

CSSD and Laundry SOLUTIONS

The Central Sterile Supply Department (CSSD)

LuxMed® Healthcare Redefined

A Brand of
LUXLIGHTING TECHNOLOGY PRIVATE LIMITED

Markets We Serve

Laboratory
Pharmaceutical
Biomedical

EQUIPMENT'S



Design, Supply, Installation, Commissioning, Training, Documentation and Maintenance for a period of 2 years of "The Central Sterile Supply Department (CSSD)" Project.

LuxMed® a testament to the Make in India mission, a global force redefining healthcare.

About Us



LuxMed® - Healthcare Redefined is a world-leading life science engineering and Pharmaceutical Engineering Solutions company with a diversified portfolio and sales in over 12 countries, as a manufacturer of heating cooling, sterilization and air contamination controlling technology and machinery for Hospital, Pharmaceutical, Laboratory, Biopharma and IVF industries.

Based on more than 10 years of experience and know-how, LuxMed® is known for its quality, continual innovation and attention to its customers' needs. We continue to provide reliable world-class equipment to help pharmaceutical companies make their products safer and more cost-effective.

LuxMed® has the widest range of certifications making it the top-most preferred by leading MNC pharmaceutical, biotech companies, universities, research institutes, hospitals & IVF centres all across the globe. We continue to innovate to provide enabling technologies to make human lives healthier and safer, capturing the essence of true value creation.

LuxMed® is the acknowledged leader in providing the best contamination controlling technology and machinery of the highest value, offering a combination of value, high quality construction, low operating costs, great customer support and a wide product range to suit all budget.

Welcome to the world of LuxMed®.

LuxMed® : Integrated Technology Solutions with State-of-the-Art Facilities



LuxMed® Integrated Technology Centre
Ambala Cantt, Haryana



Embedded Software Development



CAD/CAM Design



Welding Machine and Technology - LASER,
MIG, TIG, Argon and Arc



Power Press Machine

CNC Press Brake



Fibre Laser Cutting Machine 2KW

Luxlighting Technology recognised as a Startups supported under The "Centre for Augmenting WAR with COVID-19 Health Crisis (**CAWACH**) program" by Department of Science and Technology, DST, India https://isba.in/wp-content/uploads/2020/09/Cawach-Startups_51.pdf Sr. No. 46. **Luxlighting Technology Pvt. Ltd.**

Funding Support by



Centre for Augmenting WAR with
COVID-19 Health Crisis
(**CAWACH**)

An initiative by National Science & Technology Entrepreneurship Development Board (NSTEDB),
"Department of Science and Technology (DST), Government of India"

Our CORE STRENGTHS

A team with rich healthcare experience.



Detailed Engineering Capability



Knowledge of cGMP practices



Ability to understand customer requirements



Compliance with regulatory requirements



On-Time Delivery

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Horizontal Sliding Door Rectangular Steam Sterilizer

Eliminating the Microorganisms

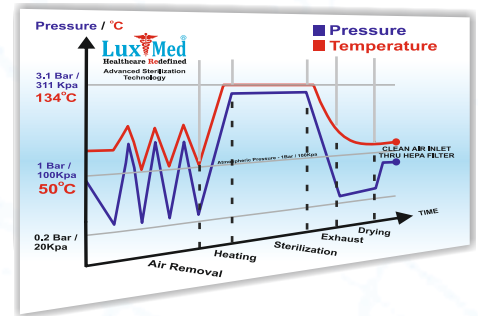
The LuxMed[®] line of healthcare sterilizers are designed for hospital operation theaters, central sterile supply departments, ambulatory surgery centers, dental schools, and other clinical settings. LuxMed[®] autoclaves come standard with vacuum, liquid, gravity and flash cycles to sterilize surgical instruments, utensils, gowns, wrapped/unwrapped goods, porous load and other healthcare instruments. All sterilizers components, maximizing total cost of ownership. defense against infection seriously.

Horizontal Sliding Rectangular Sterilizer LM-HSRS

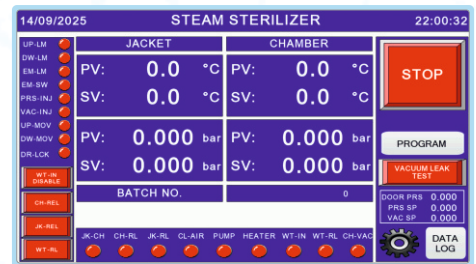
LuxMed[®] LM-HSRS is designed to provide faster instrument availability to a lower total cost. You can cut process time by up to 30% and reduce utility consumption and thus improve your environmental profile while saving money. It is better for both your patient and our planet.

Quality in every detail

Thanks to its small footprint and adherence to international standards, the new LuxMed[®] LM-HSRS sterilizer fits easily into most existing CSSD lines. Our experts will be happy to review your needs and your present CSSD configuration with you and design a customized solution that enables you to upgrade your system – and boost your throughput – at a low cost and with minimal disruption.



LuxMed[®] Proprietary Software Design



Faster instrument availability

Content Processing time is up to 30% faster, giving maximum throughput. Thanks to the automatic start-up, the sterilizer is ready to use when you need it.

Intuitive Centric user-interface

Highly innovative interface ensures easy operation and optimum throughput. Full functionality with or without gloves.

Increase load capacity without increasing space

A taller chamber - complemented by a unique sliding door design - gives you up to 33% greater load capacity.

Save money and the environment

Uses as much as 95% less water and 25% less energy than comparable sterilizers.

Always connected

Monitors and records all cycle performance data - with instant access via the LM-CFR Cloud user interface. Records can be printed, stored and read by sterile supply management and traceability solutions.

Model (Indian Market)	Working Chamber (in Inch)	Capacity (in Litre)	Power Consumptions (3 Phase / 440Vac)	Door
LM-HSRS-180-SD	18"X18"X36"	180 Liter	12 Kw	Single Door
LM-HSRS-250-SD	18"X24"X36"	250 Liter	12 Kw	Single Door
LM-HSRS-350-SD	24"X24"X38"	350 Liter	18 Kw	Single Door
LM-HSRS-450-SD	24"X24"X48"	450 Liter	18 Kw	Single Door
LM-HSRS-850-SD	24"X36"X60"	850 Liter	27 Kw	Single Door
LM-HSRS-180-DD	18"X18"X36"	180 Liter	12 Kw	Double Door
LM-HSRS-250-DD	18"X24"X36"	250 Liter	12 Kw	Double Door
LM-HSRS-350-DD	24"X24"X38"	350 Liter	18 Kw	Double Door
LM-HSRS-450-DD	24"X24"X48"	450 Liter	18 Kw	Double Door
LM-HSRS-850-DD	24"X36"X60"	850 Liter	27 Kw	Double Door

Technical data - Export Model

Model (Export Market)	Unit	LM-HSRS-EX-10	LM-HSRS-EX-13	LM-HSRS-EX-17	LM-HSRS-EX-20
Chamber volume -1 (single door)	L/ Cu ft	468 / 16,5	609 / 21,5	796 / 28,1	-
Chamber volume -2 (double door)	L/ Cu ft	468 / 16,5	609 / 21,5	796 / 28,1	937 / 33,1
Chamber width	mm / in	660 / 26"	660 / 26"	660 / 26"	660 / 26"
Chamber height	mm / in	700 / 27" 1/2	700 / 27" 1/2	700 / 27" 1/2	700 / 27" 1/2
Chamber depth	mm / in	1000 / 39" 3/8	1300 / 51" 1/4	1700 / 66" 7/8	2000 / 78" 3/4

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Steam Sterilizer

Eliminating the Microorganisms

LuxMed®'s line of healthcare sterilizers are designed for hospital operating rooms, central sterile supply departments, ambulatory surgery centers, dental schools, and other clinical settings. Autoclaves come standard with vacuum, liquid, gravity and flash cycles to sterilize surgical instruments, utensils, gowns, wrapped/unwrapped goods and other healthcare instruments and supplies. All sterilizers are equipped with reliable non-proprietary components, maximizing “uptime” while providing an ultra low total cost of ownership. Autoclaves continue to be the first line of defence against infection and LuxMed® takes this responsibility seriously.

Hinged Door Rectangular Steam Sterilizer DOUBLE DOOR



Hinged Door Horizontal Cylindrical Steam Sterilizer DOUBLE DOOR



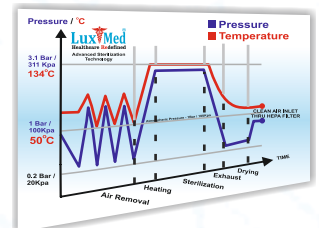
This type sterilizer is applicable for medical liquid, instrument and dressing fabric in medical institution and pharmaceutical factory.

