

TRUSTED STERILIZATION SAFER DENTISTRY

DENTAL AUTOCLAVES FOR EVERY PRACTICE



RELIABLE
STERILIZATION



MAXIMUM
SAFETY



ADVANCED
TECHNOLOGY



BUILT FOR
DENTISTS



Setting the Benchmark in Medical Sterilization

German-Engineered B-Class Autoclaves for Uncompromised Infection Control

Sterilization is the backbone of safe medical practice, ensuring every procedure is conducted with the highest standards of hygiene and infection control. From gynecology, ophthalmology, ENT, and surgical centers to dental clinics, sterilization technology must be fast, reliable, and compliant with international medical regulations.

At **Unicorn Denmart**, we bring you **Melag's world-renowned B-Class Autoclaves** - the industry standard for superior sterilization. Designed and manufactured in Germany, these autoclaves are built to deliver precision, efficiency, and uncompromised safety for every medical specialty.

Why Choose a B-Class Autoclave Over Standard Sterilizers?

B-Class autoclaves represent the most advanced sterilization technology, meeting the strictest European (EN 13060) and US FDA sterilization standards. Unlike traditional sterilizers, B-Class autoclaves use fractionated pre-vacuum technology, ensuring:

- ✦ **100% Steam Penetration** – Eliminates all air pockets, effectively sterilizing even the most complex and hollow instruments.
- ✦ **Elimination of Bacteria, Viruses & Spores** – Provides a Sterility Assurance Level (SAL) of 10⁻⁶, ensuring complete sterilization with 99.9999% microbial kill rate.
- ✦ **Faster & More Efficient Cycles** – Reduces turnaround time for instrument reusability, optimizing clinical workflows.
- ✦ **Versatility Across Specialties** – Sterilizes solid, hollow, wrapped, and porous instruments with consistent, verifiable results.

Built for Performance & Ease of Use

- ✦ **Intelligent Touchscreen Interface** – Designed for quick, user-friendly operation.
- ✦ **Automated Sterilization Tracking** – Digital documentation ensures full compliance with medical and regulatory guidelines.
- ✦ **Energy-Efficient & Cost-Effective** – Optimized cycle efficiency reduces power consumption



Powerful class B vacuum procedure

for reliable sterilization according to EN 13060



High loading capacities

Sterilization of up to 6 kg on 5 trays in only 15 to 31 minutes



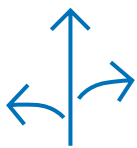
Intuitive operating concept

due to the Smart-Touch Display with LED status



Connectivity and data logging

of the sterilisation protocols via USB stick or network



Stand-alone device concept

With integrated water tanks for maximum flexibility



Energy saving mode Power Save

for top energy efficiency in daily practice



Quality made in Germany

developed, designed and produced in Berlin

MELAG

competence in hygiene

**UNICORN
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Behind The Best Indian Dentists

Vacuclave[®] 550



Great for the environment. Great for you.

 Quality – made in Germany

CE / EC EU / EN ISO 13485:2016

More space. More benefits. More WOW.

For big jobs.

With little effort.

MELAG shows what it means to reinvent sterilization over and over again: Thanks to the extra-large chamber and pioneering innovations, you'll be ready for all tasks with Vacuclave[®] 550. Discover the advantages of our new 50 liter autoclave for energy-efficient, time- and cost-saving sterilization of your instruments:

Options? Unlimited!

Your instruments deserve greatness: The new XL chamber design, record cycle times and high loading capacities offer maximum versatility - and even more space for instruments up to 25 kg & 16 trays.



Loves your instruments. And the environment.

Sustainability through innovation: Due to the patented heat Recovery, DRYtelligence[®] drying and water-saving Coolify Technology, Vacuclave[®] 550 is the best solution - for your budget and the environment!



And the best thing: You save money.


Offers more, demands less: Vacuclave[®] 550 is not only significantly cheaper to buy than two alternative small autoclaves, but also reduces ongoing operating costs for maintenance and validation.





Made in Germany. Made for You.

Future needs heritage: We have been developing, producing & optimizing our system solutions for instrument reprocessing at our headquarters in Berlin for over 70 years. MELAG stands for the art of engineering and production "Made in Germany" with the highest levels of quality.



Large chamber. Huge benefits.

Opens up new possibilities:
More instruments.
In shorter time.

Turn 2 into 1 - Compared to two alternative small autoclaves, Vacuclave[®] 550 ensures significantly more capacity with a 40 % smaller footprint. Discover our product highlights for the sterilization of the maximum number of instruments in the minimum amount of space in record time:



Impressive speed

Record operating times of just 12 minutes (excl. drying) and the highest quality of saturated steam – that's what the Double Jacket Technology stands for. A MELAG patent since 2012.



Uncompromising comfort

Definitely smarter! With the extra-large Smart-Touch Display, operation is as easy as using your smartphone.



Intelligent drying

DRYtelligence[®] makes for perfect drying results whilst shortening the drying time by up to 80 %.



Traceable documentation

Bye Bye sterilization logbooks! ProControl allows you to document the batch approval directly via the Smart-Touch Display without any extra software.



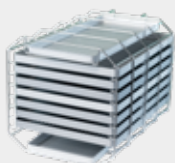
Outstanding capacity

More space for instruments up to 46 cm long: Sterilize a load of up to 25 kg on 16 trays or up to 10 MELAstore[®] Boxes.



All round flexibility:

We offer 3 loading options so that every practice or clinic can organize the workflow in the way that suits them best. With our optional slide system, we guarantee the highest level of ergonomics, safety and comfort during loading and unloading.



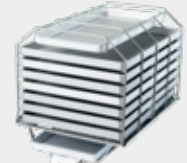
Mount Basic for up to 16 trays

for the sterilization of the maximum number of unwrapped and wrapped instruments



Loading slide for up to 10 MELAstore[®] Boxes

for convenient loading and unloading of the autoclave with sterilization containers



Loading slide with Mount Comfort for up to 16 trays

for maximum capacity & ergonomics when reprocessing individual instruments

The eco-friendly solution:

Save the planet. And over 10,000 €.

Vacuclave[®] 550 proves true greatness: The new 50 liter autoclave combines environmental protection with economy. Save electricity, water and thus a lot of money with our future-oriented innovations:

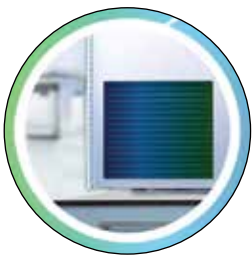
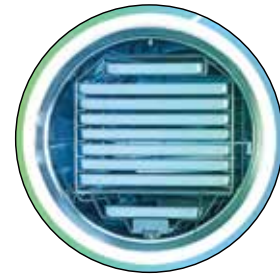


Recovery

The patented system for heat recovery deploys the heat from the used steam to generate new steam. The Recovery Technology not only reduces energy consumption by 15 % per cycle, but also heat dissipation into the decontamination room.

DRYtelligence[®]

Rely on perfect results: DRYtelligence[®] optimally adapts the drying process to your load. The intelligent algorithm reduces the drying time by up to 80 % – and thus saves a lot of time, money and energy.



Coolify

100 % reliability with 0 % cooling water – the patented Coolify Technology combines highly efficient air cooling with smart temperature monitoring. This allows you to enjoy your autoclave and the environment for a long time to come!

Power Safe

Vacuclave[®] 550 convinces with top energy efficiency during sterilization and in stand-by mode! Power Safe puts the heating and display into an energy-saving mode between sterilization cycles.





Deutsches Institut für Nachhaltigkeit und Ökonomie

**COMMITMENT TO
SUSTAINABILITY**

**SEAL OF
APPROVAL**
Investing in the
future

For your safety: Everything from one source.

The MELAG System Solution.

Your decontamination room – the place where you ensure patient safety!

Our washer-disinfectors, sealing devices, autoclaves and software solutions turn your dreams of optimized workflows into reality. The perfect interplay of MELAG System Solutions allow you to achieve greater time and cost-savings in instrument reprocessing.



Vacuclave[®] 550 – Unique as a product, unbeatable in a system:



✓ Packaging with **MELAseal[®]** or **MELAst[®]**



✓ Steam sterilization with **Vacuclave[®] 550**



Personal:
One central contact to answer all your instrument reprocessing questions



Efficiency:
Cost optimization by synchronizing the service of all devices in your decontamination room



Process-optimized:
Coordinated operating concept to avoid malfunctions in everyday practice



✓ Documentation & approval with **MELAtrace**[®]



✓ Marking with **MELAprint**[®] 80

Accessories for Vacuclave[®] 550

As versatile as your needs.

