

Washer Thermodisinfector
Matachana MAT LD1000

Maximum efficiency, shortest time

The new generation of MATACHANA washers thermodisinfectors responds to the need to guarantee maximum efficient processes with reduced time to increase the productivity of the facilities.

We have set ourselves the challenge of **Revolutionizing** the market and we are sure we have succeeded.

With the ecology as banner we have achieved the highest perfection in the process operation. By optimizing and redesigning circuits, flows, energy and water consumption have also been reduced. Cycle time has also been minimized.

The reduction of the amount of water required has a direct effect on a lower consumption of chemicals, and on the reduction of waste released to the environment.

The sum of the above factors allows us to obtain a much lower cost per cycle while safeguarding the environment.



Standard installation



Quality assurance

Our extensive implementation in the international market as well as the user's proactive approach with our vast commercial network, allows us to know first-hand trends and needs for improvement. Consequently, after more than 50 years of history, we remain at the forefront of technology.

MATACHANA new generation of washers thermodisinfectors are astonishing, not only due to their high processing capacity and small dimensions, but also because of their efficient energy and water consumption. They have managed to reconcile two usually opposing factors:

- preservation of natural resources
- cost saving



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MAT LD1000: You will be surprised!



NULLGAP installation

HIGH LOAD CAPACITY:

Up to 18 baskets of 1/1 DIN in 6 levels

HIGH PRODUCTIVITY:

Standard program duration 45 minutes (validated according to EN ISO 15883)

LOW WATER CONSUMPTION:

25 liters of water per phase ~ reduced chemicals consumption

ACCURACY:

Dosing monitoring with flowmeters

EASY OPERATION:

EasyRUN user interface and 7" touch screen

WORKPLACE ERGONOMICS:

750 mm load height

LOW SOUND LEVEL:

< 60 dBA

ULTRA-COMPACT SIZE:

Only 820 x 940 mm surface

MAINTENANCE ACCESS ENTIRELY FRONTAL:

Installation under NULLGAP format: Equivalent to 2 MAT LD1000 washers in less than 2 meters wide

Washer Thermodisinfectior
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45 minutes

0 minutes

Drying

Prewashing

Thermodisinfection

Rinsing

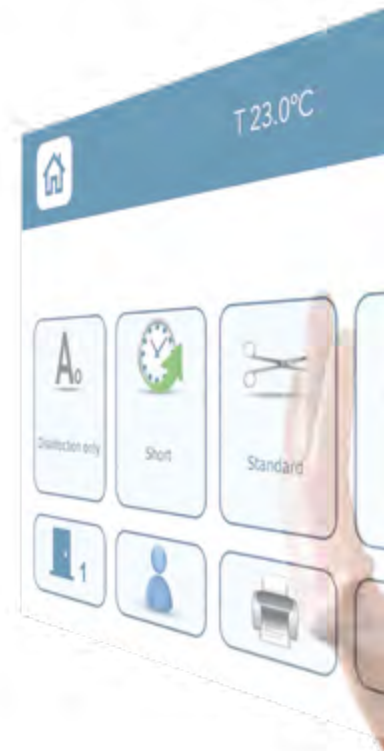
Washing

All this, and
a whole lot more!

MAT LD1000

Equipment included as standard

- Built-in main switch
- Automatic washing pressure control
- Double LED lighting inside the chamber
- Fully integrated touch screen on the front panel
- Chamber and washing circuits made of AISI 316L stainless steel quality
- Easily removable wash arms for cleaning
- Automatic sliding doors with vertical shift towards the floor
- Double glass doors with High Shock Thermic treatment
- Two chemical dosing pumps with integrated level sensors and independent flowmeters
- Storage compartment containing four 10-liter cans of chemicals
- More than 40 different programs in memory
- Two water intakes: decalcified and demineralized
- High efficiency drying system
- Air HEPA filter H14
- Direct monitoring via web browser
- Remote service connectivity





MATACHANA EasyRUN

User friendly interface and own identity sign.

The new generation of MAT LD washers shares the user interface with our steam and low temperature sterilizers. The unified control simplifies user interaction with all our devices.

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Connectivity

It has already become actuality thanks to its numerous benefits, not only for the clinical staff but also for the integral management of the center itself.