Application:

It is applicable for the sterilization of unpacked solid instrument in department of Stomatology, Ophthalmology, Operation room and CSSD.

Features:

- Drying function.
- Interlock function.
- Automatic sterilization process.
- 304 stainless steel material chamber.
- Safety valve for over pressure protection.
- Automatically fill water in case of low water level.
- Over-temperature, over-pressure protection device.
- Water level sensor. The power will be cut-off.
- Double door optional



Rectangular Steam Sterilizer Standard Series (C) - Double Door

Model	Chamber Dimension	Chamber Volume	Steam Generator (KW)	Steam Generator Capacity (Litres)	Floor Space (Width x Depth)	Packed
LM-SR-DD-180RT	460 x 460 x 920	195	9 KW	45	1130 x 1900	380
LM-SR-DD-250RT	460 x 460 x 1220	258	18 KW	60	1175 x 2210	600
LM-SR-DD-300RT	520 x 520x 1220	330	18 KW	60	1230 x 2400	750
LM-SR-DD-450RT	620 x 620 x 1220	469	18 KW	60	1230 x 2400	750
LM-SR-DD-800RT	620 x 920 x 1530	873	36 KW	90	1230 x 2400	750
LM-SR-DD-1600RT	920 x 1220 x 1530	1,717	72 KW	100	1460 x 3090	900

LuxMed® - We make customise product as per customer needs, above are our standard model for offering based on our market research for best utility and sizes needed for standard drum size.

Cylindrical Steam Sterilizer Standard Series (D) - Double Door

Model	Chamber Diameter (mm)	Chamber Depth (mm)	Chamber Volume (Litres)	Steam Generator (KW)	Steam Generator Capacity (Litres)	Floor Space (Width x Depth)	Packed
LM-SR-80CY	410	620	80	9KW	45	1130 x 1900	380
LM-SR-180CY	520	920	195	9KW	45	1175 x 2210	600
LM-SR-250CY	520	1220	259	18KW	60	1230 x 2400	750
LM-SR-270CY	620	920	277	18KW	60	1230 x 2400	750
LM-SR-360CY	620	1220	368	18KW	60	1230 x 2400	750
LM-SR-500CY	750	1220	511	30KW	90	1460 x 3090	900

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Steam Sterilizer

Eliminating the Microorganisms

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Hinged Door Rectangular Steam Sterilizer

SINGLE DOOR



Hinged Door Horizontal Cylindrical Steam Sterilizer

SINGLE DOOR



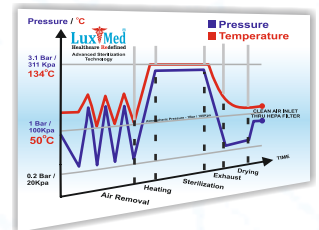
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Application:

It is applicable for the sterilization of unpacked solid instrument in department of Stomatology, Ophthalmology, Operation room and CSSD.

Features:

- Drying function.
- Interlock function.
- Automatic sterilization process.
- 304 stainless steel material chamber.
- Safety valve for over pressure protection.
- Automatically fill water in case of low water level.
- Over-temperature, over-pressure protection device.
- Water level sensor. The power will be cut-off.
- Double door optional



Rectangular Steam Sterilizer Standard Series (A) - Single Door

Model	Chamber Dimension	Chamber Volume	Steam Generator (KW)	Steam Generator Capacity (Litres)	Floor Space (Width x Depth)	Packed
LM-SR-SD-180RT	460 x 460 x 920	195	9 KW	45	1130 x 1900	380
LM-SR-SD-250RT	460 x 460 x 1220	258	18 KW	60	1175 x 2210	600
LM-SR-SD-300RT	520 x 520x 1220	330	18 KW	60	1230 x 2400	750
LM-SR-SD-450RT	620 x 620 x 1220	469	18 KW	60	1230 x 2400	750
LM-SR-SD-800RT	620 x 920 x 1530	873	36 KW	90	1230 x 2400	750
LM-SR-SD-1600RT	920 x 1220 x 1530	1,717	72 KW	100	1460 x 3090	900

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Cylindrical Steam Sterilizer Standard Series (B) - Single Door

Model	Chamber Diameter (mm)	Chamber Depth (mm)	Chamber Volume (Litres)	Steam Generator (KW)	Steam Generator Capacity (Litres)	Floor Space (Width x Depth)	Packed
LM-SR-SD-80CY	410	620	80	9KW	45	1130 x 1900	380
LM-SR-SD-180CY	520	920	195	9KW	45	1175 x 2210	600
LM-SR-SD-250CY	520	1220	259	18KW	60	1230 x 2400	750
LM-SR-SD-270CY	620	920	277	18KW	60	1230 x 2400	750
LM-SR-SD-360CY	620	1220	368	18KW	60	1230 x 2400	750
LM-SR-SD-500CY	750	1220	511	30KW	90	1460 x 3090	900

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ETO Sterilizer

Sterilize critical moisture or heat sensitive items.

Features:

- Negative pressure working system: to guarantee in the whole operation process of EO gas overflow, even if there is leakage, and outside air into the cavity.
- Automatic safety monitoring functions: real-time monitoring of the sterilization chamber pressure changes.
- Effective ventilation to remove residual: automatic pulsing exhaust ventilation system, aim to minimize the epoxy ethane residues.
- Safety door interlock: during operation, unable to open the door.
- Two temperature choices: 55 °C high temperature, 37 °C low temperature.
- Humidification control system: built-in humidity sensor real-time monitoring.
- Power off memory function.
- Electric lift door.



Unique Design Standalone Working Unit

X NO External Input Pressure X NO External Input Vacuum

Eto - Ethylene Oxide Sterilization
Eto Sterilization Low Temperature Sterilization Sterilization Methods



FULLY AUTOMATIC OPERATION

Models of Fully Automatic ETO Sterilizer					
LME Series	Liter Capacity	Size in CM	Model Available	Eto Gas Cartridges	Size in Feet
Eto Series LME100	100Ltr	30x30x122	Stainless Steel / MS Powder Coated	100Gm	1x1x4
Eto Series LME120	120Ltr	30x30x140	Stainless Steel / MS Powder Coated	100Gm	1x1x4.6
Eto Series LME135	135Ltr	30x30x152	Stainless Steel / MS Powder Coated	100 GM	1x1x5
Eto Series LME150	150Ltr	38x38x107	Stainless Steel / MS Powder Coated	100 GM	1.25x1.25x3.5
Eto Series LME245	245Ltr	46x46x122	Stainless Steel / MS Powder Coated	170 GM	1.5x1.5x4
Eto Series LME450	450Ltr	61x61x122	Stainless Steel / MS Powder Coated	300 GM	2x2x4



Autoclave - Vertical

Robust and Compact Space-efficient

LuxMed[®] Vertical autoclaves use high-pressure steam for effective sterilization in healthcare, biotechnology, and other sectors by killing microorganisms on medical instruments, lab equipment, and biological waste. They are used in hospitals, operating rooms, pharmaceutical settings, research labs, and educational institutions to maintain hygiene and ensure the reliability of experiments and product quality.

Primary Usage

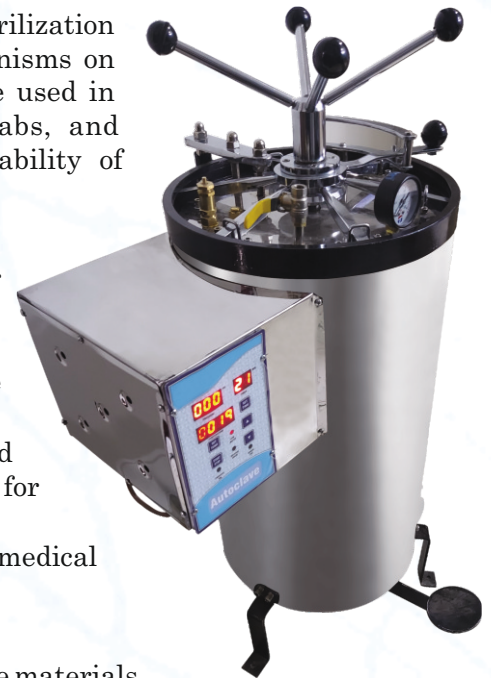
- **Healthcare:** Sterilize medical instruments, surgical tools, and other equipment to prevent hospital-acquired infections (HAIs).
- **Laboratories:** Sterilize glassware, culture media, biological waste, and pipettes to maintain aseptic conditions and ensure accurate experimental results.
- **Pharmaceutical Industry:** Sterilize equipment, formulations, and containers to meet strict quality control and regulatory standards for product sterility.
- **Biotechnology:** Used for sterilization processes crucial to biomedical research and biotechnology applications.

