

***STERIFAST***<sup>®</sup>

sterilization & Disinfection systems Lda.



**WE BELIEVE  
IN RESPONSIBLE  
PACKAGING**

# WHY DO CLIENTS CHOOSE US?



## Why do clients choose us?

**STERIFAST**<sup>®</sup> is a leading manufacturer of infection prevention products. Our aim is to provide a high level of professional sales services and support. We will deliver ongoing valued consultancy to prepare for the future growth of the health care field.

Sterifast is a customer-centered company who provides a professional, friendly, and individual service to every customer, focusing on their needs.

## STERILIZATION PACKAGING

The end user of our product divided into two groups:

1. Hospital, Clinics, and healthcare field,...

\*According to EN 868 -3, EN 868 -5 and ISO 11607

2. Medical Device Manufacturers

\*According to EN 886 -6, EN 686 -5 and ISO 11607

### MEDICAL PAPER:

There are some parameters about medical paper that should be noticed:

- Liquid Resistance
- Air Permanence (Porosity)/Pore Size
- Wet & Dry Mechanical Resistance
- Biocompatibility / Non Toxicity / Bioburden
- Sealing
- Closing Integrity / Peeling,...

Our medical paper depending on its type, can be sterilized by steam, E.O. gas,  $VH_2O_2$  and irradiation. This paper can be offer by its usage in different sizes and weights. This paper could be with printing or not.

Medical paper in terms of their weight and type includes:

60 gsm, 63 gsm, 70 gsm, 85 gsm, Coated Tyvek, Tyvek, Paper/PE and etc.

- Formaldehyde indicator available upon request

### Own Brand Labeling (OBL) :

Sterifast offers medical device manufacturers their packages with favorite design and brands.

Printing on medical packages includes, Indicators (Steam, E.O.,  $VH_2O_2$ ), Customers' designs and Customers' Information (product's name, logo, technical specifications, standards and etc. )

### ALUMINIUM POUCH AND ROLL

- Different layers with combination of paper, PE & AL
- Customized width, Customized length

### MEDICAL FILM

- Customized solution based on PA, PE, PP,...
- Different thicknesses
- Color: Transparent
- Customized width, Customized length

### PACKAGING SOLUTIONS

The packaging is designed and developed in our design department according to EN 868 and ISO 11607 based on customers' requirements.

Also, we offer single use products' manufacturers, the most appropriate materials of packaging.



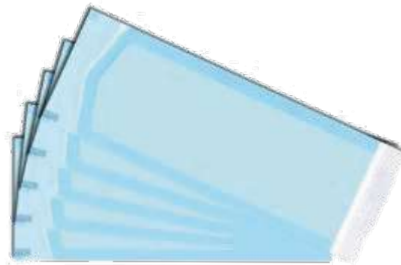
## FLAT STERILIZATION ROLL AND POUCH

- Color: Blue , Green , Transparent
- Indicators: Steam & E.O. and Formaldehyde upon request
- Customized size



## SELF-SEALING POUCH

- Color: Blue, Green
- Customized size
- Indicators: Steam & E.O. and Formaldehyde upon request



## GUSSETED STERILIZATION ROLL

- Color: Blue, Green, Transparent
- Indicators: Steam, E.O. and Formaldehyde upon request



## TYVEK<sup>®</sup> STERILIZATION ROLL

- Color: Transparent
- Indicator:  $VH_2O_2$
- Customized size



## TYVEK<sup>®</sup> HEADER BAG

Tyvek<sup>®</sup> header bags consist of see-through or white film and a Tyvek<sup>®</sup> lap. This allows complete visibility of these products contained inside and makes pouches ideal for Custom-Pack suitable for E.O. and irradiation sterilization.

- Indicators: E.O. and irradiation upon request.



## CREPE PAPER

- High Quality Creped Paper For Sterilization Packaging
- Standard crepe: 100% cellulose material
- Medical crepe paper works as an efficient barrier to humidity and it can be used to pack
- Materials that will undergo either steam or E.O gas sterilization



## SMS SHEET

- SMS non woven:
- 100% synthetic fibers
  - Minimum of 3 layers of Spun bond/ Melt blown



## ABSORBENT TRAY LINER

Choose the tray liner adopted to your needs.