A variety of accessories enables you to assemble the configuration which best suits your needs. Ideally aligned to your workflow, Vacuclave[®] 550 maximizes safety and efficiency in infection control!



Loading

To make the best use of the sterilization chamber, we offer ideal loading systems for all application scenarios.

Mount Basic for up to 16 trays

- ✓ for 7 trays for Vacuclave[®] 550 and 2 long trays
- ✓ for 14 short and 2 long trays



Loading slide for up to 10 MELAstore[®] Boxes

- ✓ for 10x MELAstore[®] Box 100
- ✓ for 7x MELAstore[®] Box 200 and 1x MELAstore[®] Box 100



Loading Slide with Mount Comfort for up to 16 trays

- ✓ for 7 trays for Vacuclave[®] 550 and 2 long trays
- ✓ for 14 short and 2 long trays



Documentation

Vacuclave[®] 550 guarantees legally compliant documentation and approval with integrated USB and network interfaces.

MELAtrace[®]

ensures professional documentation, approval and traceability of the entire decontamination process.



MELAprint[®] 80

prints barcode labels for optimal instrument marking & traceability.



USB Stick

documents all Vacuclave[®] 550 sterilization logs quickly and easily on a digital storage device.





More capacity?

Our Cliniclave® 45 series ensures maximum flexibility with a capacity of one or two sterilization units (StU) as well as one or two door device version.



Water treatment

MELAdem® water treatment systems deliver high-quality demineralized water to protect both your autoclave and your instruments.

MELAdem® 47

is a powerful reverse osmosis system to supply Vacuclave® 550 with demineralized water.



MELAdem® 53

is a water treatment system with a very high capacity for Vacuclave® 550, MELAtherm® and up to two further devices.



Filling Pump

for water supply from an external tank with demineralized water



Further accessories

Our optional accessories enable a safe and time-saving sterilization and optimal care of your autoclave.

Chamber Protect

for careful cleaning of stainless- steel surfaces. The chamber cleaning set includes a powerful cleaner, 50 lint-free cloths and 1 microfibre cloth.



MELAcontrol® Helix

With 250 indicator strips provides reliable proof of your sterilization results.



MELAstore®

guarantees a packaging process with huge time savings through standardization as well as a reduction in material costs and practice waste.



Facts and figures at a glance

Technical specifications

Vacuclave[®] 550 guarantees fast sterilization of large quantities of instruments with a wide range of programs:

Programs*		Operating times (with minimum to maximum load) **	Drying	
			DRYtelligence [®] ***	Time-controlled
Universal-B	134 °C, Holding time: 5,5 min	13 – 43 min	> 4 min	13 min
Quick-S	134 °C, Holding time: 3,5 min	12 – 33 min	> 4 min	13 min
Gentle-B	121 °C, Holding time: 20,5 min	25 – 62 min	> 4 min	13 min
Prion-B	134 °C, Holding time: 20,5 min	28 – 58 min	> 4 min	13 min

* The programme parameters may differ due to country-specific regulatory requirements. Please refer to the user documentation.

** The times in 13-amp operation can be extended by up to 10 minutes

*** DRYtelligence[®] automatically adapts the drying process to your load. Thanks to intelligent drying, optimal drying results are achieved at all times.

Vacuclave[®] 550 can be installed quickly and easily as a table top autoclave in any decontamination room. The following list gives you an overview of the installation requirements:

	15 amp operation	13 amp operation
Order no.	ME10550	
Chamber size	ø 38 cm x 45 cm long	
Chamber volume	53 liters	
Loading quantity	25 kg unpacked, 11 kg packed, 17.5 kg with MELAstore [®] , 3.5 kg textiles	17,5 kg unpacked, 9 kg packed, 14 kg with MELAstore [®] , 2 kg textiles
Device dimensions (W x H x D)	63,6 x 59,0 x 71,5 cm height incl. display 65 cm device fits on a 60 cm table top	
Weight	98 kg (operating weight up to 127 kg)	
Power supply	220 – 230 V / 50 – 60 Hz	
Power consumption	3.400 Watts	2.700 Watts
Documentation interfaces	USB, Network	

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competence in hygiene

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Behind The Best Indian Dentists

Pro Line

A Legend Reborn



#1

A PROfound leap
of the world's best
selling autoclaves

NEW
as class S
autoclave

 Quality – made in Germany

CE / EC EU / EN ISO 13485:2016

Pro Line

TIME FOR A NEW ERA

Do you already know the Pro-Class autoclaves? Then you will love the new generation of MELAG devices - from their functions to their price! The all-new Pro autoclaves impress across the line: Astonishing performance, smart functions as well as a modern and extremely sturdy design open up new possibilities. We make no compromises when it comes to reliability and develop under the highest quality requirements at our headquarters in Berlin – since we know, an autoclave should never fail.



Made in Germany

Made in Germany. Made for You.

Future needs heritage: We have been developing, producing and optimizing our system solutions for instrument reprocessing at our headquarters in Berlin for over 70 years. MELAG stands for the art of engineering and production "made in Germany" with the highest levels of quality.



- + Quality – made in Germany**
for maximum reliability in everyday practice
- + Impressive speed**
in accordance to EN 13060 for time-saving workflows
- + Optimal drying results**
for protection against re-contamination and corrosion
- + Uncompromising comfort**
for easy and safe handling
- + Smart documentation concept**
for complete and legally compliant proof
- + Eco-friendly innovations**
for massive savings of electricity and water

~~UN~~ AFFORDABLE



We love infection control. And the environment.

The Pro and Prime Line combine environmental protection with economic efficiency. Thanks to the groundbreaking stand-alone concept, Power Save energy-saving function and DRYtelligence drying (included in the Prime Line), our autoclaves are the best solution - for your budget and the environment.

A great deal to love

Offer more. Need less.

Whether loading, sterilization or documentation - the compact MELAG class B and S autoclaves offer a price-performance ratio that stands up to any comparison. So you not only sterilize more instruments in less time, but also save money. And all this in the MELAG quality you know and appreciate from the proven predecessor models of the Pro-Class.



More PERFORMANCE.

25 % **more favorable price**
for an economical use from the first day.*

50 % **less maintenance work**
due to extended service intervals of 2 years or 2,000 cycles.*

96 % **lower water consumption**
thanks to the trend-setting stand-alone concept with highly effective air cooling.**

35% **shorter cycle times**
enable an efficient hygiene workflow and thus more time for what really matters: Your patients.*

15% **more loading**
on up to 5 trays gives you the flexibility you need in your daily practice: Now and in the future.*

100% **more intuitive operation**
with Smart-Touch Display, LED status and documentation via USB stick, the user experience is taken to the next level.



Less COST.



Quick Fact: Do you need an autoclave for sterilizing even larger loads in record time?

Then take advantage of our Premium-Class Evolution with worldwide unique product highlights.



* Compared to the predecessor models of the Pro-Class.

**Compared to the predecessor models of the Pro-Class with fixed water connection.

As versatile as you are.

In order to meet individual needs, the all-new MELAG autoclaves is available in 23 liter sizes and with different scopes of features.

Vacuclave 123

Our entry-level models: The Pro Line class B or S autoclaves offers everything you need for a safe, convenient and resource-saving sterilization.



Powerful class B or S vacuum procedure: Reliable sterilization of up to 6 kg on 5 trays in only 15 to 28 minutes (plus drying) - made in Germany.



Smart-Touch Display with LED status : Touchscreen with intuitive user interface for simple operation like your smartphone - even with medical gloves.



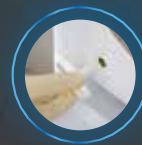
Connectivity & data logging: Compliance with legal requirements by saving the sterilization parameters via USB or network or log printout via MELAprint 80.



Stand-alone device concept : Integrated water tanks & highly effective air cooling for site-independent operation without cooling water.



Power Save energy saving mode: Heater and display go into standby mode between sterilizations for top energy efficiency.



EasyCare routine concept: User-friendly optimizations for efficient filter replacement, tank cleaning and water supply.

MELAG
competence in hygiene

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Behind The Best Indian Dentists



Facts and figures at a glance

Technical specifications

The Pro and Prime Line guarantee fast sterilization tailored to your needs with a wide range of programs:

Programs of Pro Line (Class B autoclaves)		Vacuclave 123 operating times (at minimum to maximum load) *	Drying (time controlled)
Universal B	134 °C, holding time: 5.5 min	24 – 31 min	20 min
Quick S	134 °C, holding time: 3.5 min	16 – 20 min	5 min
Quick B	134 °C, holding time: 5.5 min	24 – 27 min	10 min
Gentle B	121 °C, holding time: 20.5 min	39 – 47 min	20 min
Prion B	134 °C, holding time: 20.5 min	37 – 48 min	20 min

* Times for Type-B programs for single wrapped load and Quick-S for unpacked load. Times may vary depending on the type and quantity of load.

