-sterile nurse will get in contact with the container bottom during aseptic presentation



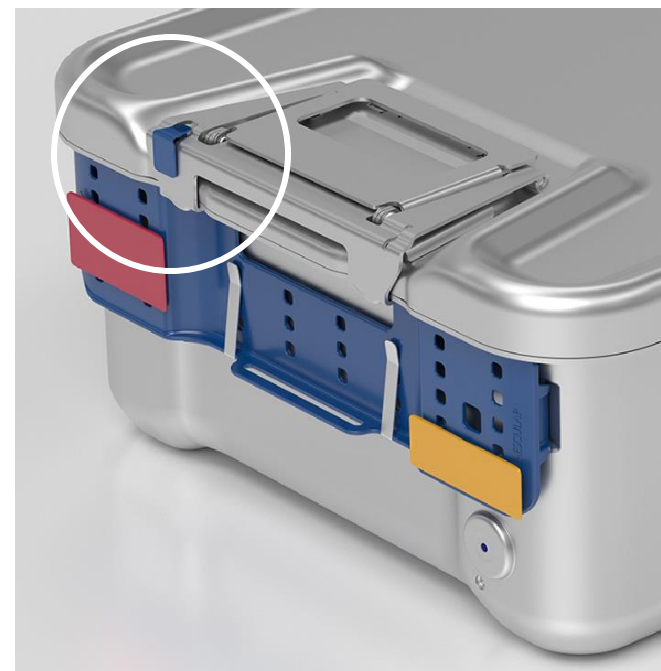
A New Gasket System

- The new gasket and container rim design significantly reduces the potential to contact any unsterile areas of the container during aseptic removal of the instrument baskets



A New Locking Mechanism

- The new AESCULAP Aicon® includes a new tamper-proof lock system which can be inspected from the front (in stocks) and from the top (in the OR by the nurse)
- Not protruding, no small parts that may fall off



Current Challenge

Carrying heavy instrument sets is a challenge for OR and Central Sterile Service staff



A New Ergonomic* Handling Concept

- The new container handle concept allows for a more ergonomic handling and carrying (better control, use of palm and thumbs for better guidance, easy accessibility of rear handle)
- Additional benefit: quiet operation



At a glance:

New locking mechanism

- Inspection from the front and from above
- No protruding parts, no small parts

New gasket and container rim design

- Quick and reliable aseptic presentation



Face plate

- Communication interface
- Allows generic use

Ergonomic handling design

- Ergonomic carrying
- Quiet operation

EDS

- Consistent drying results
- Reduced drying times, faster turnover

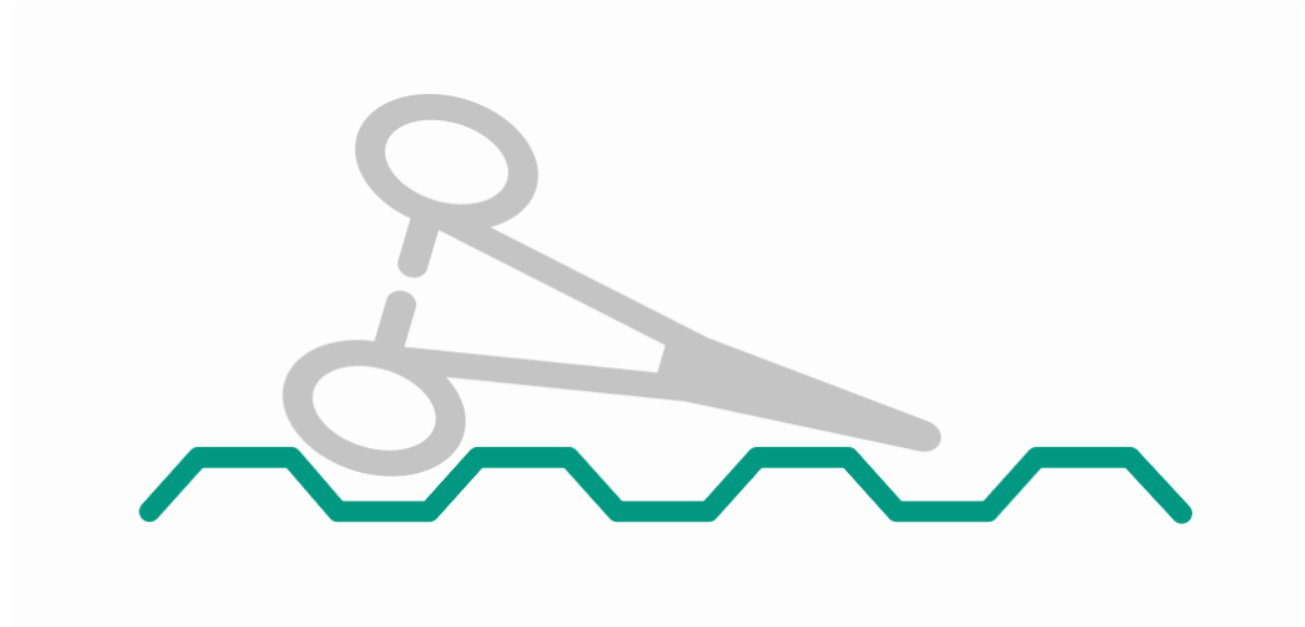
Current Challenge

The packaging process is laborious and time consuming. Instruments that slip away during the packaging process are a pain.