Other Applications

- **Food and Beverage:** Ensure hygiene standards by maintaining safe materials.
- **Veterinary Clinics:** Essential for sterilizing equipment and managing animal research.
- **Dental Practices:** Maintain hygiene and control infections in dental settings.
- **Educational Institutions:** Used for sterilization in academic and educational labs.

How it Works

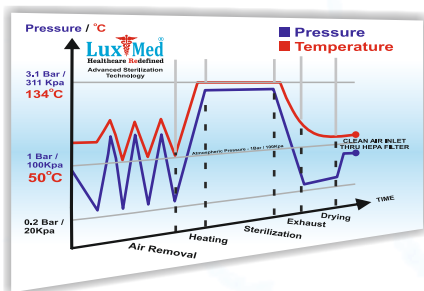
1. **High-Pressure Steam:** The autoclave creates a high-pressure environment, which raises the boiling point of water, allowing steam to reach higher temperatures.
2. **Microorganism Destruction:** This high temperature and pressure effectively kill all microorganisms, including bacteria, viruses, and molds.
3. **Standard Cycles:** Many autoclaves are set to standard parameters for sterilization, such as a temperature of 121°C (250°F) and 15 psi, though higher temperatures may be used for specific materials.



Standard Model



Laboratory Model



VARIANT

- Vertical Autoclave Class B Triple Wall - LM-TW-B
- Vertical Autoclave Class N Double Wall - LM-DW-N

Chamber Size in (Dia x Depth)	Load	Capacity (Approx)
250 x 450 mm	2 KW	22 Ltr.
300 x 500 mm	3 KW	40 Ltr.
350 x 550 mm	4 KW	50 Ltr.
400 x 600 mm	5 KW	78 Ltr.
450 x 600 mm	5 KW	98 Ltr.
550 x 750 mm	6 KW	152 Ltr.



Hot and Cold-Water Sterilizer

Eliminating the Microorganisms

The unit consists of two separate stainless-steel tanks; one is for sterile hot water and the other is for sterile, cold water; both are mounted on a sturdy S.S. cover stand. Each tank has an individual heater bank, low water cut-off pressure controller & conductor. The unit consists of individual control such as a safety valve, pressure gauge, steam trap, self-sterilizing water filter, water level gauge indicator, air & water filter and draw-off water valve with socket, safety valve, double-acting valve, etc. The sterile water chamber additionally fitted with a cooling coil for circulation of cold water.

Construction and Salient Features

- Type of Sterilizer: Hot and Cold Sterilizer
- Double/ Triple walled unit vertically mounted on a sturdy, heavy Stainless Steel.
- Both inner chamber and outer wall made of Stainless Steel 304.
- Power Supply: 12kW
- Capacity: 30-50 Liters
- Application: Hospital
- Model No: LM-WS-30L
- Usage/Application - Hospital
- Automation Grade - Fully Automatic
- Description: Hot and Cold Water Sterilizer
- Brand: LuxMed®
- Country: Made in India
- Capacity: 30 to 50 Liters
- Material: Stainless Steel 304/316
- Power Supply: – 12KW
- Insulation Wall: Double Wall with Insulation
- Available Sizes: 30 to 50 Liters.



Hot and cold water sterilizers are two distinct methods: cold water sterilization uses a sterilizing solution of tablets or liquid to kill germs on items, while hot water sterilization (like steam sterilization or boiling) uses heat from water to destroy bacteria. For baby feeding equipment, cold water sterilization involves submerging items in a prepared solution for a set time before removing them for use or storing them in the solution until needed. Hot water methods require boiling items directly or using a steam sterilizer, ensuring all parts are exposed to the heat.

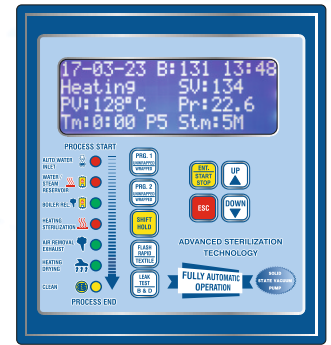
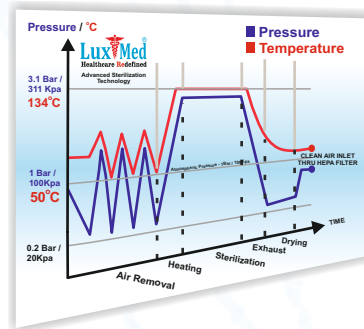


Table Top Autoclave - Class B

Flash Autoclave

Robust and Compact Space-efficient

- B-process, N- process, Dri-Tec drying - process.
- Automatic (with manual override facility in case of auto mechanism failure).
- Sterilizing Cycle Processes available: 121 degree C Wrapped, 134 degrees C Wrapped, 134 degree C Flash/Rapid open instrument cycle, 134 degree C textile, Test programs: Bowie & Dick, Leak Test.
- Audio- visual Alarm facility available for notifying: Temperature sensor failure, Pressure sensor failure, Phase time out, Door improperly closed, Power failure (no alarm if duration of power failure < 10 sec), Safety device malfunctioning, Low water level, Cassette improperly closed.



MODEL	CAPACITY
LM-TTA-15-K	15-18 LITER
LM-TTA-25-K	20-25 LITER
LM-TTA-25-G	20-25 LITER

Flash Autoclave Built In-Steam Storage

Fully Automatic Operation



Waste Water Reservoir



Made In India

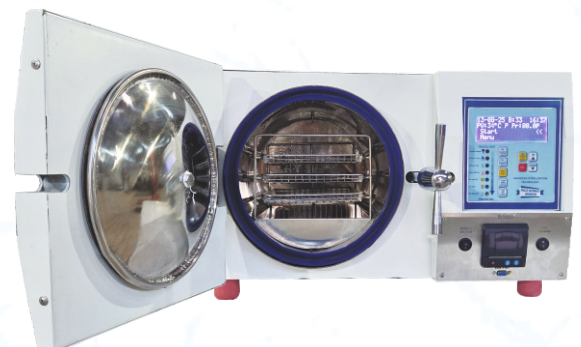
Automatic Water Filling



Intake Water Reservoir

Solid State Vacuum Pump

- The tabletop autoclave can be used for medical and surgical items in ophthalmology, dentistry, and internal medicine clinics, such as packaged items, hollow and porous items for sterilization, and can also be used in emergency rooms and small laboratories.
- **LMA-ZB** series sterilizer is an automatic high temperature and rapid pressure sterilizer which works with steam as a medium.
- It can be widely used in departments of stomatology and ophthalmology, operating room, supply room, dialysis room, and other medical institutions. It is unpacked items, solid instruments, dental handpieces, endoscopes, implantable instruments, dressing fabric, rubber tubes, etc.
- **Build-in open-type water tank**
The sterilizer adopts an easy-clean open-type water tank which can support repeated program running if fully injected with water.
- **High-efficiency ultimate vacuum**
The sterilizer adopts a high-efficiency low noise vacuum system which has excellent effects.
- **Large LCD display for LMAZA/LMAZB**
The LCD screen can display temperature, pressure, time, operating status, failure warning, and other information.
It is convenient for customers to observe the sterilizer's running status.
- **Multiple program types**
The system has various programs, including packed items, unpacked items, BD testing program, vacuum testing program, and drying function. The custom program, rapid program and preheat function (for LMA-Z16B).
- **Standard USB port for LMAZA/LMAZB**
Users can store the sterilization data with a USB disk.
- **Optional mini printer can be attached to record the sterilization process.**



Sealing Machine

LuxMed® CSSD sealing machine is a medical heat sealer for creating secure, sterile seals on medical packaging, ensuring product sterility and preventing recontamination. These devices feature precise temperature control, often with microprocessor or touch screen interfaces, and may include integrated printers for important data like batch numbers and expiry dates on the sealed pouches. Continuous band sealers are a common type, allowing for high-volume use in sterile processing departments to maintain the sterility of instruments until they are used.