The Pro and Prime Line can be installed quickly and easily as table top autoclaves in any reprocessing room. Get an overview of the technical data:

	Pro Line - Vacuclave 123
Order no.	ME10123
Device type	Stand-alone class B autoclave (Compatible with additional water treatment unit)
Autoclave class	Class B
Chamber size	ø 25 cm x 45 cm long
Chamber volume	23 litres
Load quantity	max. 6 kg instruments / 2 kg textiles
Device dimensions (W x H x D)	47 x 50 x 64 cm (device fits on a 60 cm table top)
Weight	49 kg
Power supply	220 – 230 V / 50 – 60 Hz
Power consumption	2.100 Watts
Documentation interfaces	USB, network

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Vacuclave 105

The fastest autoclave of its class.



#1

Record sterilization from 6.5 min. (plus flexDRY drying)*

Quality – made in Germany

CE / EC EU / EN ISO 13485:2016

Vacuclave 105

Not big. But great.

To the future, get set, go! With the fastest autoclaves in their class, we are redefining the limits of speed: Because the 5 liter class B autoclaves have been developed down to the smallest detail for a great performance!

Ahead of the times: In all programs.

Buckle up and sterilize instruments on up to 2 trays in record times from 6.5 minutes (plus drying).



Big on the inside, small on the outside: Special all around.

The compact powerhouse with a device width of just 30 cm saves up to 60 % space compared to conventional practice autoclaves.

Magically simple: Simply magical.

The Plug & Play installation concept, the large Smart-Touch Display and the Power Save function make everything easier - from installation and operation to environmental protection.



Made in Germany: Made for You.

We make no compromises when it comes to quality: We develop and produce to the highest quality standards in Berlin - 100% made in Germany. Because we know an autoclave must never fail.



MELAG
competence in hygiene

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105

Small autoclaves. Great performance.

Fast has never been this fast before.

Bye bye waiting times, hello sterilization in record time. Vacuclave 105 enable up to 6 times faster workflows than conventional practice autoclaves. What does that mean in concrete terms? More productivity, more flexibility, more time for your patients.

from

6.5 min*

Cycle time of a conventional practice autoclave: approx. 40 minutes



shorter cycle times
for sterilization



less space required in the
decontamination room



less weight than a
practice autoclave

Compact powerhouses for your practice

With a width of only 30 cm, the lightning-fast autoclaves fit perfectly into any reprocessing line: As an addition to your practice autoclave or as a stand-alone unit. Discover the versatility of our innovative device concept.





Loading concepts for up to 22 dental contra-angle handpieces per batch

22x



Loading concept for an ophthalmic cataract set



* Cycle time with empty chamber and optimum conditions (plus drying).

Application area #1

The perfect match

Every practice needs to sterilize - but how long is up to you: By supplementing your practice autoclave, you can quickly sterilize cost-intensive instruments between treatments.

- ➔ Reduce the number of instrument sets required.



Application area #2

The one and only

Small autoclaves for big dreams: Vacuclave 105 is faithful and efficient companions for practices with few instruments.

- ➔ Meet the requirements for compliant reprocessing in the smallest space.

More power. More flexibility. More wow.

Our small autoclaves for big dreams.

Who says you can't expect big features from a small autoclave? Benefit from a magical operating concept, impressive power and smart features that save you time, money, and space in instrument reprocessing:

Vacuclave 105 (Pro Line)

Our entry-level model: With class B and S programs, the Pro Line compact autoclave offers everything you need for safe, convenient and resource-saving sterilization.



Powerful class B vacuum process

Reliable sterilization of up to 2 kg on 2 trays in just 6.5 to 16 minutes (plus drying)
- Made in Germany.



Smart-Touch Display with LED status

Touchscreen with intuitive menu structure for easy operation like your smartphone - even with gloves.



Connectivity and data logging

Compliance with legal requirements through logging of sterilization parameters via USB and network or log printout via MELAprint 80.



FlexDRY drying

Freely programmable drying time from 1 to 60 minutes, individually tailored to your workflow and load.



Power Save energy-saving mode

Heating and display standby mode between sterilizations for top energy efficiency.



Plug & Play installation concept

Lightning-fast commissioning with the aid of external water tanks.



Record cycle times

for sterilisation from 6.5 minutes (plus drying)



flexDRY drying

for a customised drying process from 1 - 60 min



Powerful vacuum process

Class B for reliable sterilisation in accordance with EN 13060



Intuitive operating concept

thanks to the Smart-Touch display with LED status



Connectivity and data logging

of sterilisation protocols via USB stick or network



Plug and play installation concept

for lightning-fast commissioning at any desired location



Power Save energy-saving mode

for top energy efficiency in everyday practice work



Quality made in Germany

developed, designed and produced in Berlin



Plug & Play installation concept

Quickly installed, sterilized anywhere.

Our plug & play installation concept with external water tanks and highly effective air cooling enable lightning-fast commissioning at any desired location, because Vacuclave 105 require neither water nor compressed air connection.



Water supply

The water supply via external tanks and the highly efficient air cooling ensure reliable operation.

- ➔ 5 liter waste water tank included in the scope of delivery



Documentation

With two USB and one network interfaces, there are no additional costs for the documentation of sterilization protocols.

- ➔ USB stick included in the scope of delivery



Power supply

Power is supplied by connecting the Vacuclave 105 to a 200 - 230 V socket.

- ➔ Mains cable included in the scope of delivery

Figures. Data. Facts.

Technical data

Gain time for your patients: The compact Pro and Prime Line autoclaves offer everything you need for safe, convenient and resource-saving sterilization. In the smallest space and in the shortest time.

Vacuclave 105 programs (Pro Line)		Operating times (with minimum to maximum load) *	Drying (time-controlled)
Universal-B	134° C, plateau time: 5.5 min	11 – 16 min	8 min
Quick-S	134° C, plateau time: 3.5 min	6,5 – 10 min	5 min
Gentle-B	121° C, plateau time: 20.5 min	26 – 32 min	20 min
Prion-B	134° C, plateau time: 20.5 min	26 – 32 min	8 min

* Data for the Quick-S program for unpacked loads and for all other programs for single-packed loads. Times may vary depending on load type and quantity.

** DRYtelligence automatically adjusts the drying process to your load. Intelligent drying therefore achieves optimum drying results at all times.

Quickly installed, sterilized everywhere. Our plug & play installation concept with external water tanks enables lightning-fast commissioning: Find out more about the technical data of our new compact autoclaves.

	Vacuclave 105 (Pro Line)
Art. no.	ME10105
Device type	Stand-alone autoclave (with external containers)
Autoclave class	Class B
Chamber size (H x W x D)	8 x 20.3 x 31 cm
Chamber volume	5 liters
Load quantity	Max. 2 kg instruments / 0.45 kg textiles
Device dimensions (H x W x D)	30 x 30 x 59 cm
Weight	28 kg
Power supply	200 – 230 V / 50 – 60 Hz
Power consumption	2.100 watts
Documentation interfaces	2 x USB, network

System solutions, innovation and quality

MELAG is an owner-managed family business that has focused on products for practice hygiene since it was founded in 1951. With over 500 employees, we produce exclusively in Germany on an area of approx. 25,000 m² and are the world market leader in the field of instrument reprocessing.



Careclave

The revolution of instrument reprocessing



- ✓ Cleaning & Disinfection
- ✓ Lubrication
- ✓ Sterilization
- ✓ Documentation



Redefining instrument reprocessing

Time to care

Rethink everything you know about instrument reprocessing: Careclave revolutionizes the workflow in dental practices and clinics. Discover the advantages of our worldwide unique 4-in-1 Solution:



Maximum safety for patients and personnel alike

Do not make any compromises in your hygiene standards: Careclave ensures the reprocessing of up to 200 handpieces and further instruments in a single practice day.

Wellness for your instruments

Protect your precious instruments against wear: Careclave provides the best-possible care for your transmission instruments and chuck systems.



No space in your decontamination room? No problem!

Free up new space in your decontamination room: Careclave requires up to 45 % less space, as it combines a number of devices in one.

And the best thing: You save money

Benefit from our cost-saving 4-in-1 Solution: Careclave reduces maintenance and service costs and the number of instrument sets you need.