Maximum compatibility with monitoring, traceability and management software installed in hospitals.

The new MAT LD1000 has its own connectivity that allows you to communicate directly to the machine through any web browser. This access allows the visualization of real-time process information, cycle logging, alarms, configuration, etc., as well as maintenance and tele-assistance functions.



MATACHANA EasyVIEW®

Our MATACHANA EasyVIEW® monitoring software enables complete control, registration and documentation of the washing and sterilization processes.



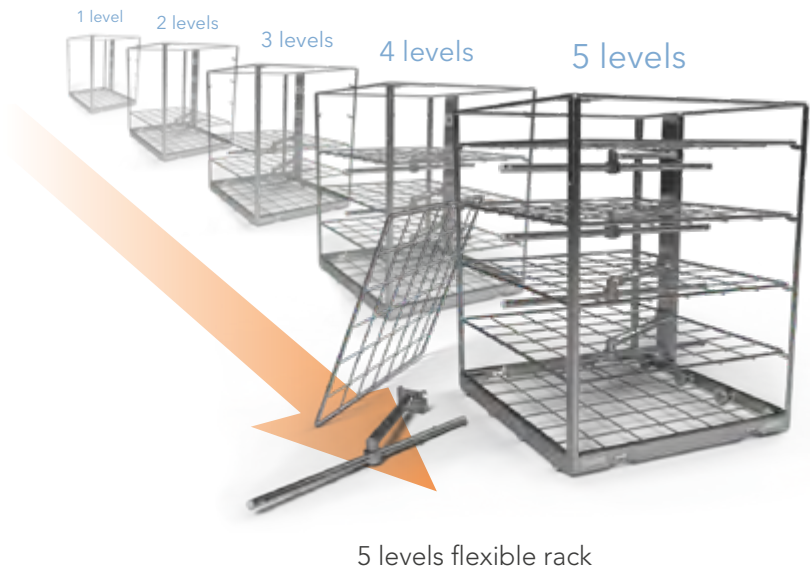
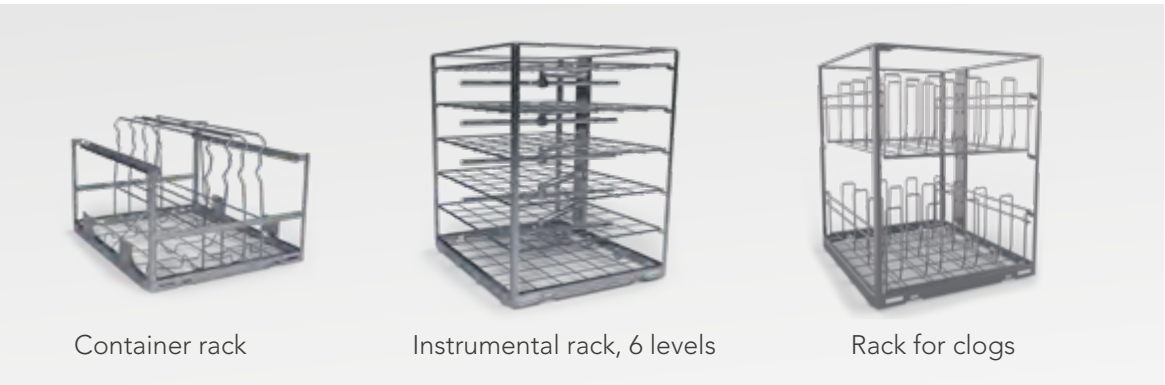
MAT LD1000 options

- Thermal printer
- 3rd and 4th chemical dosing pumps with integrated level sensors and independent flowmeters
- Integrated touch screen in unloading area
- Audible signal for alarms and end of cycle
- Conductivity sensor to ensure excellent rinsing
- Differential pressure monitoring on HEPA drying filter
- Load identification through RFID wireless technology
- Automatic cycle start in equipment with load identification
- Washing arms rotation monitoring
- Drain pump
- Drain cooling system
- Flowmeters for water intakes, allows to adjust the consumption to the minimum required for each process
- NetCom connection for external traceability systems
- Additional water intake
- Valve for exhaust systems with forced ventilation
- Blucondenser. Steam condenser with integrated energy recovery system
- High Speed module



MAT LD1000 complementary elements

Equipped with a wide variety of complementary elements, the MAT LD1000 washer offers solutions for all types of devices and facilities, including racks for instruments, microsurgery, anesthesia or laboratory equipment.





