

# The innovative MELAG washer-disinfectors

MELAtherm® 10 / MELAtherm® 10 Evolution



# The MELAG washer-disinfectors

## For an optimised workflow in practice and clinic.

Cutting-edge technology for an enhanced workflow: Cleaning and disinfection with a MELAG washer-disinfector is the most efficient way to ensure reliable instrument decontamination. Benefit from the advantages and protect your patients and team:



### Efficiency:

Reducing your workload and saving time and money



### Cleanliness:

Improving cleanliness by minimising staff contact with instruments



## MELAtherm® 10

The product highlights at no extra cost:

- ✓ Active drying
- ✓ Drawer with integrated metering module and process agents
- ✓ Integrated documentation interfaces
- ✓ Practice-optimised washing chamber



**Legal compliance:**

Logging of the decontamination process ensures reproducibility



**Process optimisation:**

Immediate availability of non-surgical instruments after automatic cleaning and disinfection\*

## MELAtherm® 10 Evolution

Provides additional innovations:

- + Large Smart-Touch Display with video tutorials
- + ProControl batch approval
- + AquaBoost Technology



\*Please comply with your national standards.

# The MELAtherm® 10 product highlights

## These advantages are notable.

Our goal is to provide the highest level of efficiency in instrument decontamination. To this end, 180 engineers in the R&D department work at our Berlin headquarters to develop innovative solutions setting benchmarking standards in infection control. Take advantage of the MELAG washer-disinfectors with the notable product highlights:

### Active drying



Instruments must be dry, regardless of whether they are re-used immediately after reprocessing in the washer-disinfector or whether they are wrapped and sterilised. **The active drying promotes ideal workflows, whilst protecting your instruments against recontamination, corrosion and damage.**

Only a few washer-disinfectors on the market have the active drying technology, which is necessary to achieve these results. Fitted with **active drying**, MELAtherm® 10 ensures optimal drying results at **no extra cost**.

### Integrated metering module and process agents



The process agents and the metering module are integrated in the media drawer. The innovative MELAG concept **saves space, facilitates ergonomic work and helps to avoid errors.**

The metering module of MELAtherm® 10 permits automatic and accurate dosing of the process agents. The MELAtherm® process agents are especially aligned to the requirements of MELAG washer-disinfectors, thereby ensuring an optimal cleaning outcome with minimum consumption.

## Practice-optimised washing chamber



The optimised chamber concept of MELAtherm® 10 allows for **economical and ecological instrument decontamination in record time**. Instruments are cleaned, disinfected and dried in only approx. 60 minutes (Variante DTA). This top-level performance comes with **minimum consumption costs of only about \$1.63 AUD\* cycle**. Operating larger washer-disinfectors with an insufficient loading wastes energy and water and places an unnecessary burden on the environment.

Benefit from over **80 baskets and accessories** to adjust the configuration of the practice-optimised washing chamber to match your reprocessing needs - regardless of the size and specialisation of your practice or clinic.

## Documentation interfaces



MELAG washer-disinfectors monitor all the relevant process parameters to ensure the highest-possible level of certainty. The generated logs **provide legal certainty and can be saved via CF card or two network interfaces**.

The batch approval **ProControl** of MELAtherm® 10 Evolution makes your life even easier: Use **ProControl** to perform a paperless documentation and approval of the cleaning and disinfection process directly on the device **at no extra cost**.