- + Washer-disinfector
- + Lubrication unit
- + Steam sterilizer
- + Documentation & approval

= Careclave

Careclave complies with the standards for washer-disinfectors (EN ISO 15883) and steam sterilizers (EN 13060).



Discover the product highlights of the 4-in-1 Solution in our video:
www.melag.com/en/multimedia

Time to care for #Patients

Feel good – not just about instrument reprocessing,
but also about patient treatment!

The standard compliant reprocessing of handpieces and turbines often poses a challenge in terms of time and money. But that will now come to an end: Nine years of intensive research and development have brought together what belongs together.

Careclave combines the entire reprocessing workflow in only one device in order to provide the highest level of safety and efficiency.

No more compromises in instrument reprocessing – with Careclave, you can simply concentrate on what really matters:
Your patients!

MELAG
competence in hygiene



1. Cleaning & disinfection

The perfect duo for your workflow: Careclave and Carebox guarantee the best cleaning and disinfection outcomes for the reprocessing of 8 transmission instruments, prophylaxis handpieces or ultrasonic scaler tips in only 16 minutes.

2. Lubrication

The Carebox not only ensures perfect care of your transmission instruments, but minimizes wear. And that is not all: The unique ADDcare station even performs the lubrication of the chuck system directly at Careclave after the end of a program.

3. Sterilization

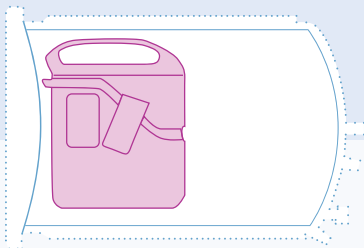
Careclave also provides everything you expect from a modern Class B steam sterilizer – and even more: Sterilize up to 11 kg of instruments in record time due to the patented Double Jacket Technology and DRYtelligence.

4. Documentation & approval

Perform the documentation process directly on the large Smart-Touch Display without any extra software solution. ProControl provides digital proof of a successful reprocessing procedure quickly, safely and paper-free via an USB flash drive or network.

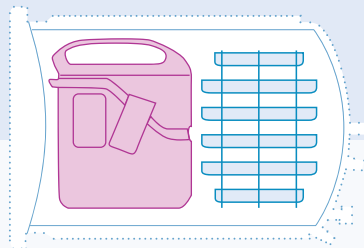
4in1
solution

Versatile loading options at a glance



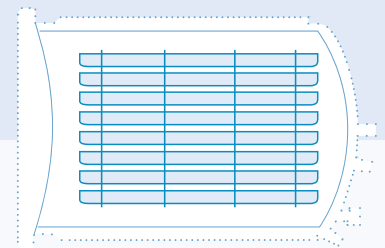
Carebox

Do you need transmission or prophylaxis instruments for the next treatment as quickly as possible? Then reprocess up to 8 hollow body instruments in your Carebox.



Carebox & trays

Would you like to enhance the efficiency of your staff? Then benefit from reprocessing and lubrication in the Carebox and sterilization of up to 6 trays for further instruments in just one cycle.



Long trays

Do you need maximum capacity for the sterilization of your instruments? Then simply load up to 11 kg of instruments on 8 trays or 4 MELAstore Boxes into Careclave.



Protecting chuck systems. Reducing service costs.

The ADDcare station, ergonomically integrated into the door of Careclave, ensures the vital care for your instrument heads.



Inserting Carebox. Starting program.

A process that could not be more intuitive: Our patented Carebox Connect Technology automatically recognizes which Carebox was inserted and adapts the program selection to your load.



1x Care Oil inserted. 1,000x instruments lubricated.

The fully-synthetic MELAG Care Oil is not only economical in its consumption, but also guarantees the best-possible lubrication. Thanks to the patented iDOS dosing procedure, the required amount of oil is supplied to each instrument in the Carebox with pinpoint accuracy.

Time to care for #Instruments

**UNICORN
DenMart** [®]
Behind The Best Indian Dentists

Smooth running – Careclave helps to increase the life span of your instruments and reduces service costs.

Cleaning and care are the basis for the reliable function and long life span of your valuable instruments. Achieve this result with only one device: The pioneering technology of the new Careboxes guarantees perfectly-prepared instruments between patient treatments. The excellent reprocessing outcomes have been verified by an independent laboratory.



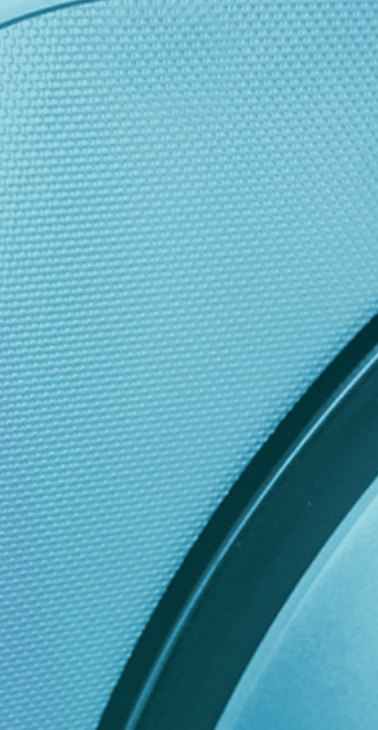
Carebox Green

for the safe reprocessing of up to 8 prophylaxis handpieces and ultrasonic scaler tips with torque wrenches.



Carebox Blue

for the safe reprocessing and reliable lubrication of up to 8 turbines and handpieces.



Time to care for #Yourself

Four process steps in one single device,
promising advantages for you.

Why use 4 products for instrument reprocessing when you can do everything with one single device? Careclave saves time, money and space in comparison to conventional device combinations from day one in your dental practice and clinic:



Lower service costs:

Fewer devices mean lower costs: Careclave is not only more affordable to purchase, but also saves you extra maintenance and validation outlay associated with having further devices.

45 %

More space in your decontamination room:

Your team knows workspace in the decontamination room is precious: Removing the need for an additional lubrication device, Careclave allows you to have significantly more space for safe instrument reprocessing.

33 %

More transmission instruments per cycle:

Careclave is a sprinter: The reprocessing of 8 hollow body instruments in only 16 – 18 minutes guarantees quick re-availability and thus reduces the need for investment in additional instruments.



Our priority is your satisfaction

We have subjected Careclave to exhaustive testing - running over 40,000 cycles in continuous operation on specially developed test rigs as well as over a year in test practices and clinics with a wide range of patient and instrument volumes:



"Cleaning, disinfection, lubrication and sterilization in just a single device - my team has been thrilled about the new device concept since 2019."

iDentis
Dr Thorsten Wilde



Unbeatable affordability

With cycle costs of under 1 Euro for electricity, water, compressed air and oil, the reprocessing and lubrication costs less than 12 Cents per handpiece.



"7 days a week we are there for our patients. Only for our patients! Because Careclave takes over the reprocessing between the treatments in a time-saving way."

Practice berliner MundArt
Dr Lars Eichmann



"Maximum reprocessing and lubrication with a minimum effort – we never want to work without Careclave again!"

Dentists Feuerlandhöfe
Dr Nicolas Wackerbeck

Double Jacket Technology & DRYtelligence

You need to rely on perfect sterilization and drying results? Then take advantage of the unique double jacket chamber concept and algorithm-controlled drying. These patented innovations permit a maximum load of 11 kg – a volume of instruments for which other devices need two or more cycles.

Our Digital Tools

Smart workflows in instrument reprocessing: The Download Center, Troubleshooting Portal and our Multimedia Channel support you in your daily practice. Discover our Digital Tools at www.MELAG.com.

- ✓ Multimedia Channel: Tutorials, webinars and clinic videos on safe instrument reprocessing.
- ✓ Troubleshooting Portal: Identify event numbers and access solutions immediately.
- ✓ Download Center: Access all Careclave documents in digital form.



Smart-Touch Display & ProControl

Operate Careclave as easily as your smartphone. The extra-large touch display enables you to document and approve cycles directly on the device - paper-free and with legal certainty. The optional MELAprint 80 also makes for marking your instruments. The double-adhesive bar code labels ensure complete traceability.



The foundation for real innovation

**UNICORN
DenMart**[®]
Behind The Best Indian Dentists

70 years of experience in infection control

You have invested many years in earning the trust of your patients through high-quality work. We take the same approach! Our promise of superior quality "Made in Germany" in conjunction with the consistent pursuit of innovations has led to over 600,000 happy clients. Thousands of practices and clinics throughout the world have placed their trust in MELAG System Solutions for over 70 years.

Would you like to find out more about the unique Careclave product highlights? Then get in touch with our hygiene experts. Working together, we can realize your ideas for the best-possible reprocessing workflow.