Key Features of LuxMed® CSSD Sealing Machines

- **Sterile Barrier Integrity:** The primary function is to create a validated and reproducible sterile seal to protect medical devices LM-FFrom contamination.
- **Precision Control:** Microprocessor-based or touch-screen controls ensure accurate and consistent sealing temperatures, which is crucial for successful sterilization.
- **Integrated Printing:** Many models include printers to add essential information, such as batch numbers, expiry dates, operator details, and sterilizer information, to the packaging.
- **Continuous Operation:** Continuous band sealers provide high throughput, making them efficient for busy CSSD departments.
- **Ergonomic and Durable Design:** Stainless steel construction is common for hygiene and longevity, with ergonomic designs for ease of use.
- **Validation and Documentation:** Features like operational hours counters, energy-saving functions, and interfaces for process documentation systems support validation and electronic data archiving.

Product Description

Features

EXCELLENT PERFORMACE - Sealing Width: 6-15 MM, Film Thickness: 0.02-0.80 MM, Sealing Speed: 0-16m/min.

This sealing machine fits different seal assembly lines with its stable and efficient performance.

CONVENIENT PRINTING - This auto sealer is equipped with a embossing wheel, can seal all kinds of length size, and have different sealing pattern effects. Meanwhile, it can print date, remark, time, logo simultaneously with the sealing.

DURABLE MATERIAL - The continuous sealer has all-metal construction with durable electrostatic paint treatment.

The heating block and cooling block are made of pure copper. This premium material is solid and more wear-resistant.

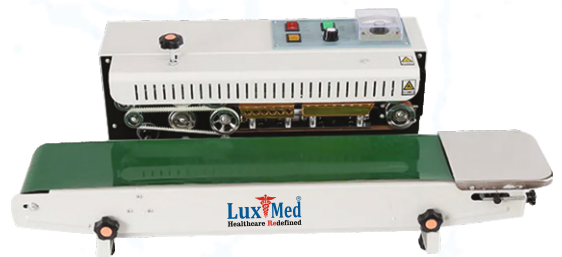
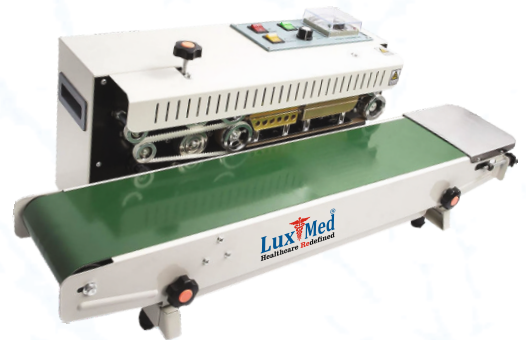
HUMAN-LM-FRIENDLY DESIGN - This auto sealer focuses on details. Easy-to-operate control panel. Buttons which can adjust height and pressure to meet different demands. And also two handles makes it a portable machine for users to move if necessary.

WIDE APPLICATION - This kind of seal machine is suitable for bags with thickness of 0.02mm-0.8mm on both sides, fit for the seal of plastic bag, aluminum foil bag, compound bag in the industry of the medicine, the agricultural chemicals, food etc.

Specification

Below are the parameters of our *Bag Sealer Machine*

Model No	Voltage	Sealing Power	Sealing Width	Sealing Width	Max Loading	Machine Size	Weight
LM-FR-770	"110/220V 50/60HZ"	600W	6-12mm	6-12mm	≤10KGS	895*420*345mm	25KGS
	"110/220V 50/60HZ"		6-12mm	6-12mm			
LM-FR-900	"110/220V 50/60HZ"	500W	6-12mm	6-12mm	3KGS	820*530*305mm	22KGS
LM-FRD-1000	"110/220V 50/60HZ"	680W	6-12mm	6-12mm	3KGS	925*505*940mm	39KGS
LM-FR-1100C	"110/220V 50/60HZ"	1200W	6-12mm	6-12mm	3KGS	1052*400*305mm	30KGS
LM-FR-1100V	"110/220V 50/60HZ"	1235W	6-12mm	6-12mm	15KGS	1243*580*1228mm	42KGS
LM-FR-1200V	"110/220V 50/60HZ"	1355W	6-12mm	6-12mm	15KGS	1371*580*1228mm	45KGS



Static & Dynamic Pass Box

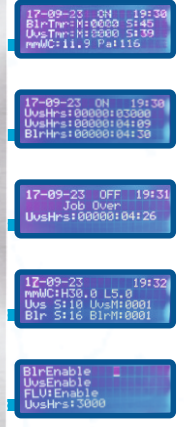
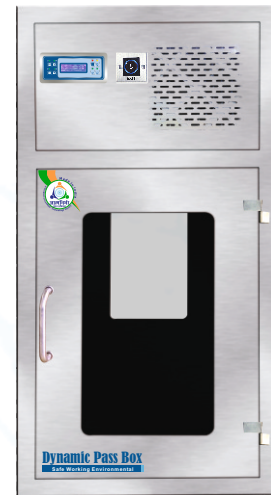
Safe Working Environmental

It is widely used in the place where the clean air is needed, such as micro technology, biological laboratory, pharmaceutical factory, hospital, food processing industry, LCD, electronic factory.

Pass box is used to transfer goods between rooms of different clean levels of clean room. It can reduce times of opening door, prevent the air convection between different rooms and minimize the pollution extent.

Models:

Type	AirShower Pass Box			PassBox		
Model	LMLMAS-01	LMLMAS-02	LMLMAS-03	LMPB-01	LMPB-02	LMPB-03
External size (W*D*H) mm	660*570*1000	760*670*1100	860*770*1200	660*570*580	760*670*680	860*770*780
Internal size (W*D*H) mm	500*500*500	600*600*600	700*700*700	500*500*500	600*600*600	700*700*700
Material	304 Stainless steel					
Interlock	Electronical					
UV Lamp	8W*1	15W*1		8W*1	15W*1	
HEPA Filter	Efficiency > 99.999% at 0.3um					
Clean air speed	0.36-0.54m/s					
Gross Weight(Kg)	80	100	125	55	70	90
Packing Size (W*D*H)mm	780*690*1190	880*790*1290	980*890*1390	780*690*770	880*790*870	980*890*970



Drying Cabinets HEPA-filtered

Single Door or Pass-through, left/right hinged door(s)

LuxMed® presents state-of-the-art means for drying by HEPA-filtered air. Special attention has been paid to the flexibility of use of the large volume chamber by providing purpose designed shelves and inserts for accommodating a variety of medical devices. The Programmable Logic Control system with advance User Interface & Display panel allows fixed and tailored cycles and easy follow-up of ongoing process status.

Models:

Model	LMS-T25	LMS-T50	LMS-T70	LMS-T100	LMS-T260
Capacity	25L	50L	70L	100L	260L
Temp. Range	RT+10-250°C				
Temp. Precision	0.1°C				
Temp. Fluctuation	±0.5°C				
Ambient Temp.	5-40°C				
Timing Range	1-9999min				
Shelves No.	2 pcs				
Consumption	500W	750W	1050W	1500W	2000W
Power Supply	AC110/220V±10% 50/60Hz				
Internal Size(W*D*H) mm	300*300*270	420*350*350	440*375*470	550*350*520	700*650*570
External Size(W*D*H) mm	590*470*440	710*520*520	540*550*870	840*540*720	990*830*770
Packing Size (W*D*H) mm	710*600*550	810*640*600	670*660*1040	950*680*880	1020*890*930
Gross Weight(Kg)	45	50	75	80	100

Features

- Sound & heat insulated
- Heat exchanger
- Single door or pass-through, left/right hinged door(s)
- Adjustment of the interval between retractable shelves
- Advance control panel & info display
- Temperature adjustment range 30-80 C,
- Time adjustment range 20-180 minutes / non-stop
- Cooling time range 1-30 minutes
- Temperature & remaining time indication
- HEPA- filter condition indication
- Double overheating protection



Drying Cabinets

Ensure Safe and Fast Drying

After cleaning and disinfecting medical devices, dry them in your CSSD LuxMed® drying cabinet: Single-door or pass-through, 4+4 shelves, accessories for various needs.

Application:

Hot air sterilizer is used to sterilize small surgical instrument, glass, petri dishes etc.

This device is suitable for medical and veterinary clinics, hospitals, pharmacies, health care centers, and laboratories.

