



# mixta

## STEAM STERILIZER

MADDA SERIES

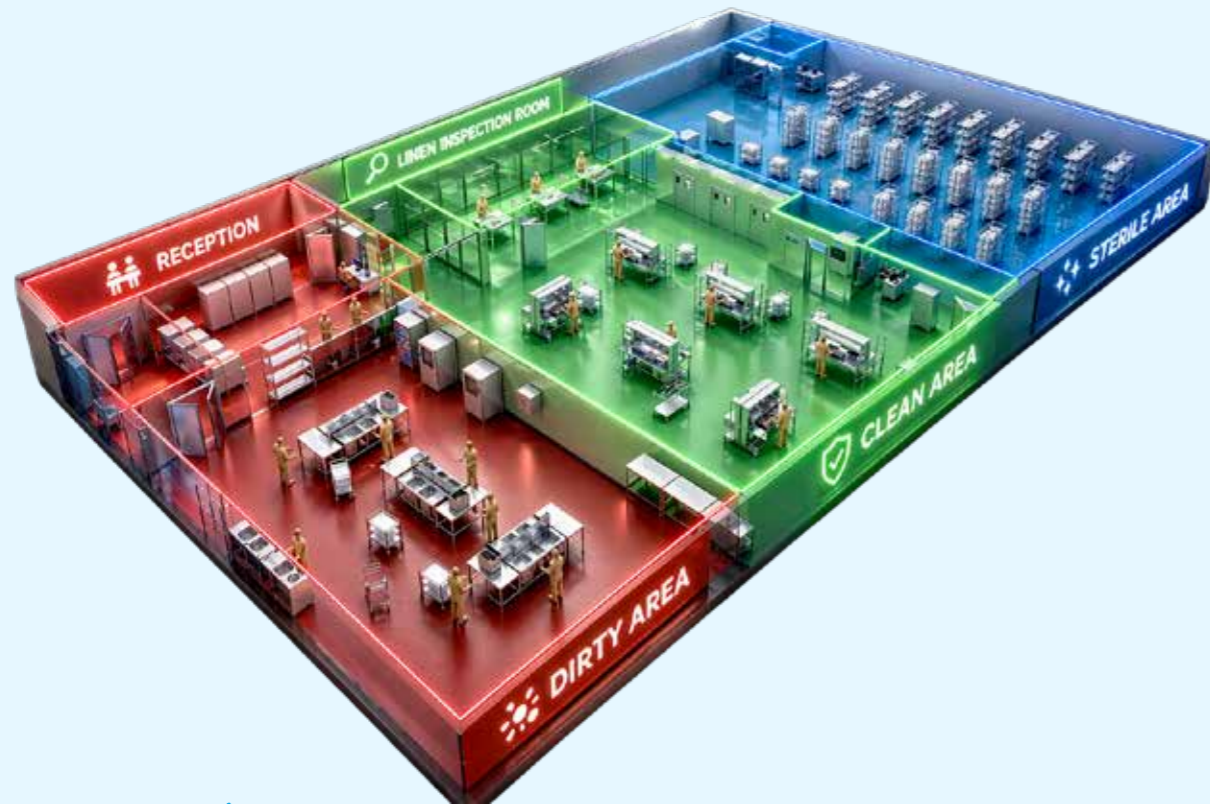


## Workflow of Sterilization

MiXTA Solutions starts with collecting the used equipment from OR to transport the CSSD Department for the stages of Reception from the Sterile Supply. Sterilization process starts at the "dirty area" of the Central Sterile Supply Department. Means of this stage is Cleaning of the used equipment/materials wither manually or by machine in cleaning either by scrubbing the instrument manually using a surfactant or detergent and water, or by using one of our ultrasonic cleaners. Manual cleaning methods include soaking, or spray-gun rinse and/or ultrasonic cleaning before being loaded into the washer-disinfector in stage of Disinfection.

After the cleaning stage, sterilization process continues with the Packaging & Inspection in the "clean area". In the clean area, sterilization process follows Sterilization through the steam sterilizers (MiXTA MASDA/MADDA Steam Sterilizers) renders materials sterile for quality patient care.

In the last stage of sterilization process is Sterile Store, sterilized packs being placed into storage in the "sterile area" until they are ready to be transported to operating theatre and other departments in closed trolleys to sterile supply again.