Live chat

Send your questions to us quickly and easily via our live chat on www.melag.com. We will find the best solution to fit your needs.



Online live demo

Video sessions save time, help to protect the environment and provide you with an even more detailed insight into our 4-in-1 Solution.



On site visit

Our hygiene experts and authorized retailers in your region are happy to visit your practice or clinic to provide individual and free-of-charge consultation.



For your safety: Everything from one source.

MELAG
competence in hygiene

The MELAG System Solution

Your decontamination room – the place where you ensure patient safety

The perfect alignment of the MELAG System Solution saves even more time and money in instrument reprocessing. Discover the advantages of the MELAG washer-disinfectors, sealing devices and software solutions ideally aligned to Careclave:



Careclave - Unique as a product, unbeatable in a system



✓ Cleaning & disinfection with MELAtherm



✓ Packaging with MELAseal or MELAstore



✓ Reprocessing & lubri



Personal:

One central contact to answer all your instrument reprocessing questions



Efficient:

Cost optimization by synchronizing the service of all devices in your decontamination room

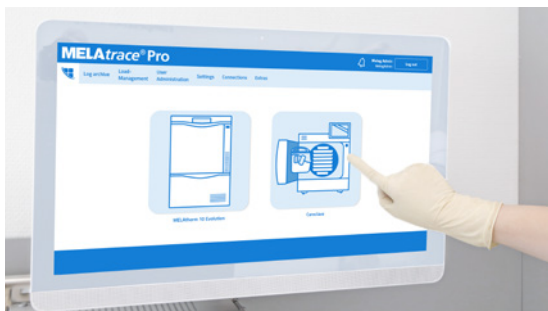


Process optimized:

An aligned operating concept to avoid malfunctions in everyday practice



ation with Careclave



✓ Documentation & approval with MELAtrace



✓ Labelling with MELAprint 80

As versatile as your needs

A variety of accessories enables you to assemble the configuration which best suits your needs. Ideally aligned to your workflow, Careclave maximizes safety and efficiency in infection control!

1. Select your load:

We provide versatile loading systems for all application scenarios to ensure the optimal use of the reprocessing chamber.



Carebox Green

for the reprocessing of hollow body instruments which do not require oiling. Configure the Carebox Green with up to 8 adapters for ultrasonic scaler tips and prophylaxis handpieces.



Carebox Blue

for the reprocessing and lubrication of transmission instruments. Align the Carebox Blue to your handpieces and turbines using up to 8 adapters.

2. Select your water treatment:

MELAdem water treatment units supply high-quality demineralized water to ensure the best possible value-retention of Careclave and your instruments.



MELAdem 53 / 53 C

is a water treatment unit with a very high capacity for Careclave, MELAtherm and up to two further devices.



MELAdem 47

is an efficient reverse-osmosis water treatment system for Careclave in practices and clinics with a static water pressure of over 3 bar relative.

3. Select further accessories for an optimal workflow:

Using Careclave means that your instruments are always prepared perfectly for the next patient. Our optional accessories enable an even safer and faster reuse of your instruments:



Cooling Box

guarantees cool instruments in only 4 minutes after their reprocessing in the Carebox.



MELAprint 80

prints bar code labels for optimal instrument marking and traceability.



Everything began with an idea:
Our video introduces the faces
behind Careclave.

www.melag.com/en/multimedia



Mount with short trays

for the sterilization of extra instruments
in addition to reprocessing of a Carebox in
one cycle. Choose between a mount with
6 or 8 trays.



Mount with long trays

for the sterilization of up to 11 kg of
instruments. Use the mount for 8 long
trays to take advantage of the maximum
sterilization capacity.



Pressure increase pump

guarantees the connection of a
MELAdem 47 to Careclave and a
further steam sterilizer when the static
water pressure is under 3 bar relative.



MELAjet

enables the instruments to be sprayed
with demineralized water.



MELAtrace

ensures professional documentation,
approval and traceability of the entire
decontamination process.



MELAcontrol

is a helix test system with 250 indicator
strips that provides reliable proof of
sterilization.

All numbers and facts at a glance

Technical data

With a wide range of different programs, Careclave guarantees optimal instrument reprocessing and lubrication. This section provides information about the Careclave mode (with an inserted Carebox) and Vacuclave mode (without a Carebox):

Careclave mode	Description	Cycle time incl. drying
Care-Therm Program	Cleaning inside and outside, thermal disinfection, lubrication (if necessary) of the instruments in Carebox	16 – 18 min
Care-S Program	Cleaning inside and outside, lubrication (if necessary), sterilization (134 °C, holding time 3.5 min) of the instruments in Carebox	21 – 23 min
Care-B Combi Program	Cleaning inside and outside, lubrication (if necessary), additional sterilization (134 °C, holding time 5.5 min) of the instruments in Carebox and on the trays	33 – 43 min

Vacuclave mode	Description	Cycle time plus drying *
Universal-B Program	Sterilization (134 °C, holding time 5.5 min) of wrapped or double wrapped instruments up to 11 kg	13 – 22 min
Quick-S Program	Sterilization (134 °C, holding time 3.5 min) of unwrapped instruments up to 7 kg	9 – 15 min
Gentle-B Program	Sterilization (121 °C, holding time 20.5 min) of wrapped or double wrapped instruments up to 7 kg	27 – 37 min
Prion-B Program	Sterilization (134 °C, holding time 20.5 min) of wrapped or double wrapped instruments up to 11 kg	28 – 37 min

* DRYtelligence automatically adapts the drying process to your load. Intelligent drying not only achieves the best-possible drying results, but reduces the drying time by up to 80%.

Careclave can be installed quickly and easily in every decontamination room. The following list provides an overview of the installation requirements in terms of electricity, water and compressed air:

Technical data	Careclave 618
Article number	ME10618
Device dimensions (W x H x D)	48 cm x 50 cm x 65.3 cm, height incl. display 56.2 cm, Careclave fits on a 60 cm deep work surface
Weight	69 kg
Chamber size / volume	Ø 25 cm x 35 cm long / 18 L
Chamber load quantity	max. 11 kg instruments / 2 kg textiles
Carebox load quantity	max. 8 hollow body instruments
Power supply	220-240 V, 50 Hz
Power consumption	3 kW
Compressed air	4 – 8 bar (compressed air in accordance with ISO 7494-2)
Feed water supply	max. 35 °C, 1 – 10 bar, additional water treatment required
Documentation interfaces	USB, network

More washer-disinfector than ever before: The MELAG Therminators

MELAtherm 20 / MELAtherm 10 Evolution

NEW:
2 sizes for
every requirement



MELAG washer-disinfectors

Right on trend: Efficient.

Meet MELAtherm – more than just a washer-disinfector, it's your new team member in the decontamination room. MELAtherm takes care of cleaning and disinfection so your team can focus on what matters most – providing exceptional care for your patients. All with greater safety, less effort, and the reassurance your team can count on.



MELAtherm 10 Evolution

MELAtherm 20



Efficiency:

Reducing the amount of work involved ensures cost- and time-saving workflows



Safety:

Improved occupational safety thanks to minimal contact with instruments



Legal compliance:

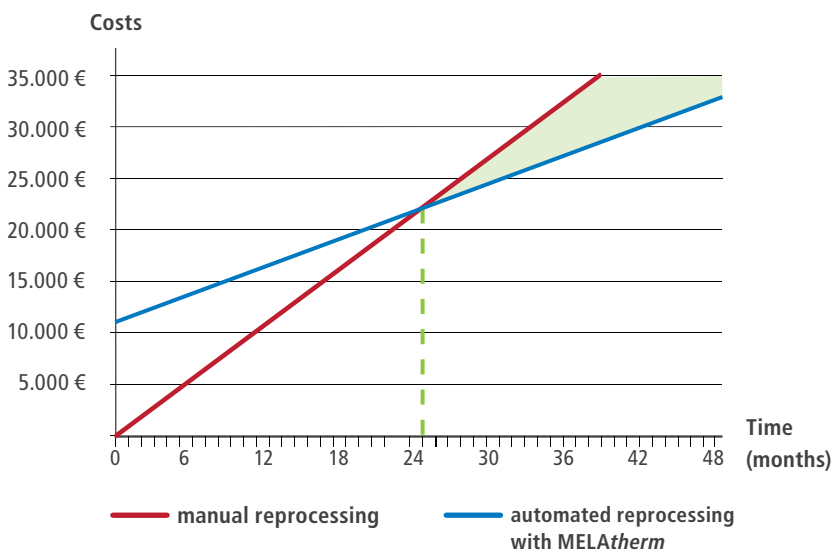
Documentation of the reprocessing procedures enables reproducibility



Process optimization:

Immediate reuse of non-surgical instruments after automated reprocessing (in compliance with national standards).