Models:

Model	LMS-T25	LMS-T50	LMS-T70	LMS-T100L	LMS-T260
Capacity	25L	50L	70L	100L	260L
Temp. Range	RT+10-250°C				
Temp. Precision	0.1°C				
Temp. Fluctuation	±0.5°C				
Ambient Temp.	5-40°C				
Timing Range	1-9999min				
Shelves No.	2 pcs				
Consumption	500W	750W	1050W	1500W	2000W
Power Supply	AC110/220V±10% 50/60Hz				
Internal Size(W*D*H) mm	300*300*270	420*350*350	440*375*470	550*350*520	700*650*570
External Size(W*D*H) mm	590*470*440	710*520*520	540*550*870	840*540*720	990*830*770
Packing Size (W*D*H) mm	710*600*550	810*640*600	670*660*1040	950*680*880	1020*890*930
Gross Weight(Kg)	45	50	75	80	100

Features

- Adjustable sterilization time.
- Over-temperature alarm.
- Top air outlet with adjustable air volume.
- Heating us fast, forced-air convection, fast sterilization.
- High precision microprocessor temperature control; 304 stainless steel inner chamber.
- Fan inside, fully sealed inside, no air circulation with external air, temperature rise fast.



CSSD Furnitures

And Complete Turn Key Project

LuxMed manufactures Hospital Furniture like Cabinets, Trolleys, Sinks, Work Tables, Storage Shelves, Infusion Stands, Stools and more.

CSSD Rack

Size - 1200x600x1800 MM



Transport Trolley Closed type

Size - 585x1050x900 MM



Washing Station (Double Sink)

Size - 2300x700x900 MM

Transport Trolley Closed type

Size - 585x1050x900 MM



Passbox (Static)

Size - 600x600x600 MM



Work Table

Size - 1800x750x900 MM



Table Trolley with two shelves

Size - 750x500x900 MM



Control and Packing Table

Size - 2000x1400x900 MM

Images are only for references, we submit drawing as per CSSD site requirements



Ultrasonic Cleaner

Remove contaminants

About This Product

Industrial-Grade Cleaning Solution: This LuxMed® 30L Industrial Ultrasonic Cleaner is designed for heavy-duty cleaning tasks, suitable for various industries such as manufacturing plants, machinery repair shops, and food & beverage factories.

Multi-Frequency Capability: The cleaner features a frequency range of 28/40/68/120kHz and >120kHz, allowing for flexibility in cleaning different types of materials, including metal, coil, and plastic.

User-Friendly Design: The machine is equipped with a built-in generator and can operate continuously for 0-99 minutes, providing convenience for users who require prolonged cleaning sessions.

Durable Construction: The cleaner's tank is made of high-quality SUS304/SUS316 material, ensuring durability and resistance to corrosion, while the circuit board core component is also covered under a 1-year warranty.

Compliance with Global Standards: This product meets international standards, with a provided machinery test report and video outgoing-inspection, making it a reliable choice for users worldwide, especially for our customer from the US.

Applicable Industries

Hotels, Garment Shops, Building Material Shops, Manufacturing Plant, Machinery Repair Shops, Food & Beverage Factory, Farms, Restaurant, Home Use, Retail, Food Shop, Printing Shops, Construction works, Energy & Mining, Food & Beverage Shops, Other, Advertising Company, Electric Parts.



Feature	Continuous mode+Extra-Exciting PCB+Power adjustable+Heating					
Model	Capacity	Frequency	Ultrasonic Power	Heating Power	Tank Size	Unit Size
LB-USC-614	14L	28 or 40khz	0-300w	500w	300*240*200mm	400*300*380mm
LB-USC-820	20L	28 or 40khz	0-400w	500w	330*300*200mm	430*350*380mm
LB-USC-1030	30L	28 or 40khz	0-500w	500w	500*300*200mm	600*350*380mm
LB-USC-1240	38L	28 or 40khz	0-600w	1000w	500*300*250mm	600*350*480mm
LB-USC-1860	58L	28 or 40khz	0-900w	1000w	550*350*300mm	600*350*580mm
LB-USC-2480	78L	28 or 40khz	0-1200w	2000w	550*400*350mm	650*450*620mm
LB-USC-3613	130L	28 or 40khz	0-1800w	3000w	650*450*450mm	750*500*720mm
Tank material	304 stainless steel					
Tank thickness	T2.0mm					
Timer	1-99min adjustable					
Heater	20-80°c adjustable					
Drain valve	4					
Basket & Lid	standard equipped					
Voltage	AC 110V/220V					
Packing	wooden case					
Warranty	1 year					

Production Application

Applicable objects Main usages

- Watch and clock making
- Glasses making industry
- Electroplating industry
- Cleaning of precision mechanical
- Cleaning of metal parts
- Cleaning of optical glasses



Mould



Mechanical repair



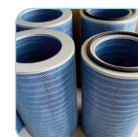
Hardware parts



Auto parts



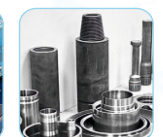
Experiment



Filter element



Electronics



Aviation vessel



Medical Waste Shredders

Safer & Easier Waste Disposal

The medical waste shredder uses a dual process to convert medical waste into non-category, ordinary waste which can then be disposed using the regular waste disposal system. LuxMed[®] shredder grinds the waste to fine particles before sterilization using Steam Sterilizer technology.

Medical waste shredders are used to reduce the volume and size of medical waste, making it safer and easier to handle, store, and dispose of, while also preventing potential reuse of sharps and other contaminated materials.

Here's a more detailed explanation of their usage:

Volume Reduction: Shredders physically break down medical waste into smaller, more manageable pieces, significantly reducing its overall volume.

Safety: Shredded waste is less likely to cause injuries or spills, and it is easier to transport and store.

Preventing Reuse: Shredding renders sharps and other medical items unrecognizable and unusable, preventing potential reuse and the spread of infections.

Disposal: After shredding, the waste can be disposed of using regular waste disposal methods, reducing the need for specialized handling and transportation.

Types of Waste: Medical waste shredders can handle a variety of materials, including sharps, plastics, fabrics, and other contaminated materials.

Disinfection: Some shredders are integrated with disinfection systems to further reduce the risk of infection.

Cost Reduction: Shredding can reduce the overall cost of medical waste management by lowering transportation and disposal costs.



The medical waste shredder uses a dual process to convert medical waste into non-category, ordinary waste which can then be disposed using the regular waste disposal system. LuxMed[®] shredder grinds the waste to fine particles before sterilization using Steam Sterilizer technology.

Common medical waste that needs to be shredded are:

Ampoule	Glucose bottle	Bloody bags
Blister packaging	Used needles	Syringe
Scalpel	Lancet	Catheter
Salt water pipe	Salt water bottles	Bandage
Dressing	Cotton swabs	The red bag
Expired or unused medicines	Abandoned gloves	Teat glass
Other medical waste		

Medical Waste Shredders - Model and Sizes

Model	Shredder Motor Power (HP)	Shredding Chamber Size (mm)
LM-SS-300-MS	5.5	510×300
LM-SS-400-MS	7.5	510×400
LM-SS-600-MS	7.5+7.5	510×600
LM-SS-800-MS	11+11	600×800
LM-SS-1000-MS	18.5+18.5	800×1000
LM-SS-300-SS	5.5	510×300
LM-SS-400-SS	7.5	510×400
LM-SS-600-SS	7.5+7.5	510×600
LM-SS-800-SS	11+11	600×800
LM-SS-1000-SS	18.5+18.5	800×1000

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Medical Waste Shredders

Safer & Easier Waste Disposal

LuxMed[®] Medical Waste Shredder Machine Hospital Hazardous Disposal Machine

The hospital waste shredder smashed and destroyed all hospital garbage to ensure complete infection and abuse of these medical waste treatment items. Shredder is an important part of medical waste treatment. The technical requirements for medical waste shredders are usually very high because medical waste contains not only a hard material such as glass and a small amount of metal, but also a soft material such as cotton yarn and clothes. The medical waste shredder system is designed to adapt to the stringent conditions of medical waste treatment, reduce the volume and size of medical waste after sterilization.

Bio waste shredder machine can usually be used alone or in combination with autoclaves or incinerators. hospital hazardous waste disposal machine can be used in individual institutions or in public treatment and disposal facilities. This also reduces a lot of waste and makes transportation easier. The waste is fed into a hopper that leads to a set of rotating blades/shafts that cut the waste into small pieces. These pass through the mesh and collect at the bottom. Larger particles retained on the screen pass through the tool again. The shafts or blades of these bio waste shredders do not often suffer from problems due to their slow motion and do not undergo wear and tear that should be replaced regularly.