# MELAtherm® 10

## High quality and innovative features.

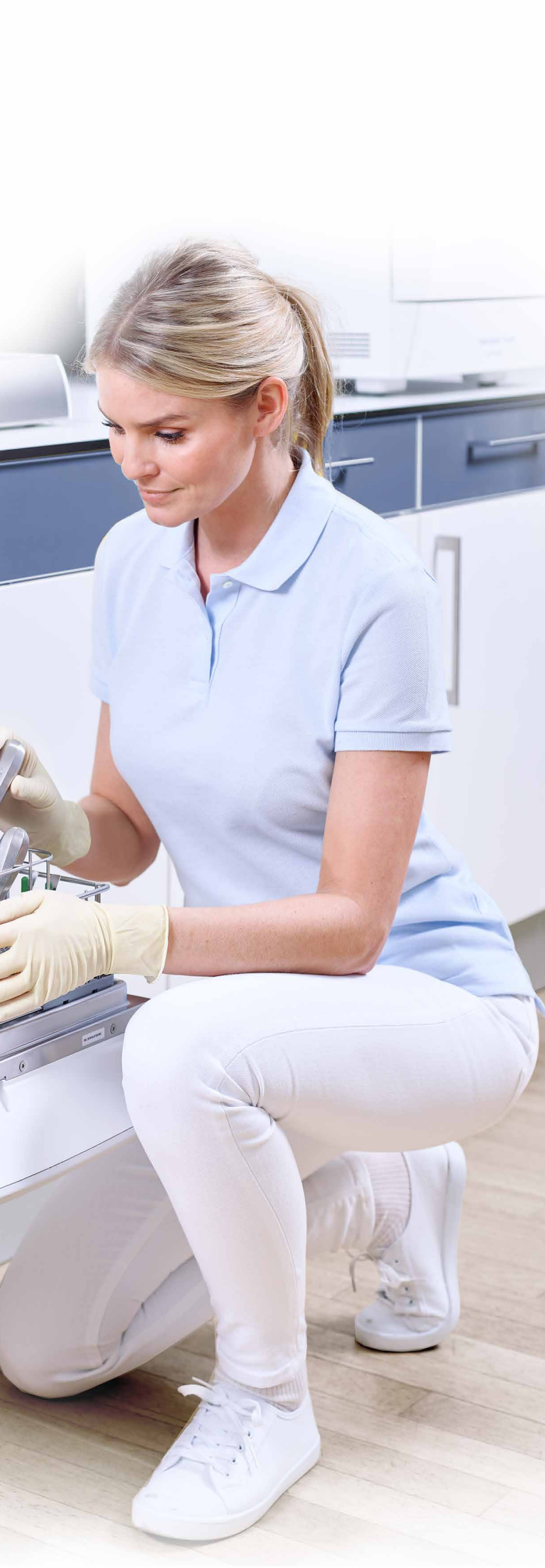
MELAtherm® 10 is the solution for fast and above all, cost-effective instrument decontamination. Over 15,000 practices and clinics throughout the world\* rely on the innovative device concept - join them and take your workflow to a whole new level.

With its **practice-optimised washing chamber** and a wide range of accessories, MELAtherm® 10 permits the cleaning and disinfection of very large quantities of instruments. The subsequent **active drying** ensures hand-warm and dry instruments reprocessed within only approx. 60 minutes (Variante DTA).

All the necessary components required for efficient decontamination procedures are integrated in the washer-disinfector in a space-saving way: The **dosing of process agents** and the **documentation of process parameters** are performed automatically by MELAtherm® 10. This saves valuable time and allows your staff to take on other duties in practice and clinic.



\*Melag unit sales



## Active drying:

Active exterior and interior drying protects the instruments against corrosion and damage.



## Integrated process agents:

Integration of metering module and process agents creates extra space, makes working easier and helps to avoid errors.



## Practice-optimised washing chamber:

The combination of an innovative chamber concept with a versatile range of baskets helps to save time and money.



## Documentation interfaces:

An integrated CF card slot and two network interfaces require no extra costs for documentation.





# MELAtherm® 10 Evolution

## Impressive performance and intuitive operation.

The MELAG washer-disinfector of the Evolution Series convinces with new innovations in addition to the proven product highlights of MELAtherm® 10. MELAtherm® 10 Evolution provides optimal performance and ease of use for an even more efficient instrument decontamination workflow.

MELAtherm® 10 Evolution sets new standards in operation: Its large **Smart-Touch Display** with helpful video tutorials facilitates intuitive operation. You retain full control even during the program cycle. Finally, take advantage of **ProControl** to perform a fast and paperless batch approval directly on the Smart-Touch Display.