Our most standard sizes:



## BOWIE & DICK TEST

- Accurate daily steam penetration test
- Ready to use
- Disposable
- Each test contains information for traceability
- Intelligent ink technique



## LABEL GUN & INDICATOR LABEL

- Conform to ISO11140 -1 (Type 1)
- Indicator: steam or  $VH_2O_2$
- Printing operator code, cycle number, expiry date, etc. by label gun



## TYPE 4 (I4) CHEMICAL INDICATOR

- Multi-variable steam indicator
- Type 4 indicator conforms to ISO11140 -1
- Heavy metals free



## EO INDICATOR (E1)

- Conform to ISO 11140 - 1



## TYPE 6 (I6) CHEMICAL INDICATOR

- Steam Emulating indicator (134 °C 3.5 min, 5 min, 7 min and 121 °C 15 min)
- Water based ink
- Heavy metals and lead free



## SEAL CHECK

- Conform to ISO 11607- 2



## HELIX TEST

- The ideal process challenge device
- Non-toxic ink
- Conform to EN ISO11140 - 1 (Type 2)



## BIOLOGICAL INDICATOR

Biological indicators are test systems that contain viable microorganisms with a defined resistance to a specific sterilization process. They help monitor whether the necessary conditions were met to kill a specified number of microorganisms for a given sterilization process.



## SCBI UNIVERSAL INCUBATOR

Adjustable Self-Contained Biological Indicators (SCBI) Incubator:

- Incubation of Indicators containing *Geobacillus Stearothermophilus* (for Steam,  $VH_2O_2$ , Ozone sterilization processes) if adjusted to 57 °C.
- Incubation of Indicators containing *Bacillus Atrophaeus*
- Main Characteristics
- Selectable incubation temperature (37 °C or 57 °C)
- Very fast warm up time, 12 to 14 min. depending on the selected temperature
- Integrated thermometer with digital display
- Incubates up to 18 SCBIs simultaneously
- Integrated SCBI crushing cavity
- 24 hours-a-day use
- 110V/220V power adapter



## THERMOSEALING MACHINE

High performance thermosealer  
with an innovative design

- Roll holder
- Welding band of 12mm
- According to ISO11607- 2
- Acoustic and visual signal for sealing
- Easiness of paper entree
- Safety system to avoid burning of material



## STERIFAST CUTTER MACHINE

- Ergonomic design
- Useful length: 50, 70, 90 (cm)



## AR 8000 SEALCUT

- Innovative machine to produce medical pouches
- Conforms to ISO 11607- 2
- With a reel dispenser and heat sealing device
- Equipped with LCD, USB port for traceability
- Maximum flexibility
- Cost effective
- Compact dimension
- Programmable



## AUTOMATIC SEALING MACHINE

- Automatic Sealing Machine
- Conforms to ISO11607- 2
- With an integrated printer



## RESISTOMETER

- Design based on EN ISO 18472 requirements
- Ready to use program for each type of test based on ISO 11140 for true positive and true negative test
- Allow to define program with different temperature and time requested by customer
- Capable to perform consecutive tests cycle after initial warm up
- Perform tests needed in type 1 to type 6 chemical indicators
- Equipped with different Alarms and warnings to inform user of any non conformity with standard requirements
- Print test result



## MEDICAL PACKAGING VALIDATION

### LABORATORY

Sterifast Medical Packaging Validation Laboratory is complying with the quality system regulation and ISO 11607 requirements. Sterifast comply requirements for the competence of testing and calibration according to ISO/IEC 17025.

we do the material, process and equipment qualification which includes:

- Accelerated Aging
- Barrier properties
- Seal & Tensile Strength test
- Installation qualification, Operational qualification and performance qualification
- Mechanical properties



### AUTOCLAVE LABORATORY

Sterifast autoclave Test and Calibration Laboratory has the most advanced technology, most sophisticated measuring equipment and employs qualified personnel specializing at calibration and quality control services in the field of medical autoclaves.

We are honored that our teamwork is based on ISO 9001 and Sterifast comply requirements for the competence of testing and calibration according to ISO/IEC 17025.

The scope of the Sterifast Calibration Laboratory includes:

- Table-top Autoclave
- Hospital Steam sterilization
- Laboratory autoclave
- pharmaceutical Autoclave



We do quality control of Autoclave according to EN 13060, EN 285, ISO 17665, and IEC 61010

## STERIFAST FACE MASK (3 - LAYER PROTECTION):

Wearing it could effectively block out dust, bacteria, droplets, and air pollution, and then offer oxygen for you to breathe comfortably, protecting your health.

- Breathable and comfortable:

Lightweight design, skin-friendly material, It won't create fatigue or stress to your skin.

- Built-in adjustable metal nose-bridge strip:

### Application:

Dental clinic, daily activities, such as daily outing, house cleaning,...