The use of a MELAtherm pays for itself after only 25 months, assuming the following values:



Number of working days/month	22
Cycles per day	2
Hourly wage for employees	18,50 €
Cost of disinfectant bath	1,80 €
Cost of process media, electricity, water	2,00 €
Working time for manual reprocessing (in hours)	1
Working time for automated reprocessing (in hours)	0,25
Costs per manual reprocessing cycle	20,30 €
Costs per automated reprocessing cycle	6,63 €
Acquisition costs for MELAtherm	11.000,00 €
Interest rate	5,0 %
Maintenance/service/validation per month	100,00 €

Costs per month for manual reprocessing	893,20 €
Costs per month for automated reprocessing	437,33 €

Made in Germany. Made for You.

Future needs heritage: We have been developing, producing and optimizing our system solutions for instrument reprocessing at our headquarters in Berlin for over 70 years. MELAG stands for the art of engineering and production "made in Germany" with the highest levels of quality.

Quality made in
Germany



More performance. More possibilities. More MELAtherm.

More washer-disinfector than ever before.

Whether you have a practice or a medical care center: MELAtherm washer-disinfectors with two different washing chamber sizes were developed in Berlin down to the smallest detail for maximum performance – so that your ideas for a time-, space-, and cost-saving hygiene workflows can become reality.

MELAtherm 10 Evolution

The practice-optimized solution for:

- ➔ **Limited space**
due to space-saving storage of process agents in the device drawer
- ➔ **Low to medium reprocessing volumes**
of instruments for up to 45 patients per batch in a basis basket with up to 12 flex segments



Over 30,000 practices and clinics worldwide rely on MELAtherm:



"MELAtherm impresses us every day! Even with 45 patients, the coordinated MELAG System Solution ensures efficiency, safety, and smooth processes at every step of reprocessing."

The Linden Tree Dental Lounge
Dunfermline, United Kingdom





AquaBoost for brilliant cleaning



XXL Smart-Touch Display



ProControl for batch approval



Integrated documentation interfaces



MELAG quality - made in Germany



Over 90 baskets, holders and adapters



Free service with over 1,300 trained technicians



Maintenance interval of 2 years or 1,000 cycles



MELAtherm 20

The XXL solution for:

➔ Increased reprocessing volumes

of instruments for up to 90 patients per batch in two basis baskets with up to 24 flex segments

➔ Wash tray systems

for reprocessing of up to 16 standard trays in the lower basket and up to 32 smaller trays in the upper basket

➔ Highest standards of efficiency and convenience

with self-cleaning central filter and up to 63% better cleaning performance compared to MELAtherm 10 Evolution (based on ÖGSV guideline 3a).



"Thanks to MELAtherm and the MELAG system, we have been able to significantly simplify our team's work processes and save valuable time."

Clinic of Dr. Kateřina Jandová
Prague, Czech Republic



"MELAG is our reliable partner for practice hygiene. We have 100% confidence in their many years of experience and German-made quality."

Clinic of Kampf and Vieler-Kampf
Grebenstein, Germany

MELAtherm 20

MELAG
competence in hygiene

All the magic of MELAtherm in XXL.

Designed for practices and clinics without limits: With an extra-large washing chamber, smart operating and documentation concepts, and the newly developed 3-arm rinsing system, MELAtherm 20 is ready for any challenge – today and in the future.

Whether with 230 V or 400 V, passiveDRY or activeDRY: With over 90 accessories and outstanding product highlights, MELAtherm 20 adapts flexibly to your requirements, enabling highly efficient reprocessing of instruments for up to 90 patients per load.

For instruments from
up to 90 patients per cycle

160 liter chamber with 2 basis baskets
and up to 24 flex segments

230 V or 400 V variant
with activeDRY or passiveDRY



Independent service with over 1,300 technicians

Whether maintenance or repair – our independent service network offers you freedom of choice and excellent value for money!





XXL chamber concept:

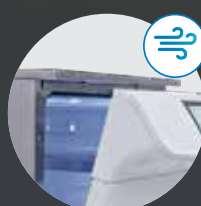
Up to 24 flex segments in the lower basket and height-adjustable upper basket provide space for everything. And even more.



AquaBoost:

Thanks to its powerful circulation pump and newly developed rinsing arm system, MELAtherm 20 achieves a 63% improvement in cleaning performance compared to MELAtherm 10 Evolution.*

* Based on ÖGSV guideline 3a



Drying systems:

With activeDRY for active internal and external drying or passiveDRY with automatic door opening and steam condensation, you can achieve gentle drying and reliably protect your instruments from corrosion and damage.



Smart-Touch:

With the extra-large touch display, everything is magically simple – simply magical: From program selection to documentation via network or USB.



ProControl:

User authentication and batch approval directly on the device – this saves time, is legally compliant, and enables the immediate reuse of non-surgical instruments. (please comply with national standards)



MediaGuard: (optional)

The specially designed storage box keeps things tidy and reliably protects your cabinets from process agents.



Cleanfinity Pro: (optional)

Maximum instrument protection, minimum effort – the new self-cleaning central filter in the bottom of the washing chamber provides ideal value retention for your hollow-body instruments and saves valuable working time.





Active drying:

activeDRY external and internal drying guarantees ideal protection for your instruments against corrosion and damage.



Process agents intake:

Integration of the process media and the dosing module creates space, makes work easier, and helps to avoid errors.



Practice-optimized washing chamber:

The compact washing chamber concept with versatile insert baskets saves time, reduces costs and retains valuable resources.



Smart-Touch:

Getting started, selecting programs, and operating the washer-disinfector has never been easier with Smart-Touch. Now even more intuitive with video tutorials covering all relevant operating questions.



ProControl:

User authentication and batch approval directly on the device – this saves time, is legally compliant, and enables the immediate reuse of non-surgical instruments. (please comply with national standards)



Documentation interfaces:

With an integrated CF card slot and two network interfaces, there are no additional costs for documentation.



AquaBoost:

The new powerful circulation pump ensures up to 44%* better cleaning results and higher capacities: Reprocess up to 23 handpieces and turbines per cycle!

* Compared to the previous model MELAtherm 10



MELAtherm 10 Evolution

Compact by Design. Efficient for Nature.

No space? No problem! This space-saving wonder with a practice-optimized washing chamber and integrated process agents exceeds expectations. MELAtherm 10 Evolution delivers outstanding cleaning and drying results in the smallest of spaces – and that with resource-saving cycle costs of just 1.50 €.

Whether it's the Smart-Touch Display with integrated video tutorials, ProControl approval software or the activeDRY drying system, MELAtherm 10 Evolution stands for performance with ease: So that your time belongs to your patients again.



For instruments from up to
45 patients per cycle

84 liter chamber with one basis
basket and up to 12 flex segments

Available as 230 V or 400 V version
with activeDRY drying



Independent service with over 1,300 technicians
Whether maintenance or repair – our independent service network
offers you freedom of choice and excellent
value for money!

More variety. More you.

Baskets and adapters for all specialties.

Every field of medicine is unique – just like your instrument reprocessing requirements.

Whether you work in dentistry, ENT, gynecology, podiatry, veterinary medicine, ophthalmology or other medical fields, with over 90 baskets and adapters, we can put together a customized loading pattern that is perfectly suited to you and your workflow.

You can find a variety of loading patterns with detailed item lists on our website:
www.melag.com/en/melatherm%20loading%20pattern



Dental practice

In just one cycle, MELAtherm 10 Evolution can reprocess instruments for over 45 patients, and MELAtherm 20 for over 90 patients in no time.

- ✓ Reprocessing of universal suction cannulas placed upright in the instrument basket
- ✓ Safe adaptation of ultrasonic scaler tips with torque wrench



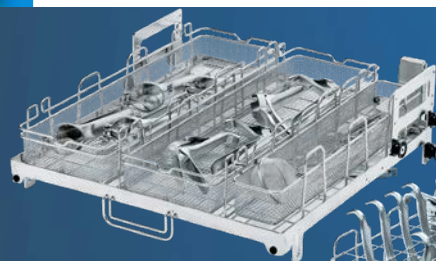
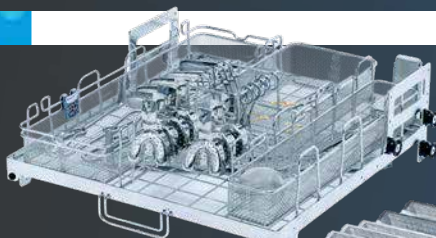
Gynecological practice

Up to 32 speculums in MELAtherm 10 Evolution and up to 45 speculums in MELAtherm 20 are available for use after cleaning and disinfection – supplemented by flexible baskets for additional instruments.