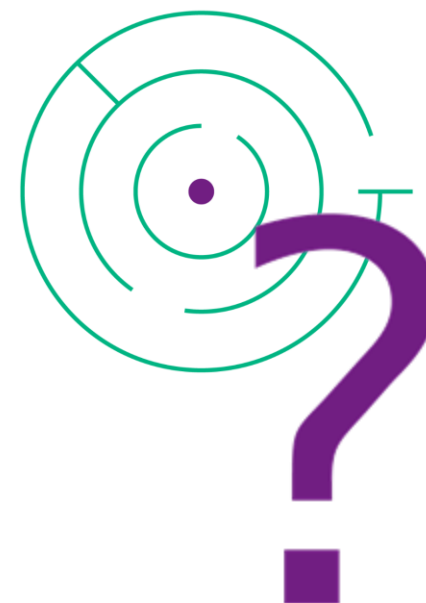
A New Kind Of Wavelike Basket Bottom

- Especially ring instruments stay upright during the packaging process. That makes the process much more comfortable.



Current Challenge

It is often stated wire baskets offer better drying and cleaning results but the wires tend to break, causing **injuries** to staff handling the set.



Enhanced Cleaning and Drying Performance

- Good cleaning and drying results without the risk of creating 'wires'



Current Challenge

Fast and easy set identification is a prerequisite for an optimized workflow



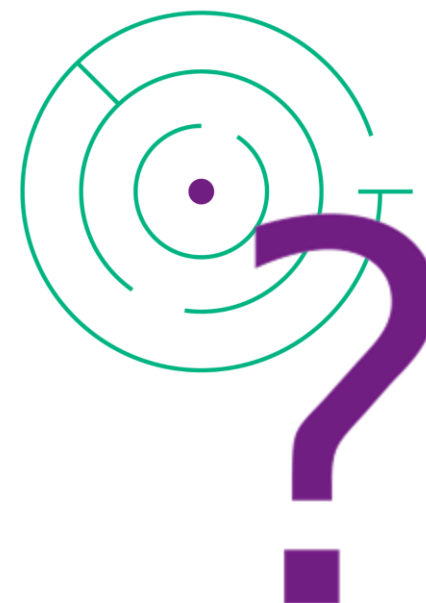
Synchronized Identification System

- Same tags for container and baskets



Current Challenge

Different baskets for containers and wrap is not really efficient



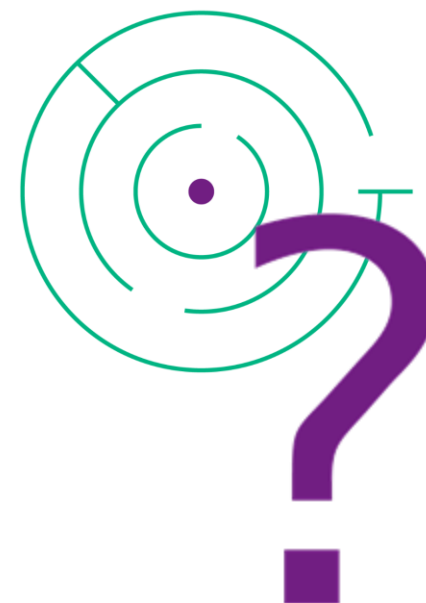
Smooth design

- One basket fits all: due to the smooth, rounded design and the absence of feet the new AESCULAP Aicon® instrument basket works well for single-use wrap



Current Challenge

Carrying heavy instrument sets is a challenge for OR and Central Sterile Service staff



Ergonomic* handles

- The gripping and holding conditions of the basket are very good, the dimensions are rated by users and experts as exactly right.



At a glance:

Wavelike basket bottom

- For a comfortable packaging process

Enhanced cleaning and drying performance

- Without the risk of “wires”



Ergonomic handles

- Ergonomic carrying of heavy sets

Synchronized identification system

- Communication interface

Smooth design

- One basket fits all, container and single-use wrap

THANK YOU!

AESCULAP Aicon® - the new Aesculap®
Sterile Container System

A jump ahead in sterile supply management