Da Vinci rack



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MAT LD1000 loading complementary elements



AL10 robotic loading/unloading system

LOGISTICS AUTOMATION

Robotic loading/unloading of the racks to the washer thermodisinfectors simplifying the logistics.

SMALL AREA

This solution, without fixed rails or structures, optimizes the spaces in the RUMED. The RFID load identification system transmits to the robot which washer is ready for the next cycle.

ERGONOMIC

In order to improve the work environment, this solution automatically compensates for possible differences in height between work tables and devices.

PRODUCTIVITY

It carries out the loading and unloading of the racks in a totally automatic way, allowing the staff to execute other tasks.

SMART PRIORITY

The automated AL10 system detects the washer thermodisinfectore free to be used and establish priority between normal and urgent loads.

SAFE TRANSPORT

The scanner and the 3D camera allow a safe movement of the robot through the RUMED, avoiding collisions with users and furniture.

PARKING

Depending on the workflows, the robotic system picks up the empty racks from the pass-through chassis and returns them to the washing area.

EFFECTIVENESS

The AL10 robotic system has the capacity to manage from 1 to 8 devices in line.





Technical specifications MAT LD1000

Overall dimensions (mm):

| | |
|--------|------|
| Width | 820 |
| Height | 1985 |
| Depth | 936 |

Dimensions of the chamber (mm):

| | |
|--------|-----|
| Width | 705 |
| Height | 690 |
| Depth | 850 |

Usable volume of the chamber (liters) 413

Total volume of the chamber (liters) 492

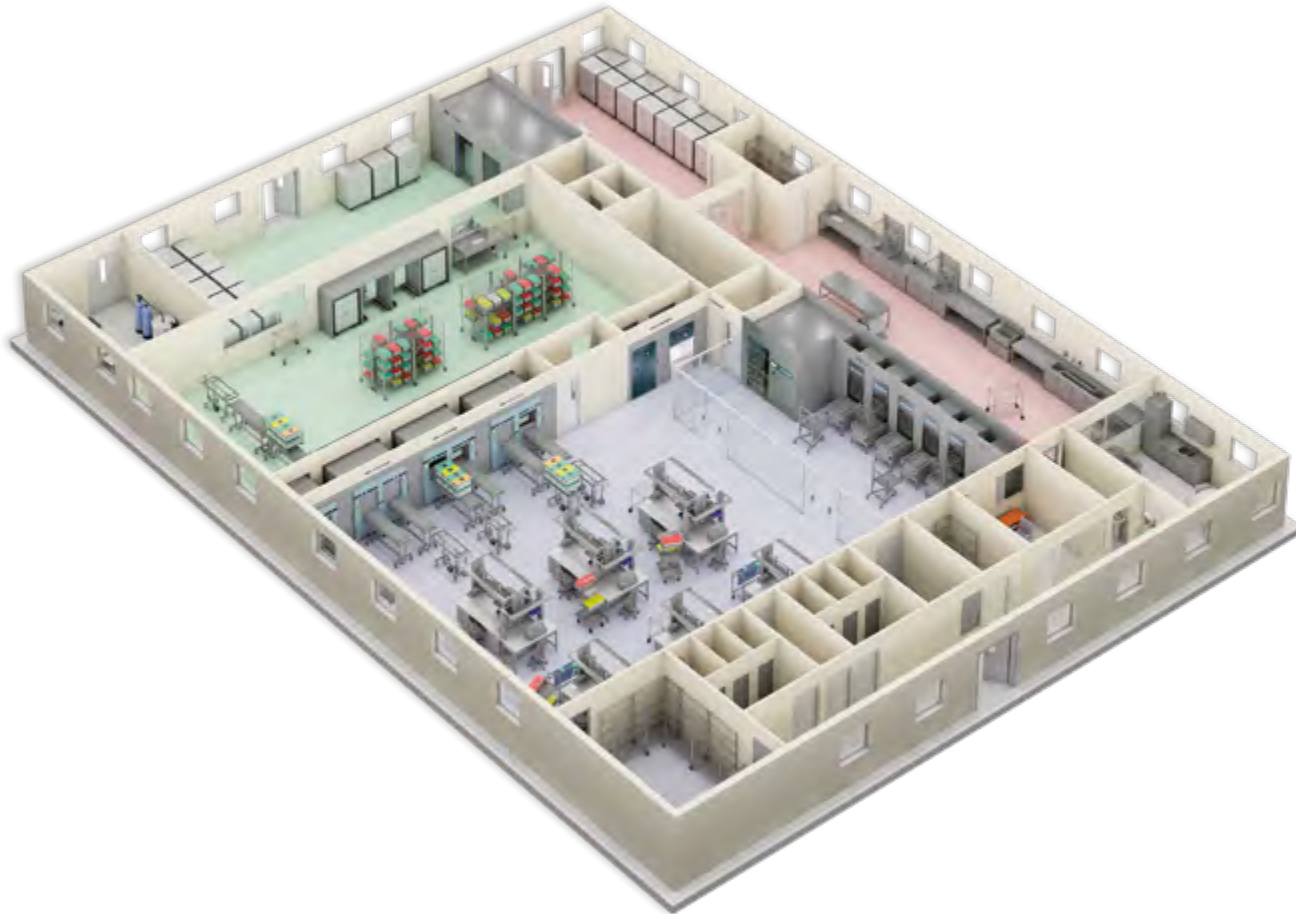
Capacity 18 baskets DIN
6 containers 600 x 300 x 150 mm, including lid