The new **AquaBoost Technology** ensures optimal cleaning outcomes: AquaBoost achieves double rinsing pressure and up to 44 % better cleaning results\* at the same water consumption as MELAtherm® 10. The increased pressure permits the decontamination of even more instruments. The cleaning, disinfection and drying of 23 handpieces and instruments for up to 40 patients in only approx. 60 minutes (Variante DTA) is possible with MELAtherm® 10 Evolution.

\*compared to MELAtherm 10





## Smart-Touch:

Operation and program selection are as easy as never before using the large Smart-Touch Display. Integrated video tutorials covering all relevant issues guarantee a self-explanatory operating concept.



## ProControl:

Performing user authentication and batch approval directly on the device saves time and provides legal certainty.



## AquaBoost:

The new high-performance circulation pump ensures a better cleaning outcome and greater capacities: Decontaminate up to 23 handpieces and turbines per cycle!



# Baskets and adapters for all specialties

## Perfection in the finest detail.

The practice-optimised washing chamber of MELAG washer-disinfectors guarantees short operating times, ergonomic work, low consumption of process agents and optimal cleaning outcomes.

Benefit from over 80 baskets and adapters to adjust the configuration of the practice-optimised washing chamber to match your needs - regardless of the size and specialisation of your practice or clinic. The stackable Flex-baskets and the MELAstore® system represent the best solutions for the decontamination of large quantities of instruments.

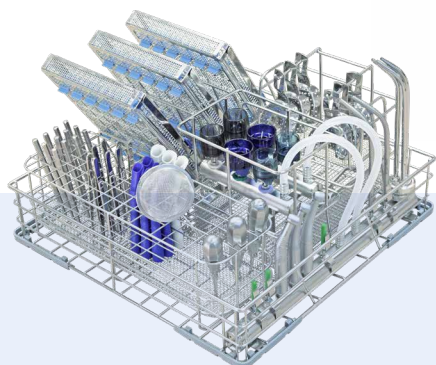
### Cleanfinity Filter

The protection of hollow body instruments with narrow lumen requires reliable fine filtration of the water. The cleanable central filter and the innovative control indicator of the injector rail allow optimal cleanliness and efficiency. If the control pin is not triggered, the filter can be cleaned quickly by using the brush included in the scope of delivery.



## Discover our loading configurations:

The preselected loading concepts provide orientation for efficient instrument decontamination in your dental or medical field. For an individual configuration, please get in touch with your local Melag distributor or BioMedex territory manager for more information.



### Dental clinic

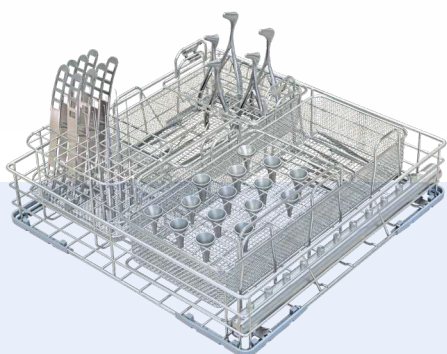
Instruments for over 40 patients and up to 33 hollow body instruments can be decontaminated in a single cycle in record time. The injector basket Flex 1 represents the safest solution for the decontamination of ultrasonic scaler tips.



### Gynaecological clinic

Up to 32 specula are available for patient treatment after cleaning, disinfection and drying. The Flex basket 6 provides additional space for further instruments.





## ENT clinic

192 ear specula and many other instruments can be cleaned, disinfected and dried in only approx. 60 minutes (Variante DTA). Take advantage of our versatile range of accessories for ENT practices and clinics.






## Medical clinic

With a range of stackable Flex baskets, hose connections and adapters for up to 33 hollow body instruments, MELatherm® 10 perfectly fits the needs of surgical, orthopaedic and urological, dermatological and general practices and clinics.