## mixta STEAM STERILIZER

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### Application and Description:

Mixta Steam Sterilizer is an advanced system designed for high-performance sterilization processes, equipped with an integrated steam generator.

The device ensures safe and effective sterilization of all heat- and moisture-resistant medical equipment, whether packaged or unpackaged, using pressurized saturated steam.

With its advanced control system and automated program structure, processes are optimized, operator errors are minimized, and maximum sterilization safety is achieved.

### Usage Areas:

- Operating rooms and CSSD units in hospitals
- Clinics and healthcare centers
- Universities and research laboratories
- Veterinary applications
- Microbiology and analytical laboratories
- Industrial environments requiring sterilization

## Advanced Door Safety System:

The Mixta Steam Sterilizer is equipped with an advanced door system designed to ensure maximum safety, durability, and operational reliability.

The system prevents the door from being opened under pressure, protecting both the operator and the sterilization process. With its robust locking mechanism and precision sealing structure, it guarantees complete airtightness throughout the entire cycle.

Integrated safety controls continuously monitor pressure conditions and ensure that the door can only be opened when safe conditions are achieved.

### Bullet Feature:

- Automatic door locking system
- 3-stage safety system (software, electromechanical, mechanical)
- Energy-saving mode as standard
- Stand-by mod
- Pressure-controlled safety mechanism
- High-performance sealing gasket for perfect tightness
- Secure opening only under safe conditions
- Durable and long-life door structure









### Smart Control Panel

The Mixta Steam Sterilizer is equipped with an advanced HMI-based control panel designed to provide maximum ease of use and full process control.

Its intuitive interface allows operators to easily select programs, monitor cycles in real time, and manage all sterilization processes with high precision.

The system minimizes user errors while ensuring consistent and reliable sterilization performance.

### Feature Bullet

-  Advanced HMI touch control system
-  User-friendly and intuitive interface
-  Real-time cycle monitoring
-  Programmable sterilization cycles
-  User-based access management
-  Alarm and warning notification system

## Technical Details:

MODEL	ID	VOLUME LT	CHAMBER (mm)			OUTSIDE DIMENSIONS (mm)			GENERATOR		300X300X600MM CONTAINER QUANTITY	600X400X200MM CONTAINER QUANTITY
			Width	Heigh	LENGTH	Width	Heigh	LENGTH	POWER Kw	VOLUME LT	STU	ISO
MIXTA PRO S SINGLE DOOR	MASDA 0090	90	370	370	665	770	1205	1860	15	40	1	0
	MASDA 0165	165	370	670	665	770	1400	1860	30	40	2	2
	MASDA 0250	250	500	500	1005	890	1590	1860	30	40	1	1
	MASDA 0305	305	670	670	665	1050	1300	1860	40	60	4	2
	MASDA 0435	435	670	670	955	1050	1600	1860	40	60	6	4
	MASDA 0565	565	670	670	1245	1050	1700	1860	50	60	8	6
	MASDA 0710	710	670	670	1580	1050	2250	1860	60	80	10	8
MASDA 0845	845	670	670	1880	1050	2400	1860	75	80	12	8	
MIXTA PRO DOUBLE DOORS	MADDA 0165	165	370	670	665	1025	1050	1860	30	40	2	2
	MADDA 0250	250	500	500	1005	900	1600	1860	30	40	1	1
	MADDA 0305	305	670	670	665	1350	1250	1860	40	60	4	2
	MADDA 0435	435	670	670	955	1350	1440	1860	40	60	6	4
	MADDA 0565	565	670	670	1245	1350	1585	1860	50	60	8	6
	MADDA 0710	710	670	670	1580	1350	2160	1860	60	80	10	8
	MADDA 0845	845	670	670	1880	1350	2320	1860	75	80	12	8

### Construction & Standards

- Chamber, steam jacket, door and steam generator: 316L stainless steel.
- Frame and supporting structures: 304 stainless steel.
- Tested according to EN285 and PED 2014/68/EC.
- Manufactured in compliance with MDR 2017/745 Medical Device Regulation.
- Produced under a Quality Management System in accordance with ISO 13485.
- High-efficiency insulation for chamber, door and steam generator.