Medical Waste Shredder Machine Hospital Hazardous Disposal Machine Description:

Comminution is a process in which waste is cut into small pieces so that it becomes an unidentifiable category. The common use of medical waste shredders are to destroy scalpels, blades, glass bottles, syringes, blood bags, catheters, intravenous infusion bottles or covers, bandages, gloves and other wastes. Eliminate opportunities for reuse of non-communicable biomedical waste and prevent misuse of used products. This machine can pulverize medical hazardous waste disposal in an efficient manner. It helps prevent the reuse of non-infectious biomedical waste and acts as an identifier that waste can be safely disposed of.

Medical Waste Shredder Machine Hospital Hazardous Disposal Machine Features:

1. Specially designed for the treatment of medical waste, with a high production capacity and a high degree of crushing automation.
2. Shredding machine system is composed of shredder, control cabinet, automatic tipping hopper, hopper and optional screw conveyor. Shredders have two shafts and special wear-resistant blades to crush and grind into unrecognizable fragments.
3. Rugged case that can last for more than 10 years without maintenance.
4. The blade is made of non-corrosive alloy steel, which can be reground many times to ensure the best shredding performance and easy maintenance and cleaning.
5. The equipment design allows easy and safe loading of materials through rugged hoppers and collection of chopped materials in containers to avoid spills and prevent flying particles and aerosols.
6. Fully automated, automatic feeding device can prevent infection caused by direct contact between human body and medical waste.
7. The shredding process is completed in a closed system. Shred without dust and smoke.
8. Low cutting speed, low noise.
9. Advanced discharge system design, avoid waste off and odor diffusion.
10. Final treated waste is not usable and cannot be identified.
11. Services can be provided to any medium-sized hospital, clinic or laboratory.



Single Roller Steam Ironing Machine

About This Product

This automatic Roller Ironer combines the advantage of the same type machines: Heavy duty construction, an attractive exterior, ease of operation, convenient service and smooth running, high efficiency ironing performance Features: Microprocessor control High productivity with minimum maintenance Highest water evaporation capacity Finger guard protection Safe and easy to install User-friendly control. Temperature and/or speed adjustable any time Frequency inverter Easy access to all components Standard automatic cool down Optimized exhaust system.

Features:

1. The flat ironer shall Dries and irons flat linen from a high spin washer extractor in a single operation
2. Be Suitable for rapid ironing of linen like Bed sheets, Pillow cover or flat sheet etc. Front feed and Rear Return Type, Variable Speed Control, Powder coated outer body.
3. Be able to Dries and irons flat linen from a high spin washer extractor in a single operation be robust with rolls driven by inverter
4. Have high temperatures resistant Nomex quality ironing belts or equivalent
5. Digital control with variable speed of Roller through VFD
6. Panels can be made in skin plate and stainless steel
7. Be front feeding and return with built-in cool down system
8. Auto timed and Auto temperature control
9. Have emergency stop button
10. Roller - Machined with perforations throughout the length and periphery for moisture suction. 11. Roller should run on self-aligning ball bearings.
12. No. of Rollers- 1 (One). padded with heavy duty heat resistant Nomex/ Polyester
13. Drive - Heavy duty chain drive with spring loaded adjustable sprockets and equipped with Geared Box Motor
14. Main body - Made of steel sheet of 1.5 mm thickness with powder coating

Safety:

Start and stop of the machine with emergency switch. Automatic stopping of the machine for Finger guard Padding- Galvanized coil type/leaf type springs should be covered with heat resistant double layer Polyester Padding of minimum 900 GSM.

All wet materials and components is of AISI-304 Stainless steel or equivalent

All Stainless-steel components should be TIG welded and highly polished.

In-built Control Panel and Motor and heating

It has Fumes circulation circuit from the bottom for reducing energy consumption with steam duct with filter to outside

Power supply shall be 380V, 50Hz

Pre-installation works shall be contractor responsibilities



Single roller steam ironing machine

Single roller steam ironing machine	
Model	LM-SIM-3000
Ironing scope	0 meter to 3.0 meters
Drum quantity	1
Drum size	800mm*3000mm
Invert Power	1.5kw
Ironing speed	10m/minutes
Electricity heating power	20kw
Steam consumption	60kgs/h
Motor power	0.75kw
Over all dimension	4040*1440*1400
Weight	900kg



Vacuum Ironing Table



Product Feature vacuum ironing table is an accessory product for washing machine, compared with common vacuum ironing table, it has a pedal switch and round head for easy operation, the new structure is more reasonable and ideal. This Ironing Table has function of vacuum suck and the table is also able to blown wind This Ironing table is foot operated.

Specification :

Model	LM-ITA14-1	LM-ITA14	LM-ITF15	LM-ITF18
Dimension of the table mm	1400*750*150	1400*750*150	1500*800	1800*900
Power V	380/220	380/220	380/220	380/220
Motor power W	370	550	550/2p	370
Pressure of air Pa	<=-150	<=150	<=150	<=150
Noise dB	<=72	<=72	<=72	<=72
Net weight Kg	65	98	81	81
Over all dimension	1210*900*960	1510*900*960	1810*900*880	1510*900*960
Note	1- The mold is connected to the ironing table by Plastic parts 2- With function of Vacuum suck 3- Foot operated with mold head	1- The mold is connected to the ironing table by steel part 2- With function of Vacuum suck 3- Foot operated with mold head	1- The mold is connected to the ironing table by steel parts 2- With function of Vacuum suck 3- Foot operated with mold head 4- Ironing table With blown function	1- The mold is connected to the ironing table by Plastic parts 2- With function of Vacuum suck 3- Foot operated



Clothes Tumble Dryers

Quick Drying & Remove Moisture

30kg Commercial Clothes

Tumble Dryers Tumble dryer, tumbler dryer, industrial drying machine, laundry machine, laundry dryer, laundry equipment, textile dryer, jeans dryer, uniform dryer. The machine's drum is made of stainless steel, and it is totally automatic. And also the machine has the facility of cooling that would be very safe for the operator. The machine which capacity is range from 30 kgs to 100kgs are mainly for hotels, laundries and hospitals and the machine which capacity is range from 100kgs to 150kgs is mainly for textile factory, leather factory if you are interested in our machine, please not hesitate to leave us a message and we will response to it in time. 30kg Best Price Fabric, Linen, Garment, Cloth Commercial Clothes Tumble Dryers. Tumbler dryer is perfect machine to do drying job of the towels, bed covers and so on for laundry shops, hospitals and hotels. This machine will work together with washer extractor or industrial washing machine to make the fabric 100% dried by hot air. The drum is made from high-quality stainless steel, we can also make the machines covered by all stainless steel. Tumble dryer's outer cover painting is polished and heated, that makes the machine looks much perfect. Can be heated by electricity or steam that 15kg 30kg 50kg dryer can heated by either steam or electricity, but the dryer 100kg can only be heated by steam. Big-size door is adopted for convenient fabric feeding and taking as well as transparent toughened glass is equipped for convenient view of fabric drying condition.

A clothes dryer, also known as a tumble dryer, is a household appliance that uses heat and a rotating drum to remove moisture from laundry, offering a quick and convenient way to dry clothes, bedding, and other textiles.

Here's a more detailed explanation of tumble dryer usage:

How it works:

The dryer heats air, which is then circulated through the rotating drum containing the clothes, evaporating the moisture and leaving the garments dry.

Benefits:

Speed and Convenience: Tumble dryers significantly reduce drying time compared to air-drying, especially in humid or cold weather.

Hygiene: Dryers can kill germs and bacteria, contributing to cleaner laundry.

Softness: The tumbling action can leave clothes and towels softer than air-drying.

Reduced Wrinkles: Clothes can be dried and folded or hung up straight from the dryer, potentially reducing the need for ironing.

Tips for optimal use:

Load Size: Avoid overloading the dryer, as this can lead to slower drying times and potential damage to the machine.

Sorting Clothes: Separate items based on fabric type and drying requirements (e.g., delicates, towels, jeans).

Lint Screen: Regularly clean the lint screen after each use to ensure efficient air circulation and prevent potential fire hazards.

Dryer Sheets: Follow the manufacturer's recommendations for dryer sheet usage to avoid wax buildup on the lint screen.

Avoid Overdrying: Overdrying can damage fabrics and make them feel stiff, so monitor the drying time and remove clothes when they are dry.

Types of Dryers:

Vent dryers: These dryers exhaust hot, moist air outside through a vent.

Condenser dryers: These dryers trap the moisture in a reservoir, making them suitable for apartments or homes without an outside vent.

Heat pump dryers: These dryers are more energy-efficient than traditional dryers by recycling the heat from the air.