MELAtherm 10
Evolution



MELAtherm 20



Further loading patterns for OMFS and orthodontics can be found at www.melag.com/en

NEW: MELAtherm 20
with loading trolley
for up to 8 DIN sieves



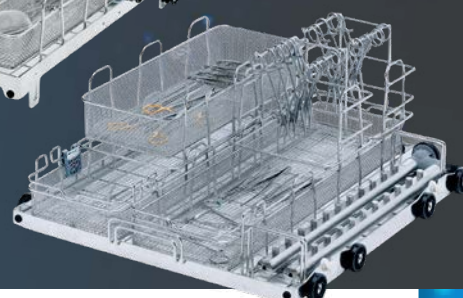
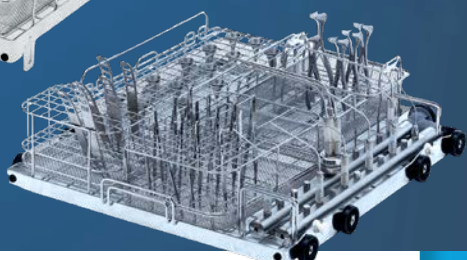
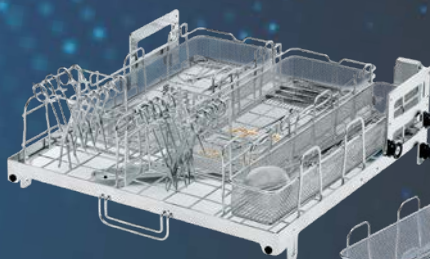
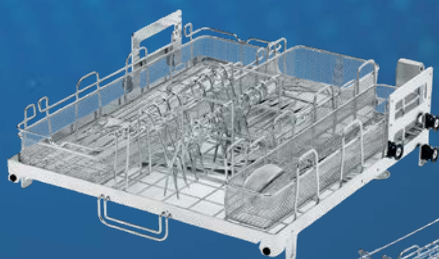
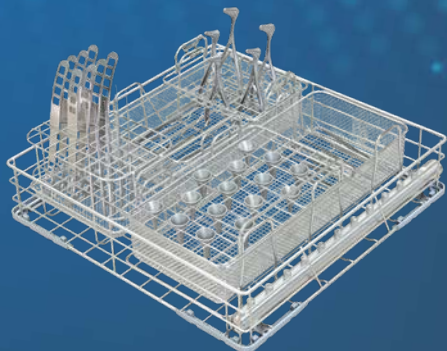
ENT practice

Whether 192 ear specula in MELAtherm 10 Evolution or over 400 ear specula in MELAtherm 20 – in just approx. 60 minutes, they are fully reprocessed and ready for use, along with other ENT instruments.



Medical practices

Whether surgery, orthopedics, urology, dermatology, or general medicine – with flexible baskets, tube connections, and adapters for hollow instruments, MELAtherm adapts precisely to the requirements of your specialty.



Further loading patterns for podiatry, veterinary medicine, ophthalmology, and outpatient surgery centers can be found at www.melag.com/en

As flexible as your needs.

Find the right accessories for you. And your MELAtherm. Our specially developed solutions take your instrument reprocessing to the next level: For greater safety, maximum efficiency, and noticeable convenience.



MELAcontrol Wash-Check

Keep an eye on cleaning performance at all times: The coordinated MELAcontrol Wash-Check enables simple, routine checking of the cleaning results for your instruments – in the basis basket or on the injector rail in accordance with DIN EN ISO 15883-5.



Cleanfinity – Cleanable central filters

Our cleanable central filters not only protect sensitive hollow instruments, but also your budget and the environment. Whether as Cleanfinity with cleaning indicator in the MELAtherm 10 Evolution or as Cleanfinity Pro as a self-cleaning central filter in the MELAtherm 20 – Cleanfinity is the smart solution for a clean future.



MEtherm process agents

The chemistry is right: Our MEtherm process agents – cleaner, neutralizer, and rinse aid – are specially developed for MELAtherm. The result: Uncompromising cleanliness, optimal drying and minimal consumption. This allows you to combine maximum hygiene with sustainable cost-effectiveness.



MELAdem 53

The water treatment systems perform the final rinse with demineralized water to protect and maintain the instruments. The powerful MELAdem 53 even allows additional devices to be connected in the reprocessing room.



MELAstora

Increase the efficiency and quality of the reprocessing process: MELAstora Trays and MELAstora Boxes offer remarkable time savings and a reduction in practice waste through standardization.



MELAG regeneration salt

This high-purity salt is optimally matched to the MELAtherm water softening system. The coarse grain size ensures uniform solubility, protects the washer-disinfector from limescale deposits, and supports long-lasting cleaning performance.



Care Oil Spray

With this fully synthetic care oil for transmission and joint instruments, everything runs like clockwork: Targeted care after machine cleaning and disinfection protects your instruments, reduces wear and tear, and prevents costly repairs.

The MELAstore System Workflow becomes WOWflow.

MELAG
competence in hygiene

Would you like to optimize your hygiene process even further? Then increase the efficiency and quality of your instrument reprocessing with MELAstore. The wash trays and sterilization containers are available in various sizes and are perfectly matched to each other and to MELAG washer-disinfectors and autoclaves. See for yourself how this can boost your workflow:



Time savings:

Save up to 30 minutes per reprocessing cycle compared to packaging individual instruments



Environmental protection:

Reduce material costs and practice waste through significantly lower packaging consumption



Process optimization:

Increase the level of standardization and thus quality management



Safety:

Secure fixation with silicone bars protects the practice team and instruments



Your reprocessing process – reimagined with MELAstore:



Cleaning and disinfection of MELAstore Trays with MELAG washer-disinfectors



Packaging with MELAstore Box



Sterilization with MELAG autoclaves



Documentation and approval with MELAtrace



Marking with MELAprint 80

Compare us with other manufacturers

Keep your eyes open when buying washer-disinfectors.



We are confident in the quality, features and ease of maintenance of our washer-disinfectors. To help you see this for yourself, the following checklist summarizes the most important product features. This makes it easy for you to compare our devices with products from other manufacturers.

Product highlights	Your benefits	MELAtherm 10 Evolution	MELAtherm 20 with passiveDRY	MELAtherm 20 with activeDRY	Other manufacturer
Drying	➔ With activeDRY internal and external drying or passiveDRY automatic door opening, you can reliably protect your valuable instruments from corrosion and damage – for maximum safety and a significantly longer service life for your instruments.	activeDRY	passiveDRY	activeDRY	
Intuitive touch concept	➔ Sharp, bright, sensational: The large touch display guides you through all functions with ease – clear, understandable, and reliable from the very first moment.				
Process agents intake	➔ More space, more structure: The combination of process media agents storage and dosing module creates lasting order in the reprocessing room.	in process media drawer	in optional MediaGuard storage box		
Liquid process media agents	➔ The dosing of liquid process media ensures optimal cleaning and drying results and is fully reproducible.				
Documentation interfaces	➔ Thanks to the connections for network and documentation media, legally compliant protocol transmission is possible without any additional software – simple and reliable.	CF card or network	USB flash drive or network		
Batch approval directly on the device	➔ Paperless user authentication and batch approval enable non-surgical instruments to be reused immediately (please comply with national standards).				
Practice-optimized reprocessing chamber	➔ In combination with the versatile accessories, the chamber concept enables time-saving and resource-saving workflows. One load in the MELAtherm 10 corresponds to approximately two practice autoclave loads, and one load in the MELAtherm 20 corresponds to approximately four practice autoclave loads.	Instruments for up to 45 patients	Instruments for up to 90 patients		
Cleanable central filter	➔ An economical solution for maximum safety: Cleanfinity ensures reliable reprocessing of hollow instruments and can be cleaned directly in the practice without any additional costs if necessary.	Cleanfinity with replacement filter indicator	Self-cleaning Cleanfinity Pro filter		
Reprocessing of ultrasonic scaler tips	➔ Only the adaptation of ultrasonic scaler tips with torque wrenches guarantees maximum user safety and prevents accidents at work.				
AquaBoost Technology	➔ The high flushing pressure of AquaBoost Technology not only enables additional handpieces to be processed in the Injector Basket Flex 1, but also significantly improves the cleaning result.	+44 % compared to its predecessor, MELAtherm 10	+63 % compared to MELAtherm 10 Evolution		
Monitoring of the rinsing pressure and the rinsing arms	➔ Monitoring these parameters ensures process reliability.				
Service-friendly maintenance cycles	➔ Maintenance cycles of 24 months or 1,000 cycles and an independent service concept reduce ongoing operating costs.				
Satisfied users in your region	➔ Over 30,000 practices already rely on MELAtherm – discover their experiences at: www.melag.com/en/blog-global?tab=success-stories				



If you already use a MELAG autoclave in your practice, purchasing a MELAG washer-disinfector is particularly worthwhile due to the significant savings in joint maintenance and validation!