# The MELAstore® system

## Re-defining decontamination workflows.

Are you aiming at improving your workflow even further? Enhance the efficiency and quality of your instrument decontamination process with MELAstore®. Available in various sizes, MELAG wash trays and sterilisation containers are perfectly aligned to MELAG washer-disinfectors and autoclaves. Benefit from the unique advantages of MELAstore®-Trays and MELAstore®-Boxes:

-  **Saving time:**  
Save up to 30 minutes per decontamination cycle compared to the individual packaging of instruments
-  **Environmental protection:**  
Reduce material costs and practice waste through lower consumption of transparent sterilisation packaging
-  **Process optimisation:**  
Increase the degree of standardisation and quality management





# Decontamination process using MELAstore®



## Instrument protection:

Fixing of instruments through  
silicone bars to protect your instruments  
and personnel.



Cleaning and disinfection of MELAstore®-Trays with  
MELAG washer-disinfectors



Packaging with MELAstore®-Boxes



Sterilisation with MELAG autoclaves



Documentation and approval with MELAtrace®



Labelling with MELAprint® 60



# Accessories

## Aligned solutions for the MELAtherm® 10 Series.

The optional accessories ensure even greater efficiency and reliability in instrument decontamination. Choose from **MEtherm**® process agents, our MELAdem® 53 water treatment unit, the MELAtrace® documentation and approval software, the MELAstore® wash trays and sterilisation containers as well as a floor unit to customise and improve your workflow as you need it.



### MELAdem® 53

The water treatment unit performs the final rinse with demineralised water, thereby ensuring the protection and care of your instruments. The high-performance MELAdem® 53 even permits the connection of additional



### MELAstore®

For increased efficiency and quality in instrument decontamination: The high degree of standardisation achieved by MELAstore®-Trays and MELAstore®-Boxes not only reduces waste,



### MELAtrace®

This user-friendly software solution ensures the paperless documentation, approval and traceability of the entire



### MELAG floor unit

It is possible to upgrade the MELAtherm® 10 with the ergonomically designed MELAG floor unit to facilitate loading and unloading for a higher level of convenience. It also provides





# Technical data

## Figures and facts at a glance.

MELAG washer-disinfectors are available in the versions 400 Volt (three-phase current, DTA) and 230 Volt (alternating current, DTB). If the installation location permits connection to a 400 Volt supply, we recommend the DTA version due to its significantly shorter operating times.

Programs	MELAtherm® 10		MELAtherm® 10 Evolution	
	DTA / 400 V*	DTB / 230 V*	DTA / 400 V*	DTB / 230 V*
Quick-Program	36 min	53 min	37 min	57 min
Universal-Program	40 min	59 min	42 min	63 min
Intensive-Program	51 min	64 min	54 min	67 min
Ophthalmic-Program	42 min	59 min	43 min	63 min

\* All programs plus active drying, which the user can interrupt at any time.

	MELAtherm® 10	MELAtherm® 10 Evolution
Device dimensions (W × H × D)	59.8 × 81.8 (83.6**) × 67.8 cm fits under a 60 cm worktop	
Device dimensions (W × H × D) with floor unit	59.8 × 124 × 67.8 cm	
Washing chamber (W × H × D)	46.5 × 40.5 × 44.8 cm	
Weight	80 kg (86 kg**)	
Weight with floor unit	106 kg	
Electrical connection DTA	3 N AC 400 V, 50 Hz, 3 × 16 A	
Power input DTA	9,3 kW	10,2 kW
Electrical connection DTB	AC 220 –240 V, 50 Hz, 1 × 16 A	
Power input DTB	3,3 kW	3,3 kW
Dimensions MELAdem® 53 / 53 C	Ø 24 × 57 cm (61.5 cm inc. connecting bend) / Ø 24 × 44.3 cm (48.8 cm)	

\*\* with cover plate

## System solutions, innovation and quality

MELAG was founded in 1951 and is an owner-operated family company, that specialises in products aiming at optimised practice hygiene. The manufacturing and production sites are exclusively located in Germany on a 22,000 m² premises with 450 employees working diligently to maintain MELAG's world leading role in instrument decontamination.