Specification :

Model	LM-TML-15	LM-TML-30	LM-TML-50	LM-TML-100	LM-TML-120	LM-TML-150	LM-TML-200
Rated Capacity	15kg	30kg	50kg	100kg	120kg	150kg	200kg
Drum Dimension (mm)	760*560	900*750	1050*930	1320*1055	1470*1055	1600*1150	Φ1300*2150
Drum Speed (rpm)	33r/min	33r/min	33r/min	33r/min	33r/min	28r/min	33r/min
Electric Heating Power	12.6kw	16.2kw	27kw	----	-----	-----	-----
Motor Power	0.75kw	1.1kw	1.5kw	2.2kw	3kw	4kw	3kw
Fan power	0.75kw	1.1kw	1.1kw	1.5kw	1.5kw*2	1.5kw*2	2.2kw
Overall Dimension (mm)	800*1020*1530	1000*1400*1800	1190*1670*2100	1480*1840*2380	1660*1840*2470	1760*2000*2730	2650*1630*2720
Overall Weight	250kg	600kg	800kg	980kg	1100kg	1300kg	1300kg



Washer Extractor

Efficiently Extract Water & Reduce Drying Time

The automatic washing machine washer extractor is specially designed for hotels, hospitals, laundry rooms, and laundry factories, which integrates laundry and dehydration. The capacity of the machine is 15kg, 20kg, 30kg, 50kg, 70kg, 100kg.

The machine has the following characteristics

1. Adopt suspension shock absorber structure, the shock absorption rate is more than 95%.
2. Safety interlocks to ensure operator safety.
3. stainless steel 304 laundry drum, stainless steel outer plate, to ensure the service life of the machine.
4. Light touch computer board, large-screen LED display and friendly operating system ensure user-friendly operation.
5. With automatic detection function, even if you know the usage status of the device.
6. Equipped with advanced frequency conversion speed regulation system, frequency conversion motor, advanced structure, energy saving and power saving.
7. Adopt back drainage, soft connection, no foundation, easy installation.
8. Using high-quality components, safe and reliable.

Washer Extractor -25kg

This machine will be a wise choice for many institutions, such as nursing home, hotels and athletic departments. Our efficient, durable commercial laundry equipments and laundry finishing machine are here to meet your demanding needs.

The new Micro computer Control washer-extractors offer our customers with easy programming, and us energy savings compared. Owners will be impressed with the water savings they achieve and the operation. The easy-to-use controls and flexibility of the pre-programmed cycles will be a hit with add an extra wash, rinse or choose both to create a personalized wash cycle based on their individual needs. The large LED display that leads the user through the washing process.

A washer extractor is a commercial washing machine designed for high-volume laundry processing, particularly in industries like hotels, hospitals, and fire departments, that uses high-speed spinning to extract water from clothes, reducing drying time and energy consumption.

Here's a more detailed explanation of washer extractor usage:

Key Features and Benefits:

High-Speed Extraction: Washer extractors utilize high-speed centrifugal force to remove water from laundry, significantly reducing drying time compared to traditional washing machines.

Large Capacity: They are designed to handle large loads, making them ideal for businesses with high laundry needs.

Energy and Cost Savings: By removing more water during the washing process, washer extractors reduce the amount of energy required for drying, saving time and money.

Industrial Applications: They are commonly used in industries that require large-scale laundry processing, such as hotels, hospitals, laundromats, and fire departments.

Durable and Reliable: Washer extractors are built to withstand heavy use and are designed for long-term reliability.

Easy to Use: They are straightforward to operate and can be programmed to accommodate various laundry needs.

Specialized Cleaning: Some washer extractors are designed for specialized cleaning needs, such as removing contaminants from firefighter turnout gear.

How it Works:

1. **Washing:** The laundry is loaded into the washer extractor, and the machine fills with water and detergent.
2. **Agitation:** The drum agitates the laundry to clean it.
3. **Extraction:** The drum then spins at high speed, using centrifugal force to push the water through the drum walls and out of the laundry.
4. **Drying:** The laundry is now significantly drier than after a standard washing machine cycle, reducing the time needed for drying.

Industries that Use Washer Extractors:

Hotels and Resorts: For processing large quantities of linens and guest towels.

Nursing Homes and Assisted Living Facilities: For processing large amounts of laundry.

Hospitals and Healthcare Facilities: For cleaning patient gowns, linens, and other medical textiles.

Laundromats: For commercial laundry services.

Fire Departments: For cleaning firefighter turnout gear and other protective equipment.

Textile and Garment Industries: For cleaning and preparing fabrics.



tremendous benefits to their customers. They can appreciate

Specification :

Model	LM-WES--100F	LM-WES--50F	XGQ-30F	LM-WES--20F	XGQ-15F
Rated Capacity	100kg	50kg	30kg	20kg	15kg
Drum Dimension	1200*840	1080*600	820*550	700*480	650*440
Motor Power	7.5kw	4kw	3kw	2.2kw	2.2kw
Cleaning Speed	30rpm	30rpm	38rpm	38rpm	40rpm
Extracting Speed	650rpm	750rpm	800rpm	850rpm	900rpm
Steam Pressure	0.4-0.5 Mpa	0.4 to 0.5 Mpa	0.4-0.5 Mpa	0.4-0.5 Mpa	0.4 to 0.5 Mpa
Inventor Power	11kw	4kw	4kw	4kw	3kw
Electricity Heating Power	-----	36kw	24kw	22kw	12kw
Water Inlet	1 1/2" & " ;	1 1/2" & " ;	1 1/2" & " ;	1 1/2" & " ;	1" & " ;
Steam Inlet	1" & " ;	1" & " ;	3/4" & " ;	3/4" & " ;	3/4" & " ;
Chemical Inlet	1/2" & " ;	1/2" & " ;	1/2" & " ;	1/2" & " ;	1/2" & " ;
Overall Dimension (mm)	1600*1870*2000	1400*1600*1820	1100*1300*1600	1130*1000*1420	950*1000*1470
Weight (kgs)	2800	2000	890	890	500kg



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Barrier Washer Extractor

Laundry Process Designed for High-Hygiene Environments

Barrier washer extractors are specifically designed for healthcare and other high-hygiene environments to prevent microbiological contamination during the laundry process by separating dirty and clean laundry with a physical barrier and dual doors.

Work shop of High Spin Chlorinator Washer Extractor BW-30kg Wash & Dry 2 in 1

Features and Benefits:

- Parts in contact with water made of high grade stainless steel 316L withstand high ppm chlorine water last much longer than any plastic or fiberglass products (Upgradable to Duplex Stainless Steel SS2205).
- Trouble-free Industrial designed shaft and bearing design with strong casted bearing housing.
- Compact design with large diameter drum, saving installation space and also give better agitating effect for chlorinating process.
- Separated compartment with automatic positioning for easy unloading at a slope position, saving time and reduce labor fatigue significantly.
- Tight-seal door allow more water filling, maximize chlorine water filled in contact with gloves with better soaking effect, also eliminate chlorine gas escape for better environment protection.
- Small gap between inner drum and outer drum save chlorine water with same amount of water in contact with processing gloves.
- Fully programmable touch screen computer up to 99 programs allows maximum flexibility to adjust and achieve best possible result for different process requirement.
- Large exhaust connection for chlorine gas release protect working environment.
- Air bags suspension system with high extract, saving cost and floor space for additional hydro-extractor, saving time and labor, as well as energy and time for drying.
- Inverter drive allows variable rotation speed setting gives even better processing result to meet requirement from different customers need.

Barrier washer extractors are industrial machines designed to prevent microbiological contamination during laundry processing by separating dirty and clean laundry through a dual-door, wall-mounted design, ensuring optimal sanitation in healthcare and other sensitive environments.

Here's a more detailed explanation of their usage:

Key Features and Functionality:

Dual-Door Design: The machine has two doors positioned on opposite sides of a wall, allowing for loading of soiled laundry on one side and unloading of clean, sanitized laundry on the other.

Physical Barrier: The wall-mounted design creates a physical barrier, preventing direct contact between dirty and clean laundry, minimizing the risk of cross-contamination.

Hygiene and Sanitation: Barrier washer extractors are specifically designed to meet high hygiene standards in industrial cleaning, particularly in healthcare settings.

High-Speed Extraction: These machines incorporate a high-speed extraction cycle to efficiently remove excess water from the laundry, reducing drying time and energy consumption.

Programmable Cycles: Many models offer programmable wash cycles to accommodate various fabric types and contamination levels, ensuring effective cleaning and sanitization.