Sound level < 60 dBA

Power 24 kWh

Power supply 3~N x 200-400V 50/60Hz

MATACHANA integral solutions for sterile processing departments



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| Project briefing | Design | Installation | Training | Technical support |
|--|---|--|--|--|
| <p>Our sales advisors collect all the information about your business requirements. No matter the size of your facility or area of activity, from this initial phase we consider all variables of your professional activity for the project definition.</p> | <p>The planners from our Competence Center specialized by sector of activity, are liable for planning and designing complete installations taking into account your productivity needs and building requirements.</p> | <p>Our Technical Assistance Service performs the equipment installation and commissioning, ensuring the installation & operation qualifications, performance of devices.</p> | <p>For optimal performance of the installation, our technical team also offers customized training and consulting. We offer the support from our clinical specialists, from the standpoint of the users.</p> <p>MIIEC <small>Matachana International Education Center</small></p> | <p>Finally, through our maintenance programs our Technical Assistance Service is fully responsible for the proper operation of the installation. Its team is highly qualified to give a rapid and effective response to any incident, directly or through the network of distributors and dealers.</p> |



Innovation is the way forward

Since the company's foundation more than 50 years ago, our mission has been to provide the best service, bringing our knowledge and field experience to our customers to facilitate their daily work, allowing them to be efficient in the production whereas keeping rigorously the quality.

MATACHANA has a worldwide presence, with offices based in Spain, France, Germany, Italy, United States, Argentina and Malaysia, or through its distributors in over 110 countries.

In MATACHANA we are aware that Training and Service contribute decisively to achieve customer satisfaction. For this reason, we have always invested in the development of these two areas of activity, which enables a direct contact with customers and help us to develop together a continuous improvement process.

Technical Engineering Support

An assistance provided by engineers, highly skilled expert technicians and support staff, all committed to ensure the proper equipment operation and condition.

MIEC, training center

As we feel seriously committed and liable for achieving the optimum operation from the MATACHANA equipment, we invest in the training of future users, proposing a service of educational courses to all our customers on a regular basis and in the 5 continents.

Environmentally friendly

The devices are designed and manufactured using the latest technologies on the market to achieve the best results in terms of energy savings and reduction in water consumption. Our Production Center located in Castelldefels (Barcelona) complies with the ISO 14001 Environmental Management System and ISO 50001 Energy Management.

Quality

The MATACHANA devices are developed, manufactured and tested within a strict quality control according to the international Standards ISO 9001 and EN ISO 13485 for the quality management of medical devices.

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