### Sterilization Programs

Program Name	Temperature(°C)	Sterilization Time (min)
Wrapped materials	134°C	10 min.
Wrapped materials	121°C	20 min.
Fast cycle	134°C	4 min.
Bowie Dick test	132°C	3.5 min.
Automatic Leak Rate Test	-	5 + 10 min.
Heavy load (surgical inst.)	134°C	10 min.
Specific materials	121°C - 134°C	18 - 90 min.

### Performance Features

- Equipped with high-capacity, silent water ring pump with low energy and water consumption.
- Pre-vacuum by alternating steam and vacuum pulses.
- Post-vacuum for effective drying.
- Innovative design reduces water consumption per cycle by up to 30%.
- Optimized vacuum and steam algorithms prevent unnecessary steam generation and energy loss.
- Optional water recovery system for eco-friendly operation.
- Early wake-up feature: device automatically switches on at preset time and starts pre-heating.
- Stand-by feature: device switches to low energy mode when not in use; stand-by transition time adjustable by the user.

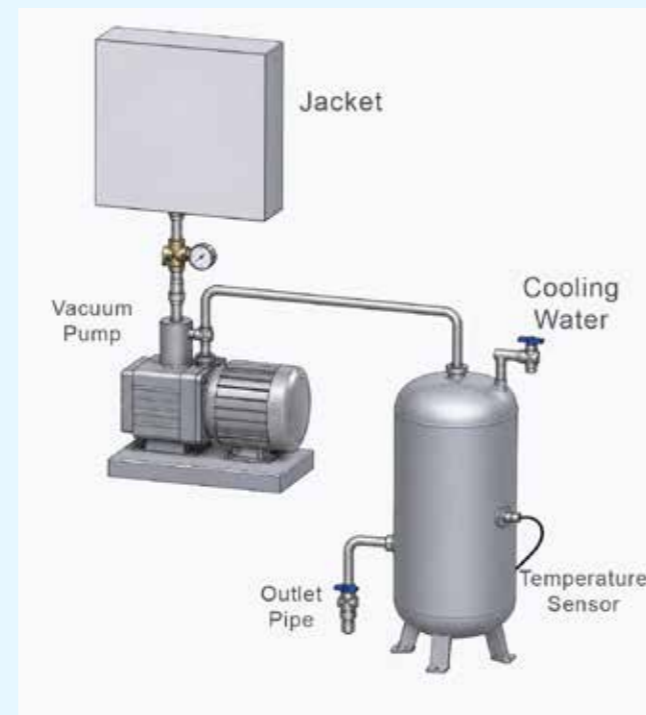


### Transfer Trolley:

It enhances operational efficiency by ensuring loads are transported to the steriliser quickly, safely and ergonomically. Stainless steel construction for hygienic and long-lasting use. High load capacity for heavy loads. Easy and safe use thanks to ergonomic design. Adjustable height structure to accommodate different sterilisers and loading levels. Easy manoeuvrability with quiet and durable wheels. Stable and secure positioning with a braking mechanism. Compatible with load baskets and shelving systems, featuring adjustable and numbered shelf spacing. Compliance with hygiene standards thanks to easy-to-clean surfaces. Optional size and capacity options. Fully compatible with double-door (pass-through) systems.

### Water Recovery System (eco mode):

It offers environmentally friendly operation by optimising water consumption and reduces operating costs. The vacuum pump operates on the liquid ring system principle. The process water used during vacuum generation is collected in a dedicated recovery tank. The collected water is cooled to the ideal operating temperature via an integrated cooling system. The cooled water is fed back into the vacuum pump, ensuring a closed-loop system. This cycle minimises the need for a constant supply of fresh water. The Eco mode enables significant savings in water consumption. The system is automatically controlled to maintain vacuum performance. It offers high efficiency in terms of both environmental sustainability and operating costs.



### Chart Recorder:

It enhances data security by independently recording critical process data and ensures full compliance with regulations. It independently records temperature, pressure and time data relating to the sterilisation process. By operating independently of the main control system, it enhances data security. It ensures the continuous and reliable monitoring of critical process parameters. It enables visual analysis of the process through graphical recording (charts). It provides a reliable data source for validation and quality control processes. It provides additional verification to ensure compliance with regulations and standards (GMP, EN, ISO). It offers backward traceability by preventing data loss even in the event of potential system failures. It provides easy monitoring and access to records via a user-friendly interface.



## Mixta in 110+ Countries



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