Technical data

Facts and figures at a glance.

MELAG washer-disinfectors are available in 400-volt (three-phase current, DTA) and 230-volt (alternating current, DTB) connection variants. If the installation requirements allow for a 400-volt connection, the DTA variant is recommended due to its significantly shorter operating times.

Programs MELAtherm 20*		
	400 V	230 V
Universal	42 min	Information to follow
Universal+	56 min	Information to follow
Intensive	59 min	Information to follow
Ophthalmology	59 min	Information to follow

Programs MELAtherm 10 Evolution*		
	400 V / DTA	230 V / DTB
Quick	37 min	57 min
Universal	42 min	63 min
Intensive	54 min	67 min
Ophthalmology	43 min	63 min

* All programs plus passive drying through automatic door opening and steam condensation after the end of the program, or active drying, which can be interrupted at any time.

	MELAtherm 20		MELAtherm 10 Evolution
	passiveDRY	activeDRY	activeDRY
Device dimensions (W × H × D)	59.8 × 81.8 (83.6**) × 73 cm Unit fits under a 60 cm countertop		59.8 × 81.8 (83.6**) × 67.8 cm Unit fits under a 60 cm countertop
Chamber room (W × H × D)	160 liters / 50.9 × 51.1 × 53.9 cm		84 liters / 46.5 × 40.5 × 44.8 cm
Weight	74 kg (82 kg**)	Information to follow	80 kg (86 kg**) (106 kg with basis cabinet)
Electrical connection 400 V / DTA	3 N AC 318-415 V, 50 Hz, 3 × 16 A		3 N AC 400 V, 50 Hz, 3 × 16 A
Power consumption 400 V / DTA	9,1 kW		10,2 kW
Electrical connection 230 V / DTB	AC 220 –240 V, 50 Hz, 1 × 16 A		AC 220 –240 V, 50 Hz, 1 × 16 A
Power consumption 230 V / DTB	2.9 kW		3.3 kW
Dimensions MELAdem® 53 / 53 C	Ø 24 × 57 cm (61.5 cm including connection elbow) / Ø 24 × 44.3 cm (48.8 cm)		

** With cover plate

Product	MELAtherm 20 passiveDRY 400 V	MELAtherm 20 activeDRY 400 V	MELAtherm 20 passiveDRY 230 V	MELAtherm 20 activeDRY 230 V	MELAtherm 10 Evolution activeDRY 400 V	MELAtherm 10 Evolution activeDRY 230 V
Art. no.	ME20022A50	ME20022A50T	ME20022B50	ME20022B50T	ME20020	ME20021
Availability	immediately	immediately	Summer 2026	Summer 2026	immediately	immediately

AUTOCLAVE

European B Class Autoclave

FENG 23L TOUCH SCREEN AUTOCLAVE
Redefining The Sterilization Excellence

- ✦ B type fully automatic front-loading autoclave powered by triple vacuum cycle
- ✦ Temperature Selection - 121° C / 134° C/ B+
- ✦ Double door lock system for safety
- ✦ 5 Programs for sterilization of all types of instruments – Solid/ Hollow, Porous/Non-Porous etc.
- ✦ Built-in water quality sensor
- ✦ Bow and Dick test qualified
- ✦ Touch screen control panel
- ✦ Big open tank, easy to clean
- ✦ Data storage facility with USB functioning (2000 cycles)
- ✦ Steam generator cleaning program to increase the efficiency of the autoclave
- ✦ Chamber size: 250 mm x 450 mm
- ✦ 9 nos. error codes for self diagnosis
- ✦ Inbuilt USB & printer port with micro printer (optional)
- ✦ Product Size: 594X468X453mm
- ✦ Net Weight: 50Kg
- ✦ Voltage: 230 V 50/60Hz
- ✦ Power: 1800W
- ✦ Water tank capacity: 4.5Ltr.
- ✦ One cycle water consumption: 600ml



CE / EC EN ISO 13485:2016

Work Mode Chart

Cycle Mode	Ster. Temp (degree)	Ster. Press (Kpa)	Ster. Time (Min)	Drying Time (Min)	Complete Time (min)
Unwrapped Cycle	134	210	4	10	35
Universal B Cycle	134	210	6	15	50
Rubber & Plastic unwrapped cycle	121	110	16	10	45
Rubber & Plastic wrapped cycle	121	110	20	15	60
18 min B cycle (Prion)	134	210	18	15	60
Ster. Result Testing Cycle (B&D Test)	-	-	-	-	30
Vaccum Leackage Testing Cycle	-	-	-	-	20

23 Ltr Touch Screen B-Type front loading Fully automatic with USB RECORDER



USB Record Read



Six Layer Pot Body Structure



Heat Dissipation Structure



Double Door Lock Protection

RAPICLAVE 5L B CLASS AUTOCLAVE

Compact Power. Complete Protection

Rapid Sterilization

The whole process of the unwrapped sterilization cycle only takes 10 minutes; Instant sterilization, suitable for continuous surgeries, improve clinical work efficiency; Meet emergency sterilization needs & solve instant infection control problems; Speed up the use of instrument turnover & reduce the investment of surgical instruments.

Touch Button



- ✦ The LCD displays the data of the sterilization process with a curve, which is clear at a glance.
- ✦ Customers can customize the language, date & time.
- ✦ Omron keys with service: Life of tens of thousands of times

Multiple Program Options

- ✦ 8 sterilization programs for free options
- ✦ Precise temperature control
- ✦ No harms to instruments
- ✦ Extend instrument service life & reduce costs

Work Mode Chart

Sterilization Program	Sterilization Temp (degree)	Sterilization Time (min)
Class S Fast	134	10
Class S Standard	134	15
Class B Fast	134	12
Class B Standard	134	22
Class S Fast	121	25
Class S Standard	121	30
Class B Fast	121	26
Class B Standard	121	37

Born for sterilization of implant



Sterilize in as rapid as 10 minutes



3 Pulses Vacuum



Small Volume but large capacity

Item	Specification
Size	500 X 310 X 320
Chamber Size (mm)	192 X 96 X 300
Chamber Volume (L)	5L
Chamber Type	B
Rated Voltage	AC220v/50Hz
Input Power (VA)	1800VA
Initial Default Pressure	-0.1/0.3Mpa
Initial Default Temperature	140°C
Water Tank Volume (L)	1L
Water consumption for one sterilization (ml)	200mL
Minimum Water Supply	250mL
Ambient Temperature (°C)	+5°C-40°C
Relative Humidity Range	≤85%
NW	26Kg
GW	30 Kg
Residual humidity after drying of the device ≤0.2%	
Residual humidity after drying of the dressing ≤1%	
The highest vacuum ≤-0.92Kpa	

WATER DISTILLER

The water distiller is the best in its class. This distiller completes one litre of pure steam-distilled water in 1 hour. The boil chamber and condensing coils are high-grade 304 Stainless Steel. It comes with a high-quality plastic collection bottle, the lid and handle are made of food-grade polypropylene, and the lid is removable for convenience. Distilling your own water can't get any easier, simply fill the boiling chamber, press the start button, and walk away, the distiller will automatically shut off at the end of the cycle. It's very easy and convenient.



CE / EC EN ISO 13485:2016

- ✦ Easy to use, produces pure steam distilled water
- ✦ Lightweight compact design, great for home and for medical use
- ✦ Eliminates plastic bottles from the store & saves you money
- ✦ Capacity - 4 Litres
- ✦ High-quality collection bottle for the purest water




WHERE **TRUST** COMES **FIRST**



**Warranty Ke Saath Bhi
Warranty Ke Baad Bhi**

For any Sales & Support

 9821184441, 8448398852

 sales@unicorndenmart.com

Customer Care

Register Your Complaint with A Missed Call: **7065-558-558**

 011-45551250, 51, 55  97170-12081, 95994 -48518

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* Accessories shown may not be a part of standard equipment. Specifications are subject to change without notice.

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