Data Management: Some models offer data management features, allowing for tracking of wash cycles, energy consumption, and other relevant data.

Applications:

Healthcare Facilities: Hospitals, clinics, and other healthcare settings use barrier washer extractors to ensure the safe and hygienic processing of patient linens and medical textiles.

Pharmaceutical Industry: These machines are crucial for maintaining sterile environments in pharmaceutical manufacturing facilities, handling cleanroom garments and sensitive materials.

Biotech Laboratories: Barrier washer extractors are used for cleaning and sterilizing lab coats, towels, and other materials used in biotech research.

Cleanroom Environments: They are essential for processing cleanroom garments and equipment, ensuring particle-free cleaning in industries like semiconductor manufacturing and aerospace.

Other Sensitive Environments: Barrier washer extractors are also used in food processing plants, nuclear power plants, and other facilities where extreme dust and germ-free environments are required.



Specification :

Model	LM-BEW-20	LM-BEW-30	LM-BEW-50	LM-BEW-100
Maximum Capacity kg	20	30	50	100
Inner Drum D×L (mm)	Φ 730×490	Φ 900× 500	Φ 970×720	Φ 1200×890
Motor Power (kw)	2.2	4	5.5	11
Washing Speed (rpm)	35	35	35	32
Rotation (rpm)	70	70	70	65
Extracting Rotation (rpm)	440	400	370	350
Fast Speed Rotation (rpm)	920	800	750	750
Steam Inlet (mm)	DN20	DN20	DN20	DN25
Water Inlet (mm)	DN40	DN40	DN40	DN50
Drain (mm)	Φ 89	Φ 89	Φ 89	Φ 140
Water Pressure (Mpa)	0.2-0.3	0.2-0.3	0.2-0.3	0.2-0.3
Steam Pressure (Mpa)	0.4-0.6	0.4-0.6	0.4-0.6	0.4-0.6
Air compressor Mpa	0.4-0.5	0.4-0.56	0.4-0.5	0.4-0.5
Water Consumption (kg)	300	450	700	1650
Steam Consumption (kg)	15	25	45	50
Electricity Heating Power (Kw)	18	24	36	48
Overall Dimension (Front Back) mm	1250 (1300)	1400 (1450)	1500 (1550)	1720 (1770)
Overall Dimension (Left Right) mm	1360 (1440)	1370 (1450)	1640 (1720)	1810 (1890)
Overall Dimension (Height) mm	1690 (1840)	1800 (1950)	1880 (2030)	2150 (2300)
Weight (kg)	800	1140	2000	3000
Power Supply V/Pn/Hz	380/3/50	380/3/50	380/3/50	380/3/50

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Instrument Washer Disinfecter

Single Door or Double Door for Pass-Through Application

LuxMed[®] Washer-disinfecter offers maximum performance in the smallest possible space thanks to its compact dimensions. Available as a 1-door and 2-door variant, the machine is quiet and comes with a large display for intuitive and easy operation. The LuxMed[®] Washer-disinfecter has been developed for the thorough reprocessing of large quantities of medical devices, such as general surgical and MIS instruments, anaesthetic materials, ophthalmological instruments, containers, receptacles, bowls, basins, OR shoes and other utensils. All of this in the proven MMM quality.

A frontal loading, swing door washer disinfecter, with a load capacity up to 8 DIN 1/1 mesh trays. An integrated system for the validated treatment of instruments used in surgeries and sterilization centres. The Washer Disinfecter is available in two versions: single door or double door for pass-through application. Ergonomic design of the door level height allows to the user a convenient loading/unloading job with the support of a manual transfer trolley. The filtered forced hot air drying system ensures a perfect drying of all instruments and tubes after disinfection thanks to an efficient distribution of air on all chamber parts and wash cart levels.

Features:

- High safety and easy to use soft touch control system on glass panel with LCD colour display to visualize cycle status.
- 20 standard pre-programmed cycles available and 20 additional cycles available for customization.
- RS 232 port for printer connection to monitor and validate washing phases.
- High visibility full glass door.
- Filtered forced air drying system with adjustable time and temperature settings, helps to ensure the complete inside and outside drying of all the surgical instruments and tubes.
- The built-in water softener provides optimal cleaning effectiveness.
- Washing and DI disinfection temperature are fully adjustable up to 93°C. Temperature is monitored by two independent sensors.
- Standard steam condenser eliminates vapours from entering into the washing area.
- Heavy washing pump ensures high water flow rate combined with effective spray pressure.
- Washing/drying injection system.
- Inner cabinet, washing arms and tank filters entirely made of high quality AISI 316L stainless steel. Frame and body of machine made of AISI 304 stainless steel.
- Triple water filtering system ensure to capture residue, preventing recirculation of contaminated material.
- Two standard automatic liquid dispensers provided with level control.
- Large storage on the basement to allocate up to three 5 lt (1.32 Gal US) chemical containers.

Optional:

- LuxMed[®]-sliding-door
- 3rd and 4th Chemical dosing pump
- HEPA H14 air filter
- Conductivity sensor
- Integrated printer St2
- Light inside chamber
- Sump steam heating
- Additional chemical dosing monitoring
- Ethernet connection
- Analogic sensor on washing circuit for pressure check (registered data)
- USB port
- Boiler to pre-heat DI water (into fully dedicated bottom basement)



Instrument Washer Disinfector

Single Door or Double Door for Pass-Through Application

Washer disinfectors are used for the automated cleaning and disinfection of medical instruments and devices, ensuring thorough cleaning and preparing them for sterilization or further use.

Here's a more detailed explanation:

Purpose: Washer disinfectors are essential for maintaining hygiene and safety in healthcare settings, particularly in hospitals, clinics, and dental practices.

Function: They automate the cleaning and disinfection process, which is more efficient and effective than manual cleaning.

How they work: Pre-wash: Removes loose debris and contaminants.

Wash cycle: Uses detergent and mechanical action to remove dirt and organic matter.

Rinse: Removes detergent residue.

Thermal disinfection: Uses high heat (e.g., 90°C) to kill microorganisms.

Drying: Ensures instruments are dry before storage or further processing.

Benefits:

Improved cleaning efficiency: Washer disinfectors provide a more thorough and consistent cleaning process than manual methods.

Reduced risk of infection: By effectively cleaning and disinfecting instruments, they minimize the risk of healthcare-associated infections.

Time and labor savings: They automate the cleaning process, freeing up staff time for other tasks.

Standardized processes: They ensure that instruments are cleaned and disinfected according to established protocols.

Types of instruments cleaned: Washer disinfectors can clean a wide variety of medical instruments, including surgical instruments, endoscopes, dental instruments, and laboratory glassware.

Maintenance: Regular maintenance and validation of the washer disinfector are important to ensure its continued effectiveness.



Specification :

Outside Dimensions (W x D x H): 25.59" x 25.98" x 66.34" (650mm x 660mm x 1685mm)	
Volume Gal. / Liter ~ 58.12 Gal / 200 Liters	
Basket volume ~ 44.90 Gal US / 170 Liters	
Dimensions and Connections	DS 600
Standard electrical connection (International)	400V/3~+N/50Hz
Optional electrical connection (North America)*	208V/3~+N/60Hz or 480V/3~+N/60Hz
Power**	8250 W
Pump Power	750 W
Noise	56 dB(A)
Permitted room temperature	+5°C/41°F - +40°C/104°F
Dryer Blower	up to 150 m ³ /h - 5298 ft ³ /h
Dryer Heating	4000 W
* other electrical connections also available as optional	
** with electrical heating elements - washing chamber steam heating configuration available as option	



CERTIFICATION



ISO 13485:2016: Medical devices - Quality management systems - Requirements for regulatory purposes.



FDA: FDA Regulatory Guideline for Scientific and Medical Instruments.



CE Certification: Medical Council Directive 93/42/EEC.



RoHS – 2011/65/EU : Restriction of Hazardous Substances Directive (RoHS) – 2011/65/EU.



ISO 9001:2015: Quality Management System.



WHO-GMP : (Good Manufacturing Practice).



Environmental Management System



IEC 60601-1:2005/AMD1:2012: Medical electrical equipment - Part 1: General requirements for basic safety and essential performance.



IEC 61010-1:2010: Safety requirements for electrical equipment for measurement, control, and laboratory use.



ISO 14001:2015: Environmental Management System.



ISO 14644-1:2015: Cleanrooms and associated controlled environments.



EN 12469:2000 : Biotechnology Performance criteria for microbiological safety cabinets

ACCREDITATION



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