Package Contents: 50 Pcs Face Mask



## STERIFAST COVERALL IS MADE BY TYVEK®

Sterifast Cover is made by Tyvek®. Sterifast Cover garments provide an ideal balance of protection, durability and comfort. The coveralls provide an effective barrier against particles, maintenance and many others. Color: White

### APPLICATION:

- Pharmacy
- Food factory
- Airport epidemic checkpoint
- Government epidemic prevention workers
- Maintenance
- Other public Epidemic checkpoints



SIZE CHART Isolated clothing	SIZE	SIZE	SIZE	SIZE
	M	L	XL	XXL
Shoulder width	68 CM	70 CM	76 CM	83 CM
appropriate height	175-160 cm	170-180 cm	180-200 cm	180-210 cm

## HAND DISINFECTANT

The hands are the most important tool for many people, and at the same time they are the main transmission route for infectious diseases. Good hand hygiene is the basis for efficient and effective protection in order to interrupt chains of infection and prevent infections.

## THE VARIETY OF SURFACE DISINFECTANT

By systematically disinfecting surfaces such as floors, walls, facilities, brackets, etc., you interrupt the transmission of infections.



## A FACE SHIELD IS INTENDED TO

Protect the wearer's partial or entire face and the eyes from hazards. Face shields should be used with spectacles and/or goggles.



## FACE MASK FFP2

- Higher Bacterial Filtration Efficiency
- Restriction-less breathing
- Fluid Resistant
- Comfortable and easy to wear

6-PLY DISPOSABLE MASK

6-SOLID PROTECTIVE MASK



# PLASMA STERILIZER

## Construction Features

### Chamber

Sterilization chamber with useful volume of (50, 80, 110, 160 )Liters  
 (W 42 x D 62 x H 42 cm). Other sizes available on request  
 Sterilization Chamber made of non-corrosive aluminium  
 Chamber internal cover easy to remove for easy cleaning  
 Chamber internal cover with holder for two loading shelves  
 Ergonomic chamber loading/unloading position  
 All mechanic connections by clamp system  
 All tubes, unions and clamps are made of stainless steel.

### Doors

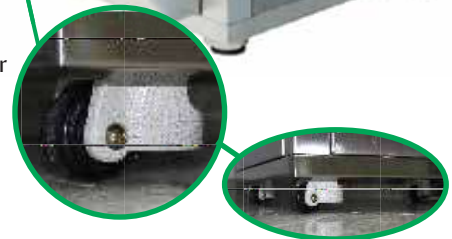
Not Manual; only automatic (single or double)  
 Doors made of non-corrosive aluminium;  
 Doors Interlock System;  
 Automatic Verification of the doors' position;  
 Timing and notice of automatic door closing on the screen;  
 Safety System avoiding pinching during door closing;  
 Sliding door opening system activated by pedal;  
 Controlled automatic heating of the doors with energy saving system.

### I\_SD\_C System (Intelligent Sliding Door Control System)

Sliding door of clean side will not open in the test cycles  
 Sliding door of clean side will not open in case of failed or aborted cycle  
 If the unclean side door is open, the system does not allow the opening of  
 The clean side door; will close automatically after 10 minutes, to save energy  
 Information on the screen about the 10 minutes time countdown to close the door  
 Acoustic sign warning the door is closing, 5 seconds before it starts closing  
 If the door is open and you press the pedal, the time countdown will restart  
 During the upwards movement, if something touches the door sensor  
 The movement will be reversed and the door opens

### Housing

Structure and panels made of stainless steel  
 Panels with knobs that make the access for service very easy  
 External parts and surfaces finished in a way that alive edges that  
 Could hurt the operator do not exist  
 External Dimensions (110 liters model): W 70 x D 82 x H 180 cm  
 Weight (110L model): 270 kg  
 Wheels with supporting feet on the four corners of the machine



### Sterilizing Agent Refilling System

Completely automatic refilling system  
 The operator never gets in direct contact with the chemical product  
 Supplying System located under the waistline  
 Sterilizing agent tank with controlled temperature  
 The sterilizing agent in the tank keeps all its properties  
 Automatic drawer with a holder for the sterilizing agent bottle  
 Automatic perforation of the recharge bottle  
 All liquid of the recharge bottle is sucked into the tank  
 Recognition of recharge bottles by RFID

### Cycles information

Sterilization Cycles	
Advanced	Hollow loads
Normal	Non hollow loads
Endoscope	Flexible and Rigid Endoscopes
Free (Out of Service)	Custom Made
Test Cycles	
Test I	Penetration Test
Test II	Leakage Test
Test III	Leakage and Penetration